



H & A OF NEW YORK ENGINEERING
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TECHNICAL MEMORANDUM

February 19, 2026
File No. 0213836

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

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

ATTENTION: Rafi Alam, Project Manager, NYSDEC
Anna Bachmann, Project Manager, USEPA

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

SUBJECT: Soil Reuse Findings Report Addendum
Former Port Mobil Terminal (243016)

On August 7, 2025, the Soil Reuse Characterization Plan for Site-Wide Remedy, dated July 21, 2025, and prepared by H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York), was approved by the New York State Department of Environmental Conservation (NYSDEC) and the United States Environmental Protection Agency (USEPA) for the sampling of overburden soil within the proposed in-situ solidification (ISS) and permeable reactive barrier (PRB) wall areas at the Former Port Mobil Terminal (also known as Kinder Morgan Staten Island [KM]) located at 4101 Arthur Kill Road in Staten Island, New York (the "Site"). A Project Locus is included as Figure 1, and a Site Map is included as Figure 2. This overburden soil material is proposed for on-Site reuse to support the future development and Site-wide remediation.

Sampling was conducted in accordance with the procedures described in NYSDEC Division of Environmental Remediation (DER)-10 Table 5.4(e) to meet the applicable NYSDEC Part 375 Commercial

Use Soil Cleanup Objectives (CUSCOs) and the NYSDEC “Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)” Guidance Values. This includes a sampling frequency of one sample for every 1,000 cubic yards of material as indicated in NYSDEC DER-10 Table 5.4 (e). Sampling was also conducted in accordance with the Soil Reuse Characterization Workplan dated July 21, 2025, and approved by NYSDEC and USEPA on August 7, 2025, included as Attachment A.

Sampling Methodology

On December 6, 2024, the draft Alternatives Analysis (AA) / Remedial Action Work Plan (RAWP) prepared by Haley & Aldrich of New York was submitted to the NYSDEC and USEPA. A revised draft was submitted on May 1, 2025, and a second revised draft was submitted on January 30, 2026. These documents outlined the proposed remedial action for the Site, which includes ISS and a PRB wall as recommended remedial technologies. To prepare for and support future remedial and development work, Haley & Aldrich of New York proposed to conduct soil sampling activities within the proposed ISS and PRB wall areas to evaluate whether the overburden in the ISS areas and across the extent of the PRB wall can be reused to support future development and Site-wide remediation.

The Site, which is a former Major Oil Storage Facility (MOSF), contained former aboveground storage tanks (ASTs) within the proposed area of redevelopment. The ASTs are surrounded by berms, which were designed to contain potential releases when the ASTs were in use and to mitigate stormwater runoff. As many of the proposed ISS areas are in/beneath the areas of existing berms, the sampling and characterization of berm material were conducted separately in accordance with the Berm Sampling Work Plan, dated December 2024, and its Addendum, dated July 2025, both prepared by Haley & Aldrich of New York. Soil sampling of the berms above the ISS areas is included in the Berm Sampling for On-Site Reuse Summary Memos dated May 15, 2025, and November 12, 2025.

Reuse sampling of the overburden material in the PRB wall area was conducted from August 25 through August 29, 2025, and results are documented in the Soil Reuse Findings Report submitted to the NYSDEC and USEPA on November 14, 2025. ISS overburden soil sampling was conducted from October 7 through October 10, 2025, with the exception of grid areas ISS-21, ISS-22, ISS-23, and ISS-24 which were at the time inaccessible due to ongoing ISS pilot study work. These results are also documented in the Soil Reuse Findings Report submitted to the NYSDEC and USEPA on November 14, 2025.

This Soil Reuse Findings Report Addendum includes the sampling of ISS overburden areas ISS-21, ISS-22, ISS-23, and ISS-24 conducted on January 22, 2026.

ISS Overburden Soil Sampling

The ISS overburden soil sampling was conducted in the AST-12 light non-aqueous phase liquid (LNAPL) area proposed for ISS treatment on Site, specifically soil in grids ISS-21, ISS-22, ISS-23, and ISS-24 which were previously inaccessible due to ongoing ISS pilot study work. The soil from these grids from 0 to 4 feet below ground surface (ft bgs) was stockpiled to facilitate implementation of ISS in the AST-12 area. Stockpiles were managed in accordance with the Site Soil Management Plan (SSMP) included in

Appendix I of the ISS Interim Status Report submitted to the NYSDEC and USEPA on January 27, 2026. Stockpile locations are shown on Figure 3.

Stockpiles were divided into four grid areas and one composite sample, and three to four discrete samples were collected at each grid. Sample locations are shown on Figure 3. A total of four composite samples and 14 discrete samples were collected to characterize the top 4 ft of overburden soils from grid areas ISS-21, ISS-22, ISS-23, and ISS-24 in the AST-12 area.

Composite soil samples were analyzed for the following parameters:

- TCL SVOCs;
- TAL total metals;
- PCBs;
- Pesticides; and
- PFAS.

Discrete soil samples were analyzed for TCL VOCs.

Soil boring logs are not included since the material sampled was from stockpiles. Soil was screened for visual and olfactory evidence using a photoionization detector (PID) and PID readings were 0.0 parts per million (ppm).

Results Summary

In accordance with the Soil Reuse Characterization Plan, results were compared to the applicable NYSDEC Part 375 CUSCOs and the April 2023 NYSDEC "Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)" Guidance Values.

There are no exceedances of the CUSCOs and PFAS Guidance Values in the reuse samples collected from grid areas ISS-21, ISS-22, ISS-23, and ISS-24 from 0 to 4 ft bgs.

Analytical results are included in Table 1. Analytical laboratory reports are included in Attachment B. Data usability summary reports (DUSRs) are included in Attachment C.

Conclusion

The analytical results from the overburden soil in the ISS areas including the area of ISS-21 through ISS-24 do not exceed CUSCOs or PFAS Guidance Values. As such, Haley & Aldrich of New York is requesting that all sampled material be approved for reuse to support the Site-wide remediation and future redevelopment of the Site.

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

Sincerely yours,

H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP



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



Suzanne M. Bell, P.E.
Senior Associate

Attachments:

Figure 1 – Project Locus

Figure 2 – Site Plan

Figure 3 – AST-12 Overburden Soil Sampling Location Map

Figure 4 – ISS-21 through ISS-24 Overburden Soil Sample Location Map

Table 1 – Summary of Soil Quality Data – ISS Overburden – Grids ISS-21 through ISS-24

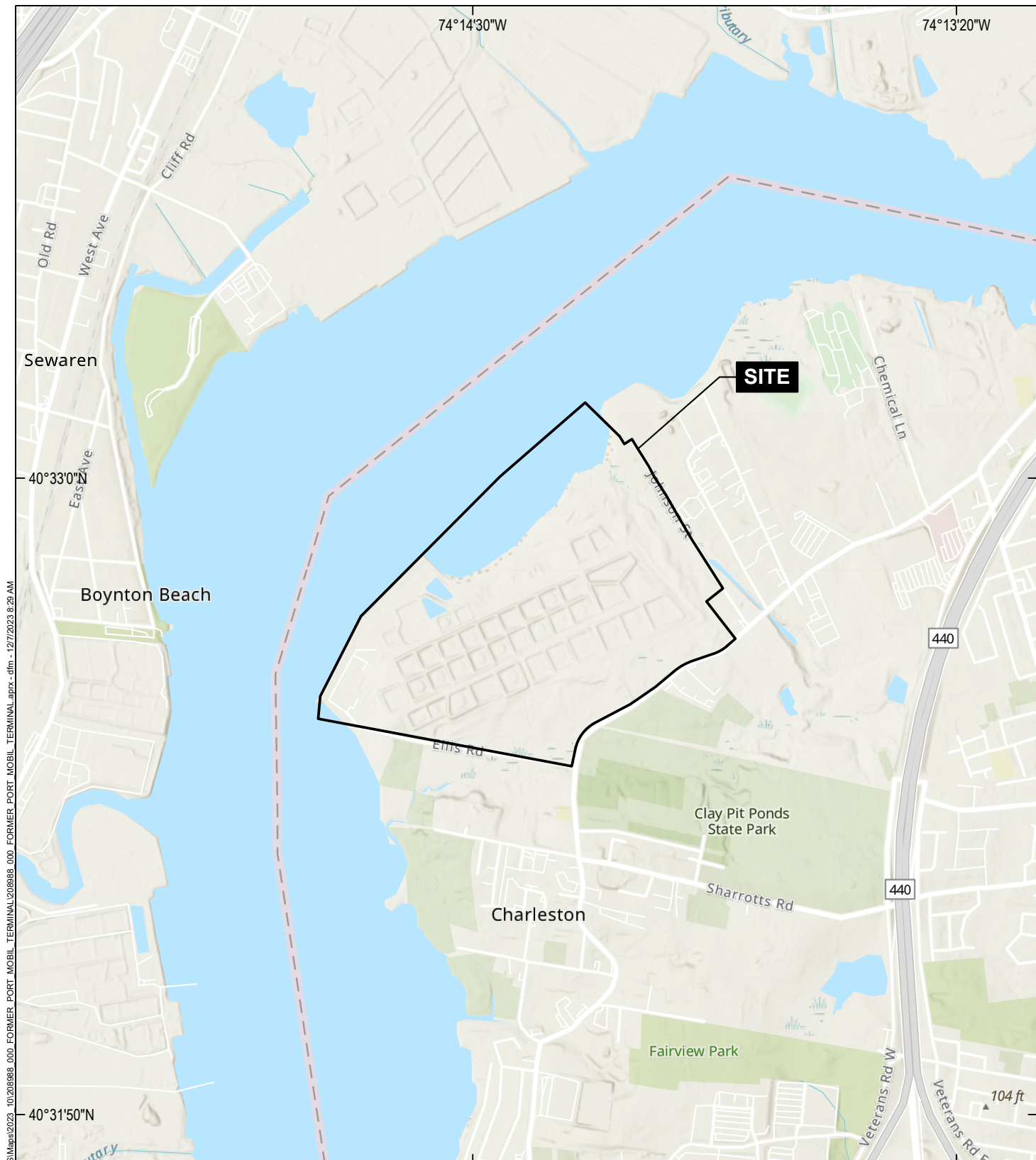
Attachment A - Soil Reuse Characterization Plan for Site-Wide Remedy

Attachment B - Analytical Laboratory Reports

Attachment C – Data Usability Summary Reports

https://haleyaldrich.sharepoint.com/sites/NorthPointDevelopment/Shared Documents/0208988.FORMER PORT MOBIL TERMINAL/Deliverables/34. Soil Reuse Findings Report/Soil Reuse Findings Report Addendum/2026-0219_HANY_Port Mobil_Soil Reuse Findings Report Addendum-F.docx

FIGURES



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



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

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FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
FEBRUARY 2026

FIGURE 1

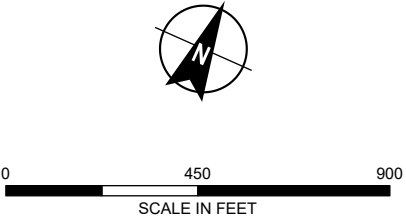
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LEGEND

- | | | | |
|-------|---------------------|---|-----------------------|
| ----- | CONTAINMENT BERM | ■ | OU-2 AREA |
| □ | STRUCTURES | ■ | OU-2 TIDAL FLAT AREA |
| ■ | SURFACE IMPOUNDMENT | ■ | PROJECT SITE BOUNDARY |
| ■ | OU-2 WETLAND AREA | | |

- NOTES**
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. ALL AREAS WITHIN THE SITE BOUNDARY, EXCLUDING THE OU-2 WETLAND AND TIDAL FLAT AREAS, ARE CONSIDERED PART OF OU-1.
 3. WETLAND BOUNDARY INCLUDES THE 100-FT WETLAND BUFFER AND TIDAL FLAT AREA BOUNDARY INCLUDES THE 150-FT TIDAL BUFFER.
 4. # = TANK NUMBERS REPRESENT FORMER TANK LOCATIONS.
 5. AERIAL IMAGERY SOURCE: NEARMAP, OCTOBER 4, 2025



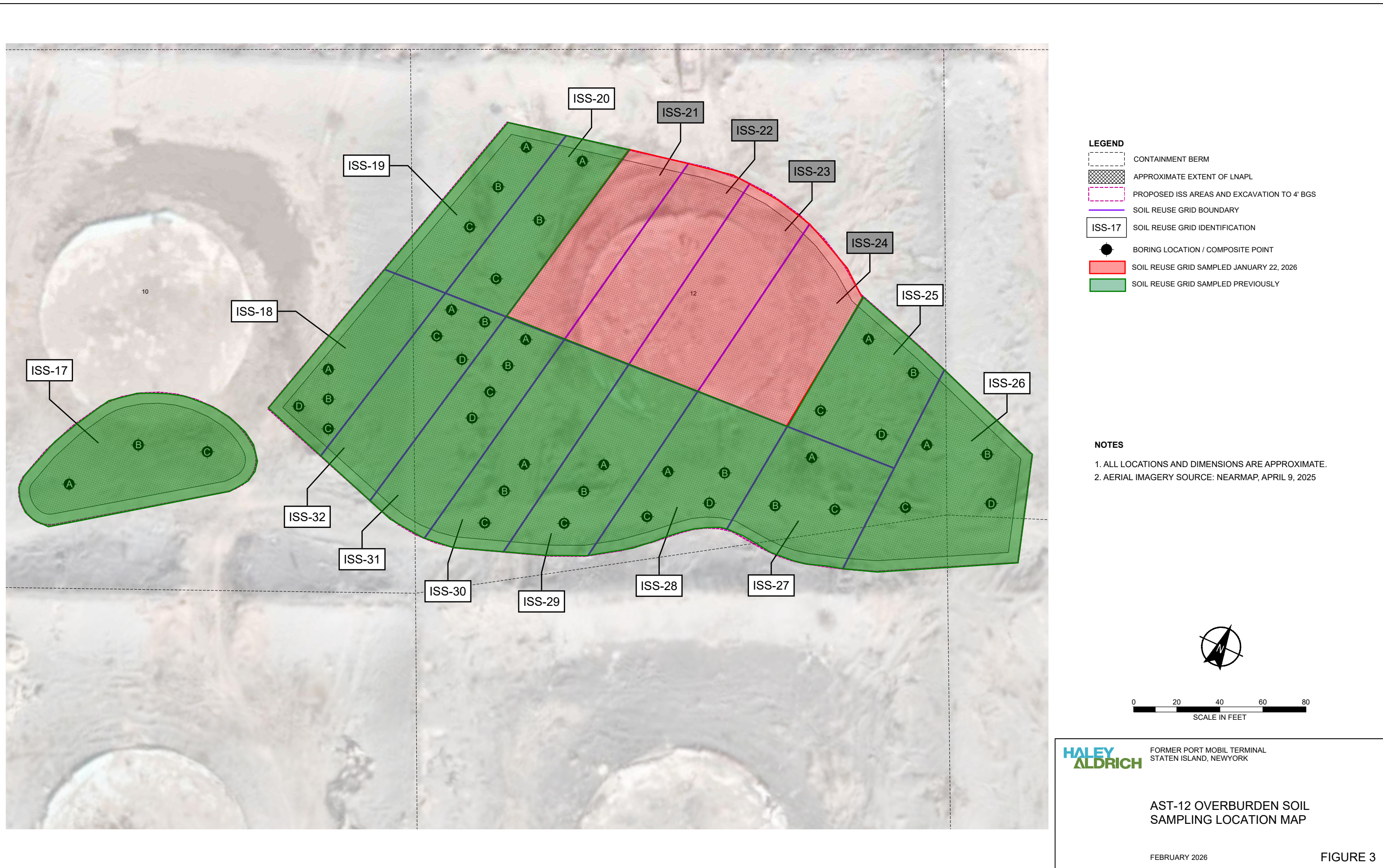
**HALEY
ALDRICH**

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

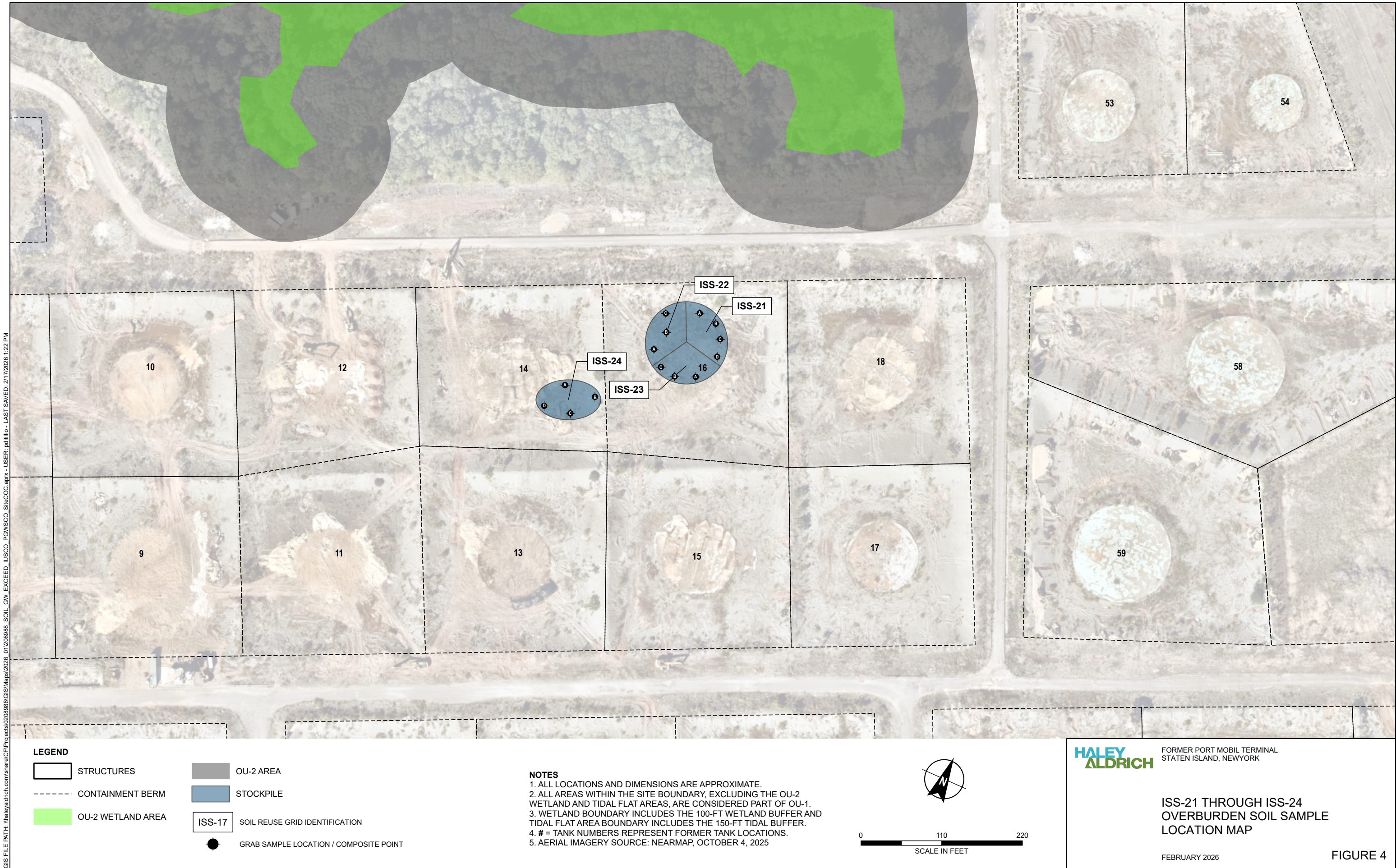
SITE PLAN

FEBRUARY 2026

FIGURE 2



GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\02080808\GIS\Maps\2026_01\2080808_Soil_GW_EXCEED_IUSCO_POWSCO_SiteCOC.aprx - USER: ptillio - LAST SAVED: 2/17/2026 1:22 PM



TABLE

TABLE I
SUMMARY OF SOIL QUALITY DATA - ISS OVERBURDEN - GRDIS ISS-21 THROUGH ISS-24
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

		Criteria	ISS-21	ISS-21A	ISS-21B	ISS-21C	ISS-21D	ISS-22	ISS-22A	ISS-22B	ISS-22C	ISS-23	ISS-23A	ISS-23B	ISS-23C	ISS-24	ISS-24A	ISS-24B	ISS-24C	ISS-24D
Location Name	NY Part 375		ISS-21	ISS-21A	ISS-21B	ISS-21C	ISS-21D	ISS-22	ISS-22A	ISS-22B	ISS-22C	ISS-23	ISS-23A	ISS-23B	ISS-23C	ISS-24	ISS-24A	ISS-24B	ISS-24C	ISS-24D
Sample Name	Commercial		ISS-21_0-4	ISS-21A	ISS-21B	ISS-21C	ISS-21D	ISS-22_0-4	ISS-22A	ISS-22B	ISS-22C	ISS-23_0-4	ISS-23A	ISS-23B	ISS-23C	ISS-24_0-4	ISS-24A	ISS-24B	ISS-24C	ISS-24D
Sample Date	Use		01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026
Lab Sample ID	Soil Cleanup		460-343761-1	460-343760-1	460-343760-2	460-343760-3	460-343760-4	460-343761-2	460-343760-5	460-343760-6	460-343760-7	460-343761-3	460-343760-8	460-343760-9	460-343760-10	460-343761-4	460-343760-11	460-343760-12	460-343760-13	460-343760-14
Sample Depth (bgs)	Objectives		0 - 4 (ft)	-	-	-	-	0 - 4 (ft)	-	-	-	0 - 4 (ft)	-	-	-	0 - 4 (ft)	-	-	-	-
Volatile Organic Compounds (mg/kg)																				
1,1,1-Trichloroethane	500	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,1,2,2-Tetrachloroethane	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,1,2-Trichloroethane	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,1-Dichloroethane	240	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,1-Dichloroethene	5.1	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,2,3-Trichlorobenzene	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,2,4-Trichlorobenzene	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,2,4-Trimethylbenzene	500	-	79	3.6	0.96	9.4	-	51	2.3	110	-	0.95	0.3	2.2	-	2.7	5.8	4.9	0.87	
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,2-Dichlorobenzene	500	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,2-Dichloroethane	30	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,2-Dichloropropane	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,3,5-Trimethylbenzene	500	-	24	1.1	0.21	3.1	-	16	0.89	31	-	0.15	0.12	0.72	-	0.97	3	2	0.86	
1,3-Dichlorobenzene	280	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
1,4-Dichlorobenzene	130	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
2-Butanone (Methyl Ethyl Ketone)	500	-	ND (1.2)	ND (0.57)	ND (0.57)	ND (0.74)	ND (0.68)	-	ND (0.65)	ND (0.47)	ND (1.5)	-	ND (0.43)	ND (0.55)	ND (0.52)	-	ND (0.65)	ND (1.5)	ND (0.56)	ND (0.48)
2-Hexanone (Methyl Butyl Ketone)	NA	-	ND (1.2)	ND (0.57) J	ND (0.57) J	ND (0.74) J	ND (0.68) J	-	ND (0.65)	ND (0.47) J	ND (1.5)	-	ND (0.43) J	ND (0.55) J	ND (0.52) J	-	ND (0.65) J	ND (1.5) J	ND (0.56) J	ND (0.48) J
2-Phenylbutane (sec-Butylbenzene)	500	-	3.3	0.12	ND (0.15)	1.8	-	1.2	1.3	2.9	-	1.7	1.5	3.3	-	0.36	0.42	0.22	0.26	
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	ND (1.2)	ND (0.57)	ND (0.57)	ND (0.74)	0.55 J	-	ND (0.65)	ND (0.47)	ND (1.5)	-	ND (0.43)	ND (0.55)	ND (0.52)	-	ND (0.65)	ND (1.5)	ND (0.56)	ND (0.48)
Acetone	500	-	ND (1.2)	ND (0.57)	ND (0.57)	ND (0.74)	ND (0.68)	-	ND (0.65)	ND (0.47)	ND (1.5)	-	ND (0.43)	ND (0.55)	ND (0.52)	-	ND (0.65)	ND (1.5)	ND (0.56)	ND (0.48)
Benzene	20	-	2.1	0.026 J	ND (0.15)	0.039 J	-	0.08 J	ND (0.094)	0.098 J	-	ND (0.086)	ND (0.11)	0.47	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)	
Bromodichloromethane	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Bromoform	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Bromomethane (Methyl Bromide)	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Carbon disulfide	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Carbon tetrachloride	41	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Chlorobenzene	500	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Chlorobromomethane	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Chloroethane	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Chloroform (Trichloromethane)	180	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Chloromethane (Methyl Chloride)	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
cis-1,2-Dichloroethene	500	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
cis-1,3-Dichloropropene	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Cyclohexane	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	0.53	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Dibromochloromethane	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Dichlorodifluoromethane (CFC-12)	NA	-	ND (0.25)	ND (0.11)	ND (0.11)	ND (0.15)	ND (0.14)	-	ND (0.13)	ND (0.094)	ND (0.3)	-	ND (0.086)	ND (0.11)	ND (0.1)	-	ND (0.13)	ND (0.3)	ND (0.11)	ND (0.096)
Ethylbenzene	390	-	25	0.27	ND (0.15)	2.9	-	6.4	0.56	12	-	0.17	0.038 J	1.5	-	0.43	1.1	0.31	0.07 J	
Isopropylbenzene (Cumene)	NA	-	3.7	0.092 J	ND (0.1															

TABLE I
SUMMARY OF SOIL QUALITY DATA - ISS OVERBURDEN - GRDIS ISS-21 THROUGH ISS-24
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Criteria																		
Location Name	NY Part 375	ISS-21	ISS-21A	ISS-21B	ISS-21C	ISS-21D	ISS-22	ISS-22A	ISS-22B	ISS-22C	ISS-23	ISS-23A	ISS-23B	ISS-23C	ISS-24	ISS-24A	ISS-24B	ISS-24C	ISS-24D
Sample Name	Commercial	ISS-21_0-4	ISS-21A	ISS-21B	ISS-21C	ISS-21D	ISS-22_0-4	ISS-22A	ISS-22B	ISS-22C	ISS-23_0-4	ISS-23A	ISS-23B	ISS-23C	ISS-24_0-4	ISS-24A	ISS-24B	ISS-24C	ISS-24D
Sample Date	Use	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026
Lab Sample ID	Soil Cleanup	460-343761-1	460-343760-1	460-343760-2	460-343760-3	460-343760-4	460-343761-2	460-343760-5	460-343760-6	460-343760-7	460-343761-3	460-343760-8	460-343760-9	460-343760-10	460-343761-4	460-343760-11	460-343760-12	460-343760-13	460-343760-14
Sample Depth (bgs)	Objectives	0 - 4 (ft)	-	-	-	-	0 - 4 (ft)	-	-	-	0 - 4 (ft)	-	-	-	0 - 4 (ft)	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
1,4-Dioxane	36	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	-	-	-	-	ND (0.15)	-	-	-	ND (0.14)	-	-	-	ND (0.14)	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	-	-	-	-	ND (0.15)	-	-	-	ND (0.14)	-	-	-	ND (0.14)	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.3)	-	-	-	-	ND (0.29)	-	-	-	ND (0.29)	-	-	-	ND (0.28)	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.077)	-	-	-	-	ND (0.073)	-	-	-	ND (0.073)	-	-	-	ND (0.072)	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.077)	-	-	-	-	ND (0.073)	-	-	-	ND (0.073)	-	-	-	ND (0.072)	-	-	-	-
2-Chloronaphthalene	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
2-Chlorophenol	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
2-Methylnaphthalene	NA	0.8 J+	-	-	-	-	2.3 J+	-	-	-	5.7 J+	-	-	-	0.022 J+	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
2-Nitroaniline	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
2-Nitrophenol	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
3&4-Methylphenol	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	-	-	-	-	ND (0.15)	-	-	-	ND (0.14)	-	-	-	ND (0.14)	-	-	-	-
3-Nitroaniline	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.3)	-	-	-	-	ND (0.29)	-	-	-	ND (0.29)	-	-	-	ND (0.28)	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
4-Chloroaniline	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
4-Methylphenol (p-Cresol)	500	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
4-Nitroaniline	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
4-Nitrophenol	NA	ND (0.77)	-	-	-	-	ND (0.73)	-	-	-	ND (0.73)	-	-	-	ND (0.72)	-	-	-	-
Acenaphthene	500	0.033 J	-	-	-	-	0.066 J	-	-	-	0.21 J	-	-	-	0.017 J	-	-	-	-
Acenaphthylene	500	0.019 J	-	-	-	-	0.026 J	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Acetophenone	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Anthracene	500	0.017 J	-	-	-	-	0.026 J	-	-	-	0.089 J	-	-	-	ND (0.35)	-	-	-	-
Atrazine	NA	ND (0.15)	-	-	-	-	ND (0.15)	-	-	-	ND (0.14)	-	-	-	ND (0.14)	-	-	-	-
Benzaldehyde	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Benzo(a)anthracene	37	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
Benzo(a)pyrene	3.7	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
Benzo(b)fluoranthene	37	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
Benzo(g,h,i)perylene	47	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Benzo(k)fluoranthene	47	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
Biphenyl	NA	ND (0.38)	-	-	-	-	0.033 J	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Caprolactam	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Carbazole	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	0.016 J	-	-	-	ND (0.35)	-	-	-	-
Chrysene	47	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Dibenz(a,h)anthracene	3.7	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
Dibenzofuran	180	0.05 J	-	-	-	-	0.082 J	-	-	-	0.29 J	-	-	-	0.018 J	-	-	-	-
Diethyl phthalate	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Dimethyl phthalate	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Fluoranthene	500	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	0.023 J	-	-	-	ND (0.35)	-	-	-	-
Fluorene	500	0.1 J	-	-	-	-	0.15 J	-	-	-	0.54	-	-	-	0.037 J	-	-	-	-
Hexachlorobenzene	1.8	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
Hexachlorobutadiene	NA	ND (0.077)	-	-	-	-	ND (0.073)	-	-	-	ND (0.073)	-	-	-	ND (0.072)	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Hexachloroethane	NA	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
Indeno(1,2,3-cd)pyrene	37	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
Isophorone	NA	ND (0.15)	-	-	-	-	ND (0.15)	-	-	-	ND (0.14)	-	-	-	ND (0.14)	-	-	-	-
Naphthalene	500	0.2 J	-	-	-	-	0.7	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Nitrobenzene	8.9	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.038)	-	-	-	-	ND (0.036)	-	-	-	ND (0.036)	-	-	-	ND (0.035)	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Pentachlorophenol	6.9	ND (0.3)	-	-	-	-	ND (0.29)	-	-	-	ND (0.29)	-	-	-	ND (0.28)	-	-	-	-
Phenanthrene	47	0.21 J	-	-	-	-	0.35 J	-	-	-	1.2	-	-	-	0.078 J	-	-	-	-
Phenol	500	ND (0.38)	-	-	-	-	ND (0.36)	-	-	-	ND (0.36)	-	-	-	ND (0.35)	-	-	-	-
Pyrene	500	0.026 J	-	-	-	-	0.043 J	-	-	-	0.14 J	-	-	-	0.023 J	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - ISS OVERBURDEN - GRDIS ISS-21 THROUGH ISS-24
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Criteria																		
Location Name	NY Part 375	ISS-21	ISS-21A	ISS-21B	ISS-21C	ISS-21D	ISS-22	ISS-22A	ISS-22B	ISS-22C	ISS-23	ISS-23A	ISS-23B	ISS-23C	ISS-24	ISS-24A	ISS-24B	ISS-24C	ISS-24D
Sample Name	Commercial	ISS-21_0-4	ISS-21A	ISS-21B	ISS-21C	ISS-21D	ISS-22_0-4	ISS-22A	ISS-22B	ISS-22C	ISS-23_0-4	ISS-23A	ISS-23B	ISS-23C	ISS-24_0-4	ISS-24A	ISS-24B	ISS-24C	ISS-24D
Sample Date	Use	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026
Lab Sample ID	Soil Cleanup	460-343761-1	460-343760-1	460-343760-2	460-343760-3	460-343760-4	460-343761-2	460-343760-5	460-343760-6	460-343760-7	460-343761-3	460-343760-8	460-343760-9	460-343760-10	460-343761-4	460-343760-11	460-343760-12	460-343760-13	460-343760-14
Sample Depth (bgs)	Objectives	0 - 4 (ft)	-	-	-	-	0 - 4 (ft)	-	-	-	0 - 4 (ft)	-	-	-	0 - 4 (ft)	-	-	-	-
PFAS (mg/kg)																			
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11CI-PF3OUdS)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00099)	-	-	-	-	ND (0.001)	-	-	-	ND (0.00099)	-	-	-	ND (0.00097)	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00099)	-	-	-	-	ND (0.001)	-	-	-	ND (0.00099)	-	-	-	ND (0.00097)	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.0004)	-	-	-	-	ND (0.0004)	-	-	-	ND (0.00039)	-	-	-	ND (0.00039)	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.0004)	-	-	-	-	ND (0.0004)	-	-	-	ND (0.00039)	-	-	-	ND (0.00039) J	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.0004)	-	-	-	-	ND (0.0004)	-	-	-	ND (0.00039)	-	-	-	0.00052 J	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.0004)	-	-	-	-	0.00027 J	-	-	-	0.00023 J	-	-	-	0.00184 J	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9CI-PF3ONS)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00099)	-	-	-	-	ND (0.001 J	-	-	-	ND (0.00099)	-	-	-	ND (0.00097)	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00099)	-	-	-	-	ND (0.001 J	-	-	-	ND (0.00099)	-	-	-	ND (0.00097)	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	0.00011 J	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.0004)	-	-	-	-	ND (0.0004)	-	-	-	ND (0.00039)	-	-	-	0.00018 J	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	ND (0.0002)	-	-	-	-	0.00014 J	-	-	-	ND (0.0002)	-	-	-	0.0015	-	-	-	-
Perfluorododecane sulfonic acid (PFDoS)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluorododecanoic acid (PFDODA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	0.00056	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	0.00173	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	0.00069	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00064	-	-	-	-	0.00134	-	-	-	0.00029	-	-	-	0.0023	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	0.00079	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.000061 J	-	-	-	-	0.000061 J	-	-	-	ND (0.0002)	-	-	-	0.00326	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	ND (0.00019)	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	0.00034	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.0002)	-	-	-	-	ND (0.0002)	-	-	-	ND (0.0002)	-	-	-	0.00011 J	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00086	-	-	-	-	0.00086	-	-	-	0.00086	-	-	-	0.0033	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00088	-	-	-	-	0.0123	-	-	-	0.00263	-	-	-	0.00582	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	33	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
4,4'-DDE	22	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
4,4'-DDT	27	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
Aldrin	0.33	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
alpha-BHC	1.2	ND (0.0023)	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0022)	-	-	-	ND (0.0021)	-	-	-	-
alpha-Chlordane (cis)	8.2	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
beta-BHC	1.8	ND (0.0023)	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0022)	-	-	-	ND (0.0021)	-	-	-	-
Chlordane	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
delta-BHC	500	ND (0.0023)	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0022)	-	-	-	ND (0.0021)	-	-	-	-
Dieldrin	0.48	ND (0.0023)	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0022)	-	-	-	ND (0.0021)	-	-	-	-
Endosulfan I	360	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
Endosulfan II	360	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
Endosulfan sulfate	360	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
Endrin	55	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
Endrin aldehyde	NA	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
Endrin ketone	NA	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
gamma-BHC (Lindane)	0.21	ND (0.0023)	-	-	-	-	ND (0.0022)	-	-	-	ND (0.0022)	-	-	-	ND (0.0021)	-	-	-	-
Heptachlor	5.1	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
Heptachlor epoxide	NA	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
Methoxychlor	NA	ND (0.0076)	-	-	-	-	ND (0.0073)	-	-	-	ND (0.0074)	-	-	-	ND (0.0071)	-	-	-	-
Toxaphene	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - ISS OVERBURDEN - GRDIS ISS-21 THROUGH ISS-24
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Criteria																		
Location Name	NY Part 375	ISS-21	ISS-21A	ISS-21B	ISS-21C	ISS-21D	ISS-22	ISS-22A	ISS-22B	ISS-22C	ISS-23	ISS-23A	ISS-23B	ISS-23C	ISS-24	ISS-24A	ISS-24B	ISS-24C	ISS-24D
Sample Name	Commercial	ISS-21_0-4	ISS-21A	ISS-21B	ISS-21C	ISS-21D	ISS-22_0-4	ISS-22A	ISS-22B	ISS-22C	ISS-23_0-4	ISS-23A	ISS-23B	ISS-23C	ISS-24_0-4	ISS-24A	ISS-24B	ISS-24C	ISS-24D
Sample Date	Use	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026	01/22/2026
Lab Sample ID	Soil Cleanup	460-343761-1	460-343760-1	460-343760-2	460-343760-3	460-343760-4	460-343761-2	460-343760-5	460-343760-6	460-343760-7	460-343761-3	460-343760-8	460-343760-9	460-343760-10	460-343761-4	460-343760-11	460-343760-12	460-343760-13	460-343760-14
Sample Depth (bgs)	Objectives	0 - 4 (ft)	-	-	-	-	0 - 4 (ft)	-	-	-	0 - 4 (ft)	-	-	-	0 - 4 (ft)	-	-	-	-
Polychlorinated Biphenyls (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
Total PCBs	1	ND (0.076)	-	-	-	-	ND (0.073)	-	-	-	ND (0.074)	-	-	-	ND (0.071)	-	-	-	-
Inorganic Compounds (mg/kg)																			
Aluminum	NA	5610	-	-	-	-	6430	-	-	-	4070	-	-	-	6920	-	-	-	-
Antimony	NA	0.18 J	-	-	-	-	ND (0.98)	-	-	-	ND (1)	-	-	-	0.28 J	-	-	-	-
Arsenic	16	3.8	-	-	-	-	2.7	-	-	-	4.8	-	-	-	6.3	-	-	-	-
Barium	410	31.9	-	-	-	-	32	-	-	-	18.6	-	-	-	30.2	-	-	-	-
Beryllium	670	0.4 J	-	-	-	-	0.4	-	-	-	0.32 J	-	-	-	0.51	-	-	-	-
Cadmium	3.7	0.18 J	-	-	-	-	1.1	-	-	-	ND (0.51)	-	-	-	0.26 J	-	-	-	-
Calcium	NA	8600	-	-	-	-	2780	-	-	-	2350	-	-	-	2380	-	-	-	-
Chromium	NA	10.9	-	-	-	-	10.7	-	-	-	10.1	-	-	-	12.9	-	-	-	-
Cobalt	NA	4.3	-	-	-	-	6	-	-	-	3.5	-	-	-	5.6	-	-	-	-
Copper	280	15.6	-	-	-	-	25.4	-	-	-	8.8	-	-	-	18.2	-	-	-	-
Iron	NA	13600	-	-	-	-	14000	-	-	-	13600	-	-	-	20200	-	-	-	-
Lead	1000	17.7	-	-	-	-	45.1	-	-	-	26.9	-	-	-	55.3	-	-	-	-
Magnesium	NA	1820	-	-	-	-	2260	-	-	-	967	-	-	-	1830	-	-	-	-
Manganese	10000	141	-	-	-	-	161	-	-	-	70.9	-	-	-	223	-	-	-	-
Mercury	1.1	0.011 J	-	-	-	-	ND (0.017)	-	-	-	0.0089 J	-	-	-	0.013 J	-	-	-	-
Nickel	320	7.2	-	-	-	-	10.2	-	-	-	4.9	-	-	-	8.8	-	-	-	-
Potassium	NA	866	-	-	-	-	890	-	-	-	811	-	-	-	1040	-	-	-	-
Selenium	1700	0.18 J	-	-	-	-	0.13 J	-	-	-	0.2 J	-	-	-	0.33 J	-	-	-	-
Silver	1700	ND (0.41)	-	-	-	-	ND (0.39)	-	-	-	ND (0.41)	-	-	-	ND (0.4)	-	-	-	-
Sodium	NA	90.8 J	-	-	-	-	71.6 J	-	-	-	47.1 J	-	-	-	84.9 J	-	-	-	-
Thallium	NA	0.058 J	-	-	-	-	0.087 J	-	-	-	ND (0.41)	-	-	-	0.073 J	-	-	-	-
Vanadium	NA	15.7	-	-	-	-	16.2	-	-	-	16.7	-	-	-	22.9	-	-	-	-
Zinc	10000	93.1	-	-	-	-	150	-	-	-	29.6	-	-	-	68.2	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

J: Value is estimated.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

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

ATTACHMENT A
Soil Reuse Characterization Plan for Site-Wide Remedy



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

TECHNICAL MEMORANDUM

July 21, 2025
File No. 0208988

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

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

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

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

SUBJECT: Soil Reuse Characterization Plan for Site-Wide Remedy
Former Port Mobil Terminal (243016)

On behalf of NP Staten Island Industrial, LLC, H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) is submitting this Soil Reuse Characterization Plan for the Former Port Mobil Terminal located at 4101 Arthur Kill Road in Staten Island, New York (the "Site," Figure 1). This Soil Reuse Characterization Plan has been developed based on the sampling frequency in the New York State Department of Environmental Conservation's (NYSDEC's) Division of Environmental Remediation (DER)-10 Table 5.4 (e).

Introduction

Haley & Aldrich of New York has prepared this Soil Reuse Characterization Plan, which includes a Community Air Monitoring Plan (CAMP) for the Site. A Project Locus is included as Figure 1.

On December 6, 2024, the draft Alternatives Analysis (AA) / Remedial Action Work Plan (RAWP) prepared by Haley & Aldrich of New York was submitted to the NYSDEC and United States Environmental Protection Agency (USEPA). A revised draft was submitted on May 1, 2025. Both documents outlined the proposed remedial action for the Site, which includes in-situ solidification (ISS) and a permeable reactive barrier (PRB) wall as recommended technologies. To prepare for and support future remedial and development work, Haley & Aldrich of New York will conduct soil sampling activities within the proposed ISS and PRB wall areas.

Soil sampling activities will include soil boring installations via a track-mounted Geoprobe® drill rig and sample collection to evaluate whether the overburden in the ISS areas and across the extent of the PRB wall can be reused to support future development and Site-wide remediation. Sampling will be conducted in accordance with the procedures described in NYSDEC DER-10 Table 5.4(e) to meet the applicable NYSDEC Part 375 Commercial Use Soil Cleanup Objectives (CUSCOs) and the NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Guidance Values. This includes a sampling frequency of every 1,000 cubic yards of material as indicated in NYSDEC DER-10 Table 5.4 (e).

The Site, which is a former Major Oil Storage Facility (MOSF), contained former aboveground storage tanks (ASTs) within the proposed area of redevelopment. The ASTs are surrounded by berms, which were designed to contain potential releases when the ASTs were in use and to mitigate stormwater runoff. As many of the proposed ISS areas are in/beneath the areas of existing berms, the sampling and characterization of berm material are being conducted separately in accordance with the Berm Sampling Work Plan, dated December 2024, and its Addendum, dated July 2025, both prepared by Haley & Aldrich of New York. Soil sampling of the berms above the ISS areas is not included within this Soil Reuse Characterization Plan.

This plan also includes a Site-specific CAMP to be implemented during the ISS overburden and PRB wall sampling events, and it was developed in accordance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan and the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation. The CAMP details measures for the protection of the downwind community (i.e., off-Site receptors including residences and businesses, and on-Site workers not directly involved in the investigation activities) from potential airborne contaminant releases resulting from sampling activities at the Site. Compliance with this CAMP is required during all activities associated with soil sampling activities, such as drilling, equipment idling, transport, etc., that have the potential to generate airborne particulate matter and volatile organic compounds (VOCs).

ISS Overburden Soil Sampling

The ISS overburden areas have been divided into 36 grids, as shown on Figures 3 through 7, where three to four borings will be installed in each grid. Soil borings will be installed via direct-push methods (e.g., Geoprobe®). A total of 36 composite samples and 125 discrete samples will be collected to characterize the top 4 feet (ft) of overburden soils from the ISS areas. ISS sampling grids and depth intervals are included in Table 1. Prior to sampling in former AST areas, existing tank bottoms will be removed from the work areas by others in accordance with the Demolition Work Plan, dated May 4, 2021, by Industrial Development Advantage Port Mobil, LLC and Weston Solutions of New York, Inc.

Proposed boring locations may be adjusted or moved based on field conditions to minimize disturbance of existing berms, infrastructure, or other Site features.

Composite soil samples will be analyzed for the following parameters:

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

Discrete soil samples will be analyzed for TCL VOCs.

Permeable Reactive Barrier Wall Soil Sampling

The PRB wall has been divided into six segments, as shown in Figure 8. Haley & Alrich of New York will oversee the installation of four to five soil borings per segment for composite and discrete sampling. Each segment of the proposed wall is comprised of approximately 1,000 cubic yards, measuring approximately 400 to 450 ft long, 3 ft wide, and 20 ft deep. Borings PRB-01 through PRB-17 within segments were previously included as part of the Pre-Design Investigation Work Plan, appended to the draft AA/RAWP (May 2025) and are included in this work plan for reuse characterization. As the route of the PRB has been modified since the submission of the May 2025 draft AA/RAWP, the locations of the original 17 pre-design investigation (PDI) borings have been adjusted to represent the latest iteration of the proposed PRB path. Borings PRB-A to PRB-H have been added to the outer segments of the proposed PRB wall path for representative reuse characterization. Soil borings will be installed utilizing direct-push methods (e.g., Geoprobe®). A total of approximately 12 composite samples and 42 discrete samples will be collected to characterize the PRB wall soil from grade to 20 ft below ground surface (bgs). PRB wall sampling grids and depth intervals are included in Table 2.

Composite soil samples will be analyzed for the following parameters:

- TCL SVOCs;
- TAL total metals;
- PCBs;
- Pesticides; and
- PFAS.

Discrete soil samples will be analyzed for TCL VOCs.

Community Air Monitoring Program

Real-time air monitoring will be conducted in three locations during ground intrusive activities and will be based on the location of work, Site conditions, and nearest receptors (as shown on Figures 2 and 8). Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media.

The contaminants of concern (COCs) at the Site include VOCs, lead, zinc, and polycyclic aromatic hydrocarbons (PAHs). The VOCs include benzene, toluene, ethylbenzene, xylene (collectively BTEX compounds), 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. The PAHs include benzo[a] anthracene, benzo[a] pyrene, benzo[b] fluoranthene, indeno [1,2,3-cd] pyrene, naphthalene, and chrysene. VOCs may volatilize directly into the air during intrusive work activities. Lead, zinc, and PAHs are not volatile compounds and may be adsorbed to particulates (i.e., dust). Baseline levels will be established prior to work commencing, which will allow for correlations to be evaluated between Site activities and CAMP results. The Action Level Limits and Actions discussed below are summarized in Table 3.

VOC MONITORING, RESPONSE LEVELS, AND ACTIONS

VOCs will be monitored at CAMP stations at the three locations during ground intrusive activities, based on the location of the work, Site conditions, and nearest receptors. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. Roaming equipment to assess VOCs will be carried by the field support overseeing implementation of the waste characterization scope. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected of being present. The equipment will be calibrated at least daily for the COCs or an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic

vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 ft downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less, but in no case less than 20 ft, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shut down.
- All 15-minute readings must be recorded and be available for NYSDEC and USEPA personnel to review. Instantaneous readings, if any, used for decision purposes, will also be recorded. Proactive measures will be taken to control VOCs, such as the use of a foaming agent and wintergreen misting to prevent off-Site migration of VOCs and to suppress odors.

PARTICULATE MONITORING, RESPONSE LEVELS, AND ACTIONS

Dust particulates will be monitored at CAMP stations at the three locations during ground intrusive activities, based on the location of the work, Site conditions, and nearest receptors. Particulate concentrations will be evaluated through particulate monitoring via real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10). In the event this equipment is implemented, the equipment will be capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level discussed below:

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 $\mu\text{g}/\text{m}^3$ greater than the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 $\mu\text{g}/\text{m}^3$ above the upwind level, work will be stopped, and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 $\mu\text{g}/\text{m}^3$ of the upwind level and in preventing visible dust migration.

All 15-minute readings must be recorded and be available for NYSDEC and USEPA personnel to review. Instantaneous readings, if any, used for decision purposes, will also be recorded. Proactive measures will be taken to control dust particulates, such as the use of water sprayers to suppress dust generation and migration off Site.

FUGITIVE DUST SUPPRESSION TECHNIQUES

Reasonable fugitive dust suppression techniques must be employed during all Site activities that may generate fugitive dust. The following techniques have been shown effective for controlling the generation and migration of dust during soil sampling activities, and will be employed as needed during all ground intrusive on-Site activities:

- Applying water on haul roads;
- Wetting equipment prior to and during use;
- Hauling materials in properly tarped or watertight containers; and,
- Restricting on-Site vehicle speeds to 10 miles per hour (mph).

By employing the above techniques, the chance of exceeding the $150 \mu\text{g}/\text{m}^3$ action level becomes extremely remote. In techniques involving water application, care must be taken not to generate unacceptably wet conditions. Using atomizing sprays will prevent such overly wet conditions, conserve water, and provide an effective means of fugitive dust suppression.

Reporting

Reporting will be conducted throughout the execution of the ISS overburden and PRB wall sampling for on-Site reuse as described below.

DAILY REPORTS

During implementation of field activities for ISS overburden and PRB wall sampling, daily field reports will be submitted electronically to the NYSDEC, USEPA, and NYSDOH on the business day following the field activities. These daily reports will include a representative photolog, an updated Site figure, and a description of work.

Daily reports are not intended to be the mode of communication for notification to the NYSDEC of emergencies (e.g., accident, spill), identification of previously unidentified contaminated media, requests for changes to the ISS overburden and PRB wall sampling for on-Site reuse scope, or other sensitive or time-critical information. However, such conditions must also be included in the daily reports. Emergency conditions and changes to the scope will be addressed directly to the USEPA Project Coordinator and NYSDEC Project Manager via email (and verbal, as deemed appropriate) communication.

Exceedances of action levels observed during performance of the CAMP will be reported to the NYSDEC and USEPA via email and included in the daily report to be submitted to NYSDEC and USEPA the morning after Site activities are completed, along with actions and responses. Daily reports will include the following information:

- Date;

- Personnel;
- Wind direction;
- Meteorological data (i.e., temperature, weather, atmospheric pressure);
- Site map;
- CAMP station locations;
- Notes regarding any equipment malfunctions; and
- Notes regarding any mitigation efforts or work stoppage due to CAMP exceedances.

SOIL REUSE SUMMARY REPORT

Upon completion of the scope and once the results are received, a summary report will be prepared for submission to NYSDEC and USEPA outlining means, methods, sampling techniques, findings, and conclusions. This summary report will also include a reuse request should the analytical results meet CUSCOs and PFAS Guidance Values, and the soil be acceptable for on-Site reuse.

The report will include boring logs and summarize the sampling activities, including analytical data tables and figures showing each of the sampling locations. No material from this scope is to be reused on the Site until the formal request is approved by the NYSDEC and USEPA.

Data Quality Assurance

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

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

Investigation-Derived Waste Management

Following sample collection, boreholes will be backfilled with soil cuttings and areas restored to grade with the surrounding area. If soil is identified as grossly contaminated, it will be separated and placed into a sealed and labeled New York State Department of Transportation (NYSDOT)-approved 55-gallon drum pending characterization and off-Site disposal.

Soil borings will be installed utilizing direct-push methods (e.g., Geoprobe®) and will not utilize fluid for drilling purposes. All proposed sampling will be completed via properly decontaminated hand tools or

direct-push technology tools. Decontamination fluids will be containerized in NYSDOT-approved 55-gallon drums pending off-Site disposal.

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

Sincerely yours,

H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP



Michael J. Boland, E.I.T.
Assistant Project Manager



Thomas R. Giordano
Project Manager



Suzanne M. Bell, P.E.
Senior Associate

Attachments:

Table 1 – ISS Overburden Soil Sampling and Analysis Plan

Table 2 – PRB Wall Soil Sampling and Analysis Plan

Table 3 – Action Level Limit Summary

Figure 1 – Project Locus

Figure 2 – ISS Areas Overburden Soil Sampling Summary Plan and CAMP Locations

Figure 3 – AST-04 Overburden Soil Sampling Location Plan

Figure 4 – MW-101 Overburden Soil Sampling Location Plan

Figure 5 – AST-12 Overburden Soil Sampling Location Plan

Figure 6 – AST-50A&B Overburden Soil Sampling Location Plan

Figure 7 – MW-AST16A & UST02 Overburden Soil Sampling Location Plan

Figure 8 – PRB Wall Soil Sampling Location Plan and CAMP Locations

TABLES

TABLE 1
ISS OVERBURDEN SOIL SAMPLING AND ANALYSIS PLAN
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

ISS Area	Grid	Sampling Location	Sample ID	Sample Depth (ft)
Composite Samples				
AST-04	ISS-01	ISS-01A	ISS-01_0-4	0-4
		ISS-01B		
		ISS-01C		
	ISS-02	ISS-02A	ISS-02_0-4	0-4
		ISS-02B		
		ISS-02C		
	ISS-03	ISS-03A	ISS-03_0-4	0-4
		ISS-03B		
		ISS-03C		
		ISS-03D		
	ISS-04	ISS-04A	ISS-04_0-4	0-4
		ISS-04B		
		ISS-04C		
		ISS-04D		
	ISS-05	ISS-05A	ISS-05_0-4	0-4
		ISS-05B		
		ISS-05C		
	ISS-06	ISS-06A	ISS-06_0-4	0-4
		ISS-06B		
		ISS-06C		
		ISS-06D		
	ISS-07	ISS-07A	ISS-07_0-4	0-4
		ISS-07B		
		ISS-07C		
		ISS-07D		
	ISS-08	ISS-08A	ISS-08_0-4	0-4
		ISS-08B		
		ISS-08C		
	ISS-09	ISS-09A	ISS-09_0-4	0-4
		ISS-09B		
		ISS-09C		
		ISS-09D		
	ISS-10	ISS-10A	ISS-10_0-4	0-4
		ISS-10B		
		ISS-10C		
MW-101	ISS-11	ISS-11A	ISS-11_0-4	0-4
		ISS-11B		
		ISS-11C		
	ISS-12	ISS-12A	ISS-12_0-4	0-4
		ISS-12B		
		ISS-12C		
		ISS-12D		
	ISS-13	ISS-13A	ISS-13_0-4	0-4
		ISS-13B		
		ISS-13C		
		ISS-13D		
	ISS-14	ISS-14A	ISS-14_0-4	0-4
		ISS-14B		
		ISS-14C		
	ISS-15	ISS-15A	ISS-15_0-4	0-4
		ISS-15B		
		ISS-15C		
	ISS-16	ISS-16A	ISS-16_0-4	0-4
		ISS-16B		
		ISS-16C		
		ISS-16D		

TABLE 1
ISS OVERBURDEN SOIL SAMPLING AND ANALYSIS PLAN
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

ISS Area	Grid	Sampling Location	Sample ID	Sample Depth (ft)
Composite Samples				
AST-12	ISS-17	ISS-17A	ISS-17_0-4	0-4
		ISS-17B		
		ISS-17C		
	ISS-18	ISS-18A	ISS-18_0-4	0-4
		ISS-18B		
		ISS-18C		
		ISS-18D		
	ISS-19	ISS-19A	ISS-19_0-4	0-4
		ISS-19B		
		ISS-19C		
	ISS-20	ISS-20A	ISS-20_4	0-4
		ISS-20B		
		ISS-20C		
	ISS-21	ISS-21A	ISS-21_0-4	0-4
		ISS-21B		
		ISS-21C		
	ISS-22	ISS-22A	ISS-22_0-4	0-4
		ISS-22B		
		ISS-22C		
		ISS-22D		
	ISS-23	ISS-23A	ISS-23_0-4	0-4
		ISS-23B		
		ISS-23C		
		ISS-23D		
	ISS-24	ISS-24A	ISS-24_0-4	0-4
		ISS-24B		
		ISS-24C		
	ISS-25	ISS-25A	ISS-25_0-4	0-4
		ISS-25B		
		ISS-25C		
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		ISS-26B		
		ISS-26C		
		ISS-26D		
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		ISS-27C		
	ISS-28	ISS-28A	ISS-28_0-4	0-4
		ISS-28B		
		ISS-28C		
		ISS-28D		
	ISS-29	ISS-29A	ISS-29_0-4	0-4
		ISS-29B		
		ISS-29C		
	ISS-30	ISS-30A	ISS-30_0-4	0-4
		ISS-30B		
		ISS-30C		
	ISS-31	ISS-31A	ISS-31_0-4	0-4
		ISS-31B		
		ISS-31C		
		ISS-31D		
	ISS-32	ISS-32A	ISS-32_0-4	0-4
		ISS-32B		
		ISS-32C		
		ISS-32D		

TABLE 1
ISS OVERBURDEN SOIL SAMPLING AND ANALYSIS PLAN
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

ISS Area	Grid	Sampling Location	Sample ID	Sample Depth (ft)
Composite Samples				
AST-50A & AST-50B	ISS-33	ISS-33A	ISS-33_0-4	0-4
		ISS-33B		
		ISS-33C		
		ISS-33D		
	ISS-34	ISS-34A	ISS-34_0-4	0-4
		ISS-34B		
		ISS-34C		
MW-AST16A & UST02	ISS-35	ISS-35A	ISS-35_0-4	0-4
		ISS-35B		
		ISS-35C		
	ISS-36	ISS-36A	ISS-36_0-4	0-4
		ISS-36B		
		ISS-36C		

- Notes:
- 1. Composite samples will be analyzed for TCL SVOCs, TAL Metals, PCBs, Pesticides, and PFAS.
 - 2. Three to four discrete samples will be collected per grid.
 - 3. Discrete samples will be analyzed for TCL VOCs.

TABLE 2
PRB WALL SOIL SAMPLING AND ANALYSIS PLAN
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

PRB Segment Number	Boring Location	Sample ID	Sample Depth (ft)
Composite Samples			
1	PRB-A	PRB-S1_0-10	0-10
		PRB-S1_10-20	10-20
	PRB-B	PRB-S1_0-10	0-10
		PRB-S1_10-20	10-20
	PRB-C	PRB-S1_0-10	0-10
		PRB-S1_10-20	10-20
	PRB-D	PRB-S1_0-10	0-10
		PRB-S1_10-20	10-20
2	PRB-01	PRB-S2_0-10	0-10
		PRB-S2_10-20	10-20
	PRB-02	PRB-S2_0-10	0-10
		PRB-S2_10-20	10-20
	PRB-03	PRB-S2_0-10	0-10
		PRB-S2_10-20	10-20
	PRB-04	PRB-S2_0-10	0-10
		PRB-S2_10-20	10-20
3	PRB-05	PRB-S3_0-10	0-10
		PRB-S3_10-20	10-20
	PRB-06	PRB-S3_0-10	0-10
		PRB-S3_10-20	10-20
	PRB-07	PRB-S3_0-10	0-10
		PRB-S3_10-20	10-20
	PRB-08	PRB-S3_0-10	0-10
		PRB-S3_10-20	10-20
4	PRB-09	PRB-S3_0-10	0-10
		PRB-S3_10-20	10-20
	PRB-10	PRB-S4_0-10	0-10
		PRB-S4_10-20	10-20
	PRB-11	PRB-S4_0-10	0-10
		PRB-S4_10-20	10-20
	PRB-12	PRB-S4_0-10	0-10
		PRB-S4_10-20	10-20
5	PRB-13	PRB-S4_0-10	0-10
		PRB-S4_10-20	10-20
	PRB-14	PRB-S5_0-10	0-10
		PRB-S5_10-20	10-20
	PRB-15	PRB-S5_0-10	0-10
		PRB-S5_10-20	10-20
	PRB-16	PRB-S5_0-10	0-10
		PRB-S5_10-20	10-20
6	PRB-17	PRB-S5_0-10	0-10
		PRB-S5_10-20	10-20
	PRB-E	PRB-S6_0-10	0-10
		PRB-S6_10-20	10-20
	PRB-F	PRB-S6_0-10	0-10
		PRB-S6_10-20	10-20
	PRB-G	PRB-S6_0-10	0-10
		PRB-S6_10-20	10-20
	PRB-H	PRB-S6_0-10	0-10
		PRB-S6_10-20	10-20

- Notes:
- 1. Composite samples will be analyzed for TCL SVOCs, TAL Metals, PCBs, Pesticides, and PFAS.
 - 2. Seven discrete samples will be collected per Segment.
 - 3. Discrete samples will be analyzed for TCL VOCs.
 - 4. Numbered PRB boring locations (PRB-01 thru PRB-17) require soil type characterization as per PDI work plan.

TABLE 3
ACTION LEVEL LIMIT SUMMARY
 FORMER PORT MOBIL
 STATEN ISLAND, NEW YORK

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

Notes:

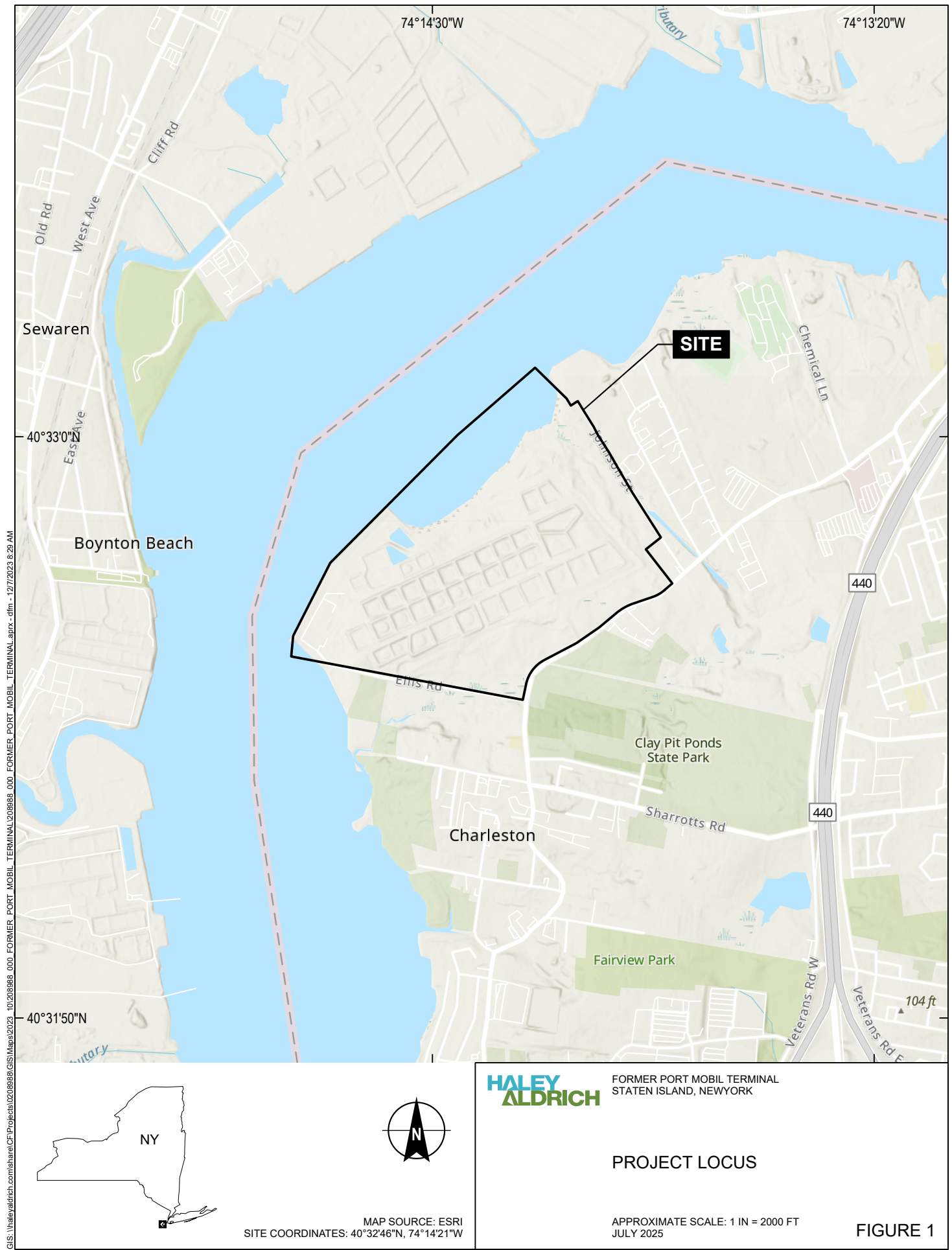
$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

ppm - parts per million

PID - photoionization detector

VOC - volatile organic compound

FIGURES



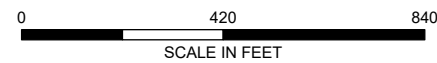
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LEGEND

- PROJECT SITE BOUNDARY
- APPROXIMATE EXTENT OF LNAPL
- ISS AREA
- AIR MONITORING STATION

- NOTES**
- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 - AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2025

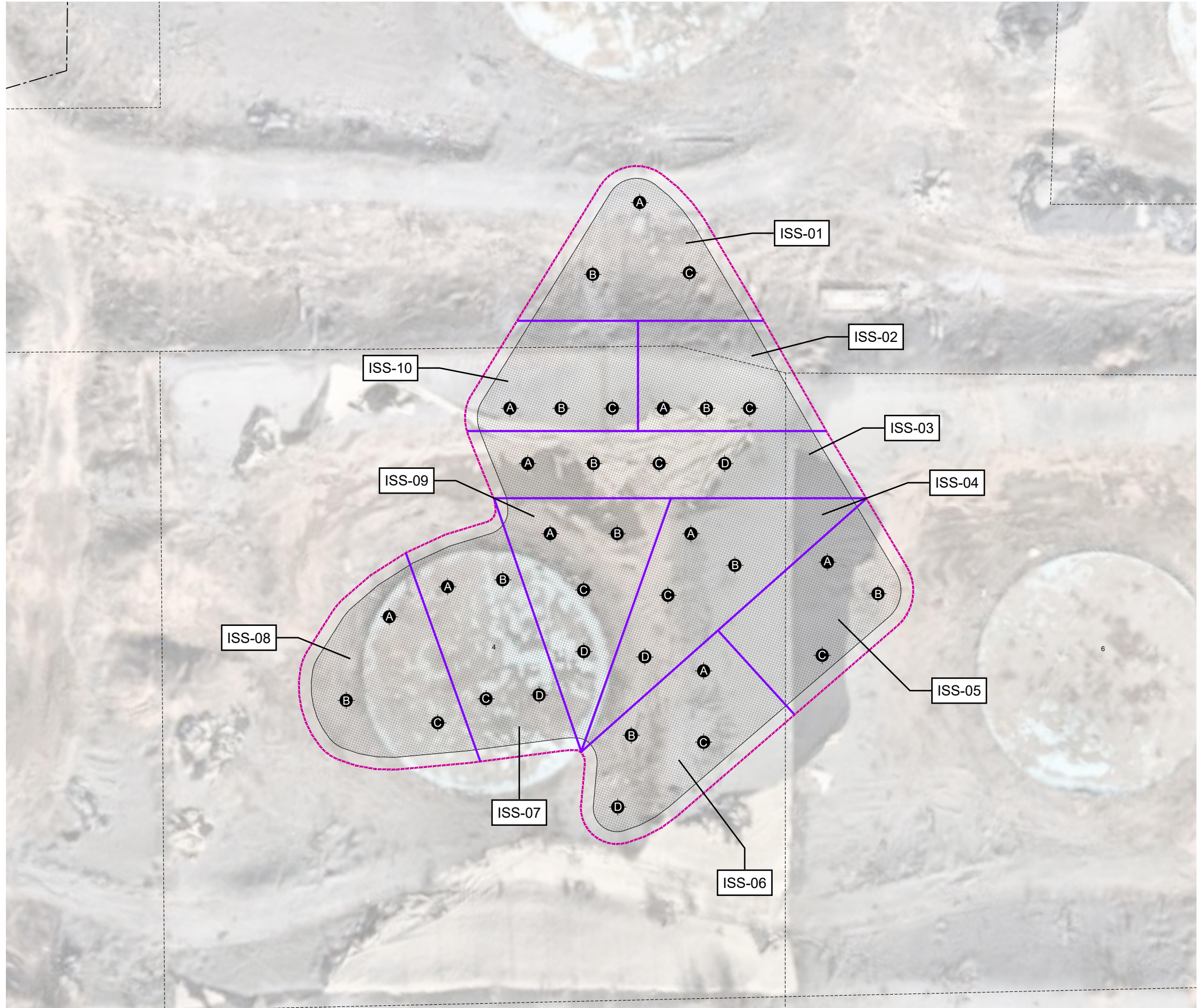


HALEY ALDRICH FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

ISS AREAS OVERBURDEN SOIL
SAMPLING SUMMARY PLAN AND
CAMP LOCATIONS

JULY 2025

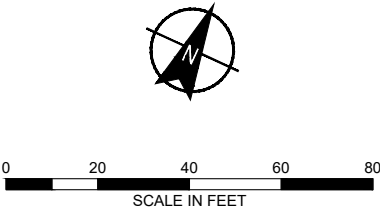
FIGURE 2



LEGEND

- CONTAINMENT BERM
- APPROXIMATE EXTENT OF LNAPL
- PROPOSED ISS AREAS AND EXCAVATION TO 4' BGS
- SOIL REUSE GRID BOUNDARY
- ISS-01 SOIL REUSE GRID IDENTIFICATION
- BORING LOCATION / COMPOSITE POINT

- NOTES**
- 1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 - 2. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2025



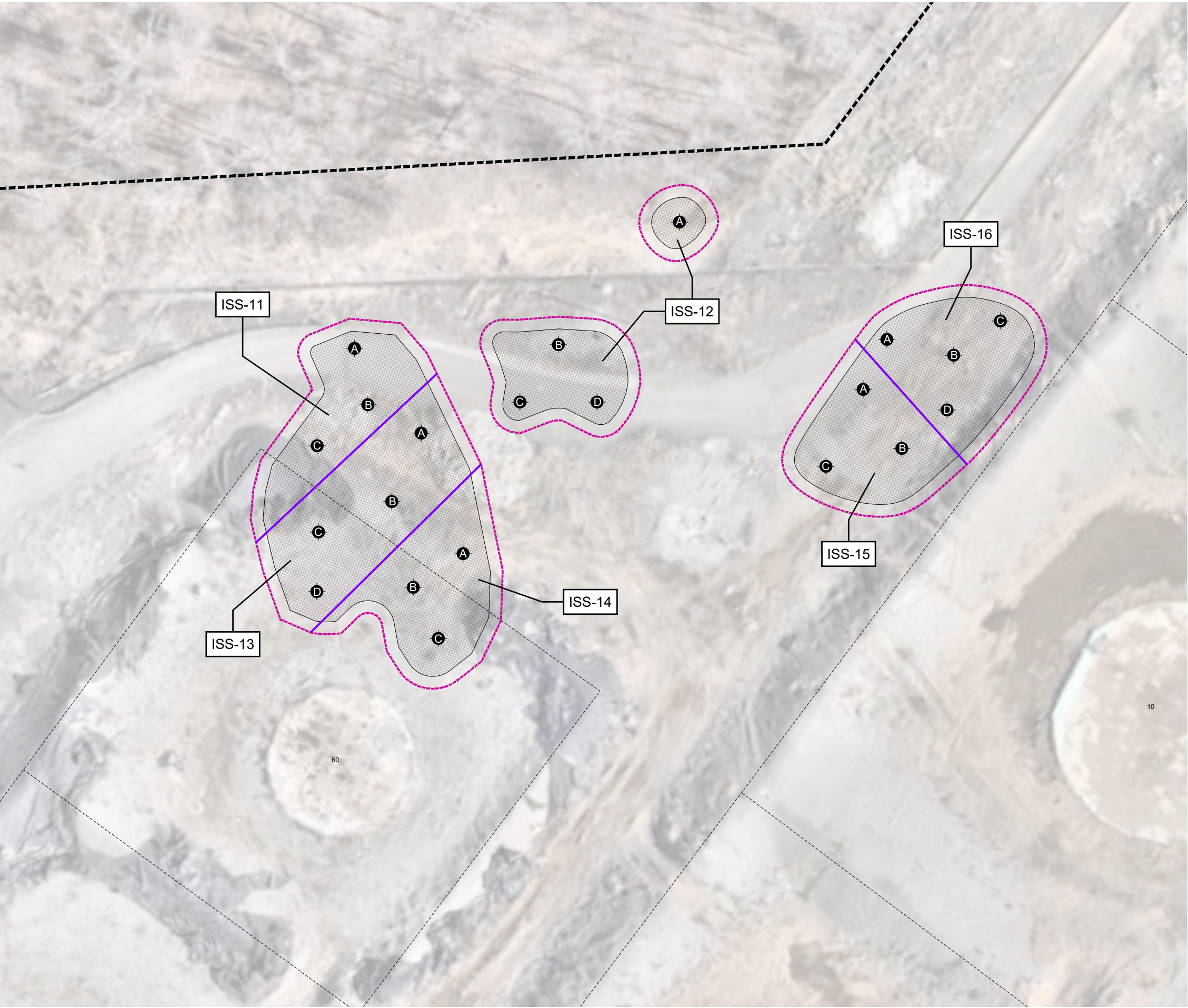
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FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

AST-04 OVERBURDEN SOIL
SAMPLING LOCATION PLAN

JULY 2025

FIGURE 3



LEGEND

- CONTAINMENT BERM
- APPROXIMATE EXTENT OF LNAPL
- PROPOSED ISS AREAS AND EXCAVATION TO 4' BGS
- SOIL REUSE GRID BOUNDARY
- ISS-11 SOIL REUSE GRID IDENTIFICATION
- BORING LOCATION / COMPOSITE POINT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2025



FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

MW-101 OVERBURDEN SOIL
SAMPLING LOCATION PLAN

JULY 2025

FIGURE 6

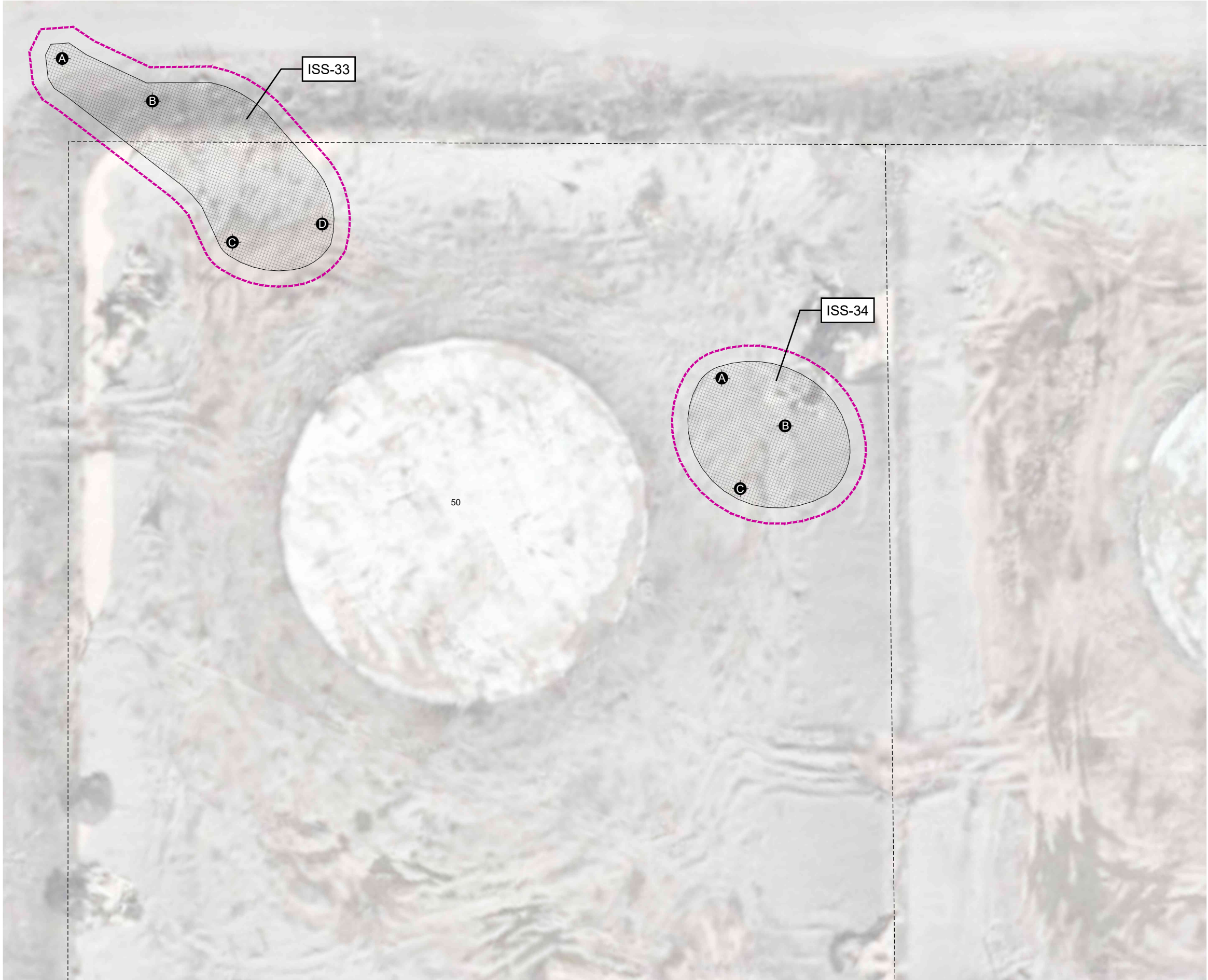


- LEGEND**
- CONTAINMENT BERM
 - APPROXIMATE EXTENT OF LNAPL
 - PROPOSED ISS AREAS AND EXCAVATION TO 4' BGS
 - SOIL REUSE GRID BOUNDARY
 - ISS-17 SOIL REUSE GRID IDENTIFICATION
 - A BORING LOCATION / COMPOSITE POINT

- NOTES**
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2025

HALEY ALDRICH FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

**AST-12 OVERBURDEN SOIL
SAMPLING LOCATION PLAN**

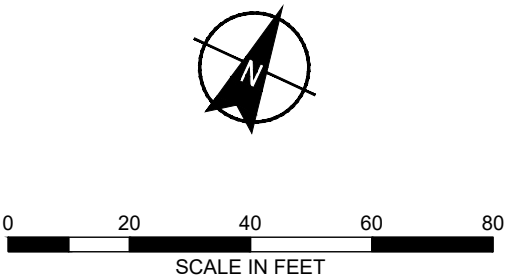


LEGEND

- CONTAINMENT BERM
- APPROXIMATE EXTENT OF LNAPL
- PROPOSED ISS AREAS AND EXCAVATION TO 4' BGS
- ISS-33 SOIL REUSE GRID IDENTIFICATION
- BORING LOCATION / COMPOSITE POINT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2025



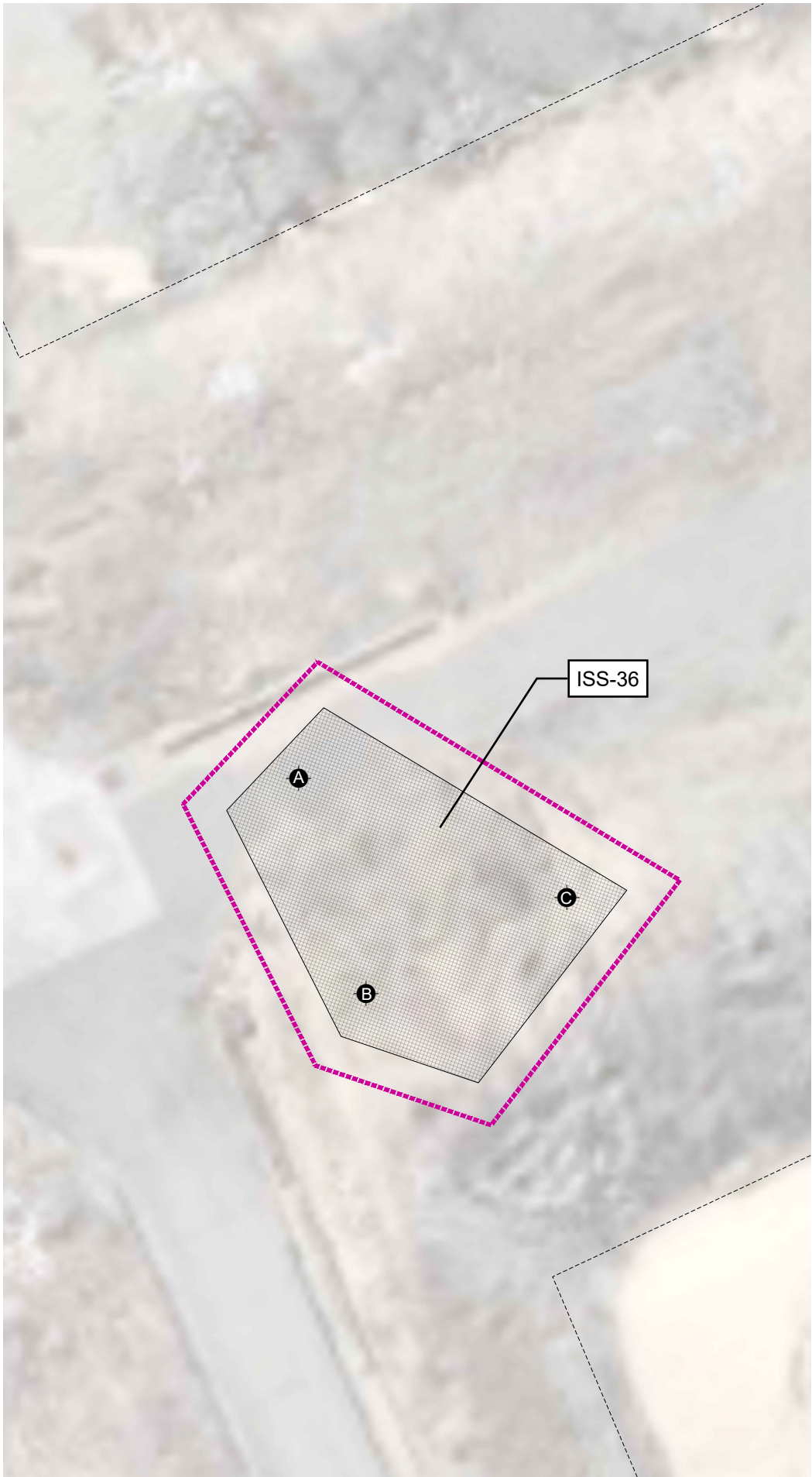
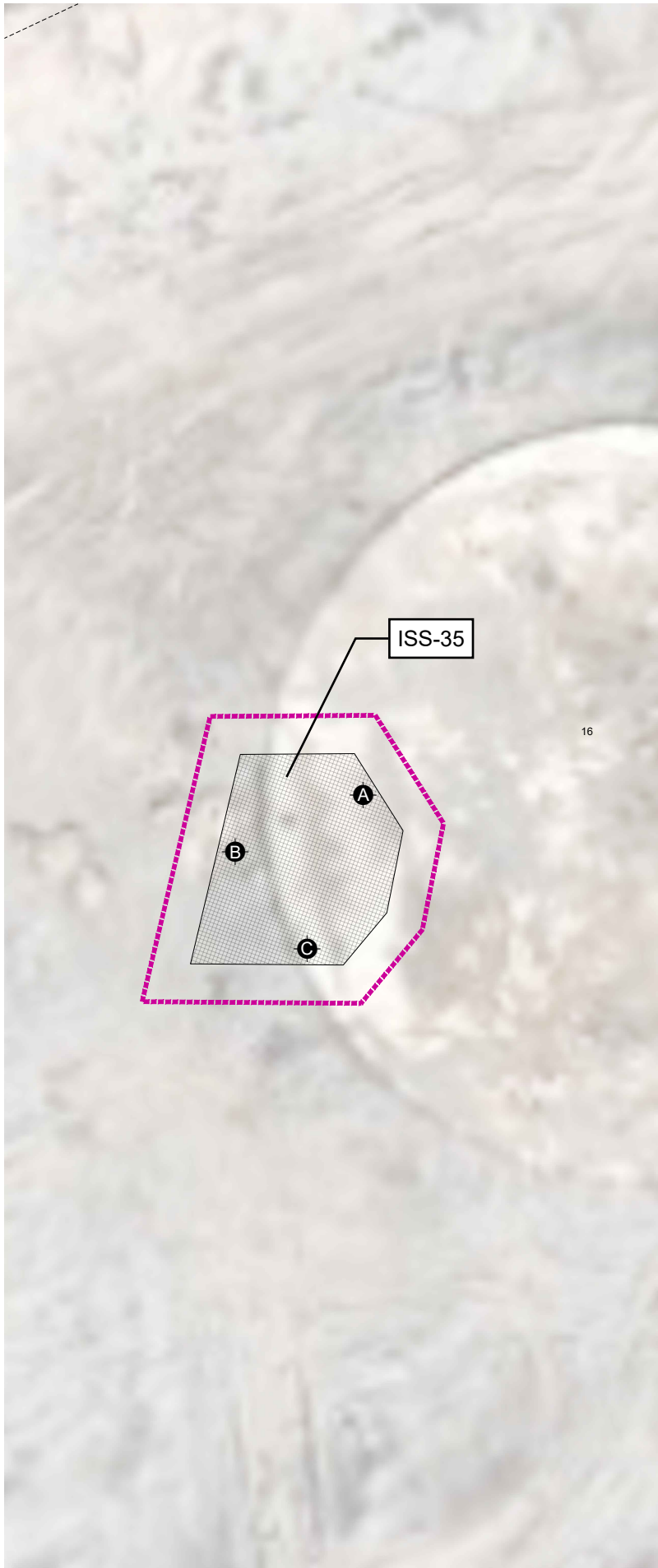
**HALEY
ALDRICH**

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

AST-50A&B OVERBURDEN SOIL
SAMPLING LOCATION PLAN

JULY 2025

FIGURE 6

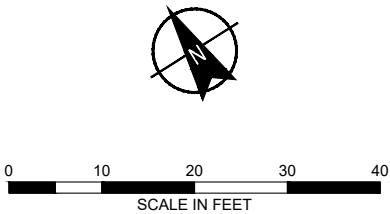


LEGEND

- CONTAINMENT BERM
- APPROXIMATE EXTENT OF LNAPL
- PROPOSED ISS AREAS AND EXCAVATION TO 4' BGS
- ISS-35 SOIL REUSE GRID IDENTIFICATION
- BORING LOCATION / COMPOSITE POINT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2025

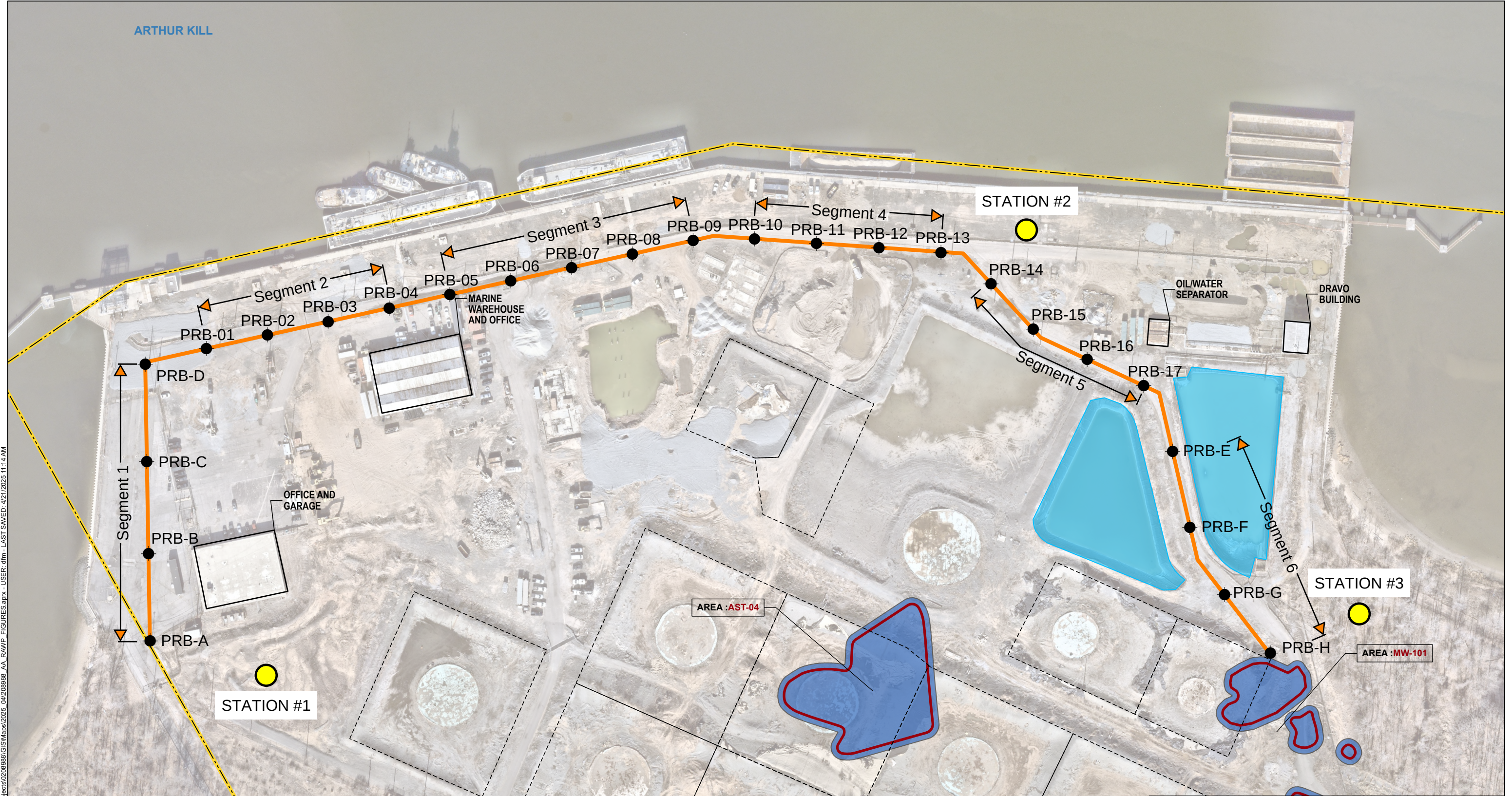


FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

MW-AST16A & UST02 OVERBURDEN
SOIL SAMPLING LOCATION PLAN

JULY 2025

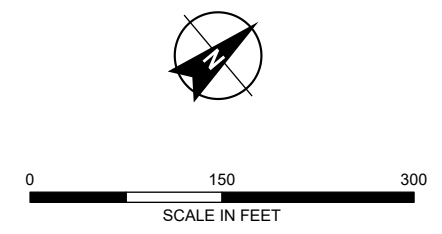
FIGURE 7



LEGEND

- BORING LOCATION / COMPOSITE POINT
- CONTAINMENT BERM
- PERMEABLE REACTIVE BARRIER (PRB) WALL
- APPROXIMATE EXTENT OF LNAPL
- STRUCTURES
- SURFACE IMPOUNDMENT
- PROJECT SITE BOUNDARY
- ISS AREA
- AIR MONITORING STATION

- NOTES**
- 1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 - 2. PROTECTION OF GROUNDWATER EXCEEDANCES ARE SHOWN FOR THE VADOSE ZONE ONLY
 - 3. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2025



FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

PRB WALL SOIL SAMPLING LOCATION
PLAN AND CAMP LOCATIONS

APRIL 2025

FIGURE 8

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ATTACHMENT B
Analytical Laboratory Reports

ANALYTICAL REPORT

PREPARED FOR

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213 West 35th Street, 7th Floor
New York, New York 10001

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JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-343760-1

Eurofins Edison

Job Notes

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Compliance Statement

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

Authorization



Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Definitions/Glossary

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

Job ID: 460-343760-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Haley & Aldrich Inc
Project: Former Port Mobil

Job ID: 460-343760-1

Job ID: 460-343760-1

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Job Narrative 460-343760-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 1/22/2026 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

Method 8260D - Volatile Organic Compounds by GC/MS

Samples ISS-21A (460-343760-1), ISS-21B (460-343760-2), ISS-21C (460-343760-3), ISS-21D (460-343760-4), ISS-22A (460-343760-5), ISS-22B (460-343760-6), ISS-22C (460-343760-7), ISS-23A (460-343760-8), ISS-23B (460-343760-9), ISS-23C (460-343760-10), ISS-24A (460-343760-11), ISS-24B (460-343760-12), ISS-24C (460-343760-13) and ISS-24D (460-343760-14) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 1/23/2026 and analyzed on 1/30/2026 and 1/31/2026.

Samples ISS-21A (460-343760-1)[100x] and ISS-22C (460-343760-7)[100x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were diluted to bring the concentration of target analytes within the calibration range: ISS-21B (460-343760-2), ISS-21C (460-343760-3), ISS-21D (460-343760-4), ISS-22B (460-343760-6), ISS-23A (460-343760-8), ISS-23B (460-343760-9), ISS-23C (460-343760-10), ISS-24A (460-343760-11), ISS-24B (460-343760-12), ISS-24C (460-343760-13) and ISS-24D (460-343760-14). Elevated reporting limits (RLs) are provided.

The continuing calibration verification (CCV) analyzed in batch 460-1088083 was outside the method criteria for the following analytes: 2-Hexanone (biased low), 1,2,3-Trichlorobenzene and Chloromethane (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample duplicate (LCSD) for analytical batch 460-1088083 recovered outside control limits for the following analytes: 1,2,3-Trichlorobenzene (recovered high) and 2-Hexanone (recovered low). The associated sample data have been flagged and reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1088269 recovered outside control limits for the following analyte: 1,2,3-Trichlorobenzene. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The following samples were diluted to bring the concentration of target analytes within the calibration range: ISS-21A (460-343760-1), ISS-22A (460-343760-5) and ISS-22C (460-343760-7). Elevated reporting limits (RLs) are provided.

Surrogate recovery for the following sample was outside control limits: ISS-21A (460-343760-1). Re-analysis was performed in batch 1088083 and surrogate recovery was outside control limits.

Method Moisture - Percent Moisture

Samples ISS-21A (460-343760-1), ISS-21B (460-343760-2), ISS-21C (460-343760-3), ISS-21D (460-343760-4), ISS-22A (460-343760-5), ISS-22B (460-343760-6), ISS-22C (460-343760-7), ISS-23A (460-343760-8), ISS-23B (460-343760-9), ISS-23C (460-343760-10), ISS-24A (460-343760-11), ISS-24B (460-343760-12), ISS-24C (460-343760-13) and ISS-24D (460-343760-14) were analyzed for Percent Moisture. The samples were analyzed on 1/23/2026.

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Case Narrative

Client: Haley & Aldrich Inc
Project: Former Port Mobil

Job ID: 460-343760-1

Job ID: 460-343760-1 (Continued)

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Detection Summary

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

Job ID: 460-343760-1

Client Sample ID: ISS-21A

Lab Sample ID: 460-343760-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	79		0.25	0.057	mg/Kg	100	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	24		0.25	0.061	mg/Kg	100	✱	8260D	Total/NA
Benzene	2.1		0.25	0.050	mg/Kg	100	✱	8260D	Total/NA
Ethylbenzene	25		0.25	0.074	mg/Kg	100	✱	8260D	Total/NA
Isopropylbenzene	3.7		0.25	0.079	mg/Kg	100	✱	8260D	Total/NA
Methylcyclohexane	12		0.25	0.18	mg/Kg	100	✱	8260D	Total/NA
m-Xylene & p-Xylene	81		0.25	0.069	mg/Kg	100	✱	8260D	Total/NA
n-Butylbenzene	7.2		0.25	0.066	mg/Kg	100	✱	8260D	Total/NA
N-Propylbenzene	14		0.25	0.071	mg/Kg	100	✱	8260D	Total/NA
o-Xylene	30		0.25	0.079	mg/Kg	100	✱	8260D	Total/NA
sec-Butylbenzene	3.3		0.25	0.076	mg/Kg	100	✱	8260D	Total/NA
tert-Butylbenzene	0.093	J	0.25	0.069	mg/Kg	100	✱	8260D	Total/NA
Toluene	20		0.25	0.061	mg/Kg	100	✱	8260D	Total/NA
Xylenes, Total	110		0.49	0.069	mg/Kg	100	✱	8260D	Total/NA

Client Sample ID: ISS-21B

Lab Sample ID: 460-343760-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.6		0.11	0.026	mg/Kg	50	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	1.1		0.11	0.029	mg/Kg	50	✱	8260D	Total/NA
Benzene	0.026	J	0.11	0.023	mg/Kg	50	✱	8260D	Total/NA
Ethylbenzene	0.27		0.11	0.034	mg/Kg	50	✱	8260D	Total/NA
Isopropylbenzene	0.092	J	0.11	0.037	mg/Kg	50	✱	8260D	Total/NA
Methylcyclohexane	0.41		0.11	0.083	mg/Kg	50	✱	8260D	Total/NA
m-Xylene & p-Xylene	1.3		0.11	0.032	mg/Kg	50	✱	8260D	Total/NA
n-Butylbenzene	0.46		0.11	0.031	mg/Kg	50	✱	8260D	Total/NA
N-Propylbenzene	0.50		0.11	0.033	mg/Kg	50	✱	8260D	Total/NA
o-Xylene	0.56		0.11	0.037	mg/Kg	50	✱	8260D	Total/NA
sec-Butylbenzene	0.12		0.11	0.035	mg/Kg	50	✱	8260D	Total/NA
Toluene	0.23		0.11	0.029	mg/Kg	50	✱	8260D	Total/NA
Xylenes, Total	1.8		0.23	0.032	mg/Kg	50	✱	8260D	Total/NA

Client Sample ID: ISS-21C

Lab Sample ID: 460-343760-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.96		0.15	0.034	mg/Kg	50	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	0.21		0.15	0.037	mg/Kg	50	✱	8260D	Total/NA
m-Xylene & p-Xylene	0.19		0.15	0.041	mg/Kg	50	✱	8260D	Total/NA
n-Butylbenzene	0.19		0.15	0.040	mg/Kg	50	✱	8260D	Total/NA
N-Propylbenzene	0.080	J	0.15	0.043	mg/Kg	50	✱	8260D	Total/NA
o-Xylene	0.10	J	0.15	0.047	mg/Kg	50	✱	8260D	Total/NA
Xylenes, Total	0.30		0.30	0.041	mg/Kg	50	✱	8260D	Total/NA

Client Sample ID: ISS-21D

Lab Sample ID: 460-343760-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	9.4		0.14	0.031	mg/Kg	50	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	3.1		0.14	0.034	mg/Kg	50	✱	8260D	Total/NA
4-Methyl-2-pentanone (MIBK)	0.55	J	0.68	0.18	mg/Kg	50	✱	8260D	Total/NA
Benzene	0.039	J	0.14	0.027	mg/Kg	50	✱	8260D	Total/NA
Ethylbenzene	2.9		0.14	0.041	mg/Kg	50	✱	8260D	Total/NA
Isopropylbenzene	0.74		0.14	0.043	mg/Kg	50	✱	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

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

Job ID: 460-343760-1

Client Sample ID: ISS-21D (Continued)

Lab Sample ID: 460-343760-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Methylcyclohexane	1.9		0.14	0.098	mg/Kg	50	✱		8260D	Total/NA
m-Xylene & p-Xylene	13		0.14	0.038	mg/Kg	50	✱		8260D	Total/NA
n-Butylbenzene	2.6		0.14	0.037	mg/Kg	50	✱		8260D	Total/NA
N-Propylbenzene	2.3		0.14	0.039	mg/Kg	50	✱		8260D	Total/NA
o-Xylene	6.7		0.14	0.043	mg/Kg	50	✱		8260D	Total/NA
sec-Butylbenzene	1.8		0.14	0.042	mg/Kg	50	✱		8260D	Total/NA
tert-Butylbenzene	0.076	J	0.14	0.038	mg/Kg	50	✱		8260D	Total/NA
Toluene	0.68		0.14	0.034	mg/Kg	50	✱		8260D	Total/NA
Xylenes, Total	20		0.27	0.038	mg/Kg	50	✱		8260D	Total/NA

Client Sample ID: ISS-22A

Lab Sample ID: 460-343760-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	51		0.13	0.030	mg/Kg	50	✱		8260D	Total/NA
1,3,5-Trimethylbenzene	16		0.13	0.033	mg/Kg	50	✱		8260D	Total/NA
Benzene	0.080	J	0.13	0.026	mg/Kg	50	✱		8260D	Total/NA
Ethylbenzene	6.4		0.13	0.039	mg/Kg	50	✱		8260D	Total/NA
Isopropylbenzene	1.4		0.13	0.042	mg/Kg	50	✱		8260D	Total/NA
Methylcyclohexane	1.1		0.13	0.095	mg/Kg	50	✱		8260D	Total/NA
m-Xylene & p-Xylene	26		0.13	0.037	mg/Kg	50	✱		8260D	Total/NA
n-Butylbenzene	4.0		0.13	0.035	mg/Kg	50	✱		8260D	Total/NA
N-Propylbenzene	6.7		0.13	0.038	mg/Kg	50	✱		8260D	Total/NA
o-Xylene	12		0.13	0.042	mg/Kg	50	✱		8260D	Total/NA
sec-Butylbenzene	1.2		0.13	0.040	mg/Kg	50	✱		8260D	Total/NA
Toluene	3.3		0.13	0.033	mg/Kg	50	✱		8260D	Total/NA
Xylenes, Total	38		0.26	0.037	mg/Kg	50	✱		8260D	Total/NA

Client Sample ID: ISS-22B

Lab Sample ID: 460-343760-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2.3		0.094	0.022	mg/Kg	50	✱		8260D	Total/NA
1,3,5-Trimethylbenzene	0.89		0.094	0.024	mg/Kg	50	✱		8260D	Total/NA
Ethylbenzene	0.56		0.094	0.028	mg/Kg	50	✱		8260D	Total/NA
Isopropylbenzene	0.43		0.094	0.030	mg/Kg	50	✱		8260D	Total/NA
Methylcyclohexane	0.52		0.094	0.068	mg/Kg	50	✱		8260D	Total/NA
m-Xylene & p-Xylene	1.5		0.094	0.026	mg/Kg	50	✱		8260D	Total/NA
n-Butylbenzene	2.0		0.094	0.025	mg/Kg	50	✱		8260D	Total/NA
N-Propylbenzene	1.5		0.094	0.027	mg/Kg	50	✱		8260D	Total/NA
o-Xylene	0.75		0.094	0.030	mg/Kg	50	✱		8260D	Total/NA
sec-Butylbenzene	1.3		0.094	0.029	mg/Kg	50	✱		8260D	Total/NA
tert-Butylbenzene	0.063	J	0.094	0.026	mg/Kg	50	✱		8260D	Total/NA
Toluene	0.11		0.094	0.024	mg/Kg	50	✱		8260D	Total/NA
Xylenes, Total	2.3		0.19	0.026	mg/Kg	50	✱		8260D	Total/NA

Client Sample ID: ISS-22C

Lab Sample ID: 460-343760-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	110		0.30	0.068	mg/Kg	100	✱		8260D	Total/NA
1,3,5-Trimethylbenzene	31		0.30	0.074	mg/Kg	100	✱		8260D	Total/NA
Benzene	0.098	J	0.30	0.060	mg/Kg	100	✱		8260D	Total/NA
Ethylbenzene	12		0.30	0.089	mg/Kg	100	✱		8260D	Total/NA
Isopropylbenzene	3.0		0.30	0.094	mg/Kg	100	✱		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

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

Job ID: 460-343760-1

Client Sample ID: ISS-22C (Continued)

Lab Sample ID: 460-343760-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylcyclohexane	9.6		0.30	0.21	mg/Kg	100	✱	8260D	Total/NA
m-Xylene & p-Xylene	48		0.30	0.083	mg/Kg	100	✱	8260D	Total/NA
n-Butylbenzene	9.8		0.30	0.080	mg/Kg	100	✱	8260D	Total/NA
N-Propylbenzene	15		0.30	0.086	mg/Kg	100	✱	8260D	Total/NA
o-Xylene	19		0.30	0.094	mg/Kg	100	✱	8260D	Total/NA
sec-Butylbenzene	2.9		0.30	0.091	mg/Kg	100	✱	8260D	Total/NA
Toluene	4.6		0.30	0.074	mg/Kg	100	✱	8260D	Total/NA
Xylenes, Total	67		0.59	0.083	mg/Kg	100	✱	8260D	Total/NA

Client Sample ID: ISS-23A

Lab Sample ID: 460-343760-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.95		0.086	0.020	mg/Kg	50	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	0.15		0.086	0.021	mg/Kg	50	✱	8260D	Total/NA
Ethylbenzene	0.17		0.086	0.026	mg/Kg	50	✱	8260D	Total/NA
Isopropylbenzene	0.44		0.086	0.027	mg/Kg	50	✱	8260D	Total/NA
Methylcyclohexane	0.52		0.086	0.062	mg/Kg	50	✱	8260D	Total/NA
m-Xylene & p-Xylene	0.53		0.086	0.024	mg/Kg	50	✱	8260D	Total/NA
n-Butylbenzene	1.7		0.086	0.023	mg/Kg	50	✱	8260D	Total/NA
N-Propylbenzene	1.1		0.086	0.025	mg/Kg	50	✱	8260D	Total/NA
o-Xylene	0.24		0.086	0.027	mg/Kg	50	✱	8260D	Total/NA
sec-Butylbenzene	1.7		0.086	0.027	mg/Kg	50	✱	8260D	Total/NA
tert-Butylbenzene	0.065	J	0.086	0.024	mg/Kg	50	✱	8260D	Total/NA
Toluene	0.13		0.086	0.021	mg/Kg	50	✱	8260D	Total/NA
Xylenes, Total	0.76		0.17	0.024	mg/Kg	50	✱	8260D	Total/NA

Client Sample ID: ISS-23B

Lab Sample ID: 460-343760-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.30		0.11	0.026	mg/Kg	50	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	0.12		0.11	0.028	mg/Kg	50	✱	8260D	Total/NA
Ethylbenzene	0.038	J	0.11	0.033	mg/Kg	50	✱	8260D	Total/NA
Isopropylbenzene	0.25		0.11	0.035	mg/Kg	50	✱	8260D	Total/NA
Methylcyclohexane	0.28		0.11	0.081	mg/Kg	50	✱	8260D	Total/NA
m-Xylene & p-Xylene	0.16		0.11	0.031	mg/Kg	50	✱	8260D	Total/NA
n-Butylbenzene	1.7		0.11	0.030	mg/Kg	50	✱	8260D	Total/NA
N-Propylbenzene	0.76		0.11	0.032	mg/Kg	50	✱	8260D	Total/NA
o-Xylene	0.089	J	0.11	0.035	mg/Kg	50	✱	8260D	Total/NA
sec-Butylbenzene	1.5		0.11	0.034	mg/Kg	50	✱	8260D	Total/NA
tert-Butylbenzene	0.056	J	0.11	0.031	mg/Kg	50	✱	8260D	Total/NA
Xylenes, Total	0.25		0.22	0.031	mg/Kg	50	✱	8260D	Total/NA

Client Sample ID: ISS-23C

Lab Sample ID: 460-343760-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2.2		0.10	0.024	mg/Kg	50	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	0.72		0.10	0.026	mg/Kg	50	✱	8260D	Total/NA
Benzene	0.47		0.10	0.021	mg/Kg	50	✱	8260D	Total/NA
Cyclohexane	0.53		0.10	0.027	mg/Kg	50	✱	8260D	Total/NA
Ethylbenzene	1.5		0.10	0.031	mg/Kg	50	✱	8260D	Total/NA
Isopropylbenzene	1.2		0.10	0.033	mg/Kg	50	✱	8260D	Total/NA
Methylcyclohexane	2.9		0.10	0.076	mg/Kg	50	✱	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

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

Job ID: 460-343760-1

Client Sample ID: ISS-23C (Continued)

Lab Sample ID: 460-343760-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	4.0		0.10	0.029	mg/Kg	50	✱	8260D	Total/NA
n-Butylbenzene	3.3		0.10	0.028	mg/Kg	50	✱	8260D	Total/NA
N-Propylbenzene	2.8		0.10	0.030	mg/Kg	50	✱	8260D	Total/NA
o-Xylene	1.3		0.10	0.033	mg/Kg	50	✱	8260D	Total/NA
sec-Butylbenzene	3.3		0.10	0.032	mg/Kg	50	✱	8260D	Total/NA
tert-Butylbenzene	0.12		0.10	0.029	mg/Kg	50	✱	8260D	Total/NA
Toluene	4.5		0.10	0.026	mg/Kg	50	✱	8260D	Total/NA
Xylenes, Total	5.3		0.21	0.029	mg/Kg	50	✱	8260D	Total/NA

Client Sample ID: ISS-24A

Lab Sample ID: 460-343760-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2.7		0.13	0.030	mg/Kg	50	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	0.97		0.13	0.032	mg/Kg	50	✱	8260D	Total/NA
Ethylbenzene	0.43		0.13	0.039	mg/Kg	50	✱	8260D	Total/NA
Isopropylbenzene	0.13		0.13	0.041	mg/Kg	50	✱	8260D	Total/NA
Methylcyclohexane	0.70		0.13	0.094	mg/Kg	50	✱	8260D	Total/NA
m-Xylene & p-Xylene	1.8		0.13	0.036	mg/Kg	50	✱	8260D	Total/NA
n-Butylbenzene	0.65		0.13	0.035	mg/Kg	50	✱	8260D	Total/NA
N-Propylbenzene	0.49		0.13	0.037	mg/Kg	50	✱	8260D	Total/NA
o-Xylene	0.76		0.13	0.041	mg/Kg	50	✱	8260D	Total/NA
sec-Butylbenzene	0.36		0.13	0.040	mg/Kg	50	✱	8260D	Total/NA
Toluene	0.43		0.13	0.032	mg/Kg	50	✱	8260D	Total/NA
Xylenes, Total	2.5		0.26	0.036	mg/Kg	50	✱	8260D	Total/NA

Client Sample ID: ISS-24B

Lab Sample ID: 460-343760-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	5.8		0.30	0.068	mg/Kg	50	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	3.0		0.30	0.074	mg/Kg	50	✱	8260D	Total/NA
Ethylbenzene	1.1		0.30	0.089	mg/Kg	50	✱	8260D	Total/NA
Isopropylbenzene	0.30		0.30	0.095	mg/Kg	50	✱	8260D	Total/NA
m-Xylene & p-Xylene	3.2		0.30	0.083	mg/Kg	50	✱	8260D	Total/NA
n-Butylbenzene	1.2		0.30	0.080	mg/Kg	50	✱	8260D	Total/NA
N-Propylbenzene	1.3		0.30	0.086	mg/Kg	50	✱	8260D	Total/NA
o-Xylene	2.5		0.30	0.095	mg/Kg	50	✱	8260D	Total/NA
sec-Butylbenzene	0.42		0.30	0.092	mg/Kg	50	✱	8260D	Total/NA
Toluene	0.45		0.30	0.074	mg/Kg	50	✱	8260D	Total/NA
Xylenes, Total	5.6		0.60	0.083	mg/Kg	50	✱	8260D	Total/NA

Client Sample ID: ISS-24C

Lab Sample ID: 460-343760-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	4.9		0.11	0.026	mg/Kg	50	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	2.0		0.11	0.028	mg/Kg	50	✱	8260D	Total/NA
Ethylbenzene	0.31		0.11	0.034	mg/Kg	50	✱	8260D	Total/NA
Isopropylbenzene	0.17		0.11	0.036	mg/Kg	50	✱	8260D	Total/NA
Methylcyclohexane	0.86		0.11	0.082	mg/Kg	50	✱	8260D	Total/NA
m-Xylene & p-Xylene	1.6		0.11	0.032	mg/Kg	50	✱	8260D	Total/NA
n-Butylbenzene	0.70		0.11	0.030	mg/Kg	50	✱	8260D	Total/NA
N-Propylbenzene	0.82		0.11	0.033	mg/Kg	50	✱	8260D	Total/NA
o-Xylene	0.73		0.11	0.036	mg/Kg	50	✱	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

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

Job ID: 460-343760-1

Client Sample ID: ISS-24C (Continued)

Lab Sample ID: 460-343760-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
sec-Butylbenzene	0.22		0.11	0.035	mg/Kg	50	✱	8260D	Total/NA
Toluene	0.087	J	0.11	0.028	mg/Kg	50	✱	8260D	Total/NA
Xylenes, Total	2.3		0.23	0.032	mg/Kg	50	✱	8260D	Total/NA

Client Sample ID: ISS-24D

Lab Sample ID: 460-343760-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.87		0.096	0.022	mg/Kg	50	✱	8260D	Total/NA
1,3,5-Trimethylbenzene	0.86		0.096	0.024	mg/Kg	50	✱	8260D	Total/NA
Ethylbenzene	0.070	J	0.096	0.029	mg/Kg	50	✱	8260D	Total/NA
Isopropylbenzene	0.049	J	0.096	0.031	mg/Kg	50	✱	8260D	Total/NA
Methyl acetate	0.70		0.48	0.075	mg/Kg	50	✱	8260D	Total/NA
Methylcyclohexane	0.23		0.096	0.070	mg/Kg	50	✱	8260D	Total/NA
m-Xylene & p-Xylene	0.23		0.096	0.027	mg/Kg	50	✱	8260D	Total/NA
n-Butylbenzene	0.48		0.096	0.026	mg/Kg	50	✱	8260D	Total/NA
N-Propylbenzene	0.19		0.096	0.028	mg/Kg	50	✱	8260D	Total/NA
o-Xylene	0.33		0.096	0.031	mg/Kg	50	✱	8260D	Total/NA
sec-Butylbenzene	0.26		0.096	0.030	mg/Kg	50	✱	8260D	Total/NA
Toluene	0.049	J	0.096	0.024	mg/Kg	50	✱	8260D	Total/NA
Xylenes, Total	0.56		0.19	0.027	mg/Kg	50	✱	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-21A

Lab Sample ID: 460-343760-1

Date Collected: 01/22/26 10:30

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.25	U	0.25	0.069	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,1,1,2,2-Tetrachloroethane	0.25	U	0.25	0.049	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,1,1,2-Trichloro-1,2,2-trifluoroethane	0.25	U	0.25	0.084	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,1,2-Trichloroethane	0.25	U	0.25	0.050	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,1-Dichloroethane	0.25	U	0.25	0.059	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,1-Dichloroethene	0.25	U	0.25	0.065	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,2,3-Trichlorobenzene	0.25	U *	0.25	0.086	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,2,4-Trichlorobenzene	0.25	U	0.25	0.066	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,2,4-Trimethylbenzene	79		0.25	0.057	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,2-Dibromo-3-Chloropropane	0.25	U	0.25	0.052	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,2-Dichlorobenzene	0.25	U	0.25	0.054	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,2-Dichloroethane	0.25	U	0.25	0.061	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,2-Dichloropropane	0.25	U	0.25	0.044	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,3,5-Trimethylbenzene	24		0.25	0.061	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,3-Dichlorobenzene	0.25	U	0.25	0.081	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
1,4-Dichlorobenzene	0.25	U	0.25	0.082	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
2-Butanone (MEK)	1.2	U	1.2	0.54	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
2-Hexanone	1.2	U	1.2	0.28	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
4-Methyl-2-pentanone (MIBK)	1.2	U	1.2	0.32	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Acetone	1.2	U	1.2	1.1	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Benzene	2.1		0.25	0.050	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Bromoform	0.25	U	0.25	0.044	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Bromomethane	0.25	U	0.25	0.14	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Carbon disulfide	0.25	U	0.25	0.17	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Carbon tetrachloride	0.25	U	0.25	0.081	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Chlorobenzene	0.25	U	0.25	0.059	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Chlorobromomethane	0.25	U	0.25	0.074	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Chlorodibromomethane	0.25	U	0.25	0.054	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Chloroethane	0.25	U	0.25	0.091	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Chloroform	0.25	U	0.25	0.054	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Chloromethane	0.25	U	0.25	0.099	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
cis-1,2-Dichloroethene	0.25	U	0.25	0.064	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
cis-1,3-Dichloropropene	0.25	U	0.25	0.055	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Cyclohexane	0.25	U	0.25	0.064	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Dichlorobromomethane	0.25	U	0.25	0.037	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Dichlorodifluoromethane	0.25	U	0.25	0.076	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Ethylbenzene	25		0.25	0.074	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Ethylene Dibromide	0.25	U	0.25	0.047	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Isopropylbenzene	3.7		0.25	0.079	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Methyl acetate	1.2	U	1.2	0.19	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Methyl tert-butyl ether	0.25	U	0.25	0.053	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Methylcyclohexane	12		0.25	0.18	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Methylene Chloride	0.25	U	0.25	0.052	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
m-Xylene & p-Xylene	81		0.25	0.069	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
n-Butylbenzene	7.2		0.25	0.066	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
N-Propylbenzene	14		0.25	0.071	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
o-Xylene	30		0.25	0.079	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
sec-Butylbenzene	3.3		0.25	0.076	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Styrene	0.25	U	0.25	0.042	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-21A

Lab Sample ID: 460-343760-1

Date Collected: 01/22/26 10:30

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.093	J	0.25	0.069	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Tetrachloroethene	0.25	U	0.25	0.089	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Toluene	20		0.25	0.061	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
trans-1,2-Dichloroethene	0.25	U	0.25	0.044	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
trans-1,3-Dichloropropene	0.25	U	0.25	0.055	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Trichloroethene	0.25	U	0.25	0.054	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Trichlorofluoromethane	0.25	U	0.25	0.079	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Vinyl chloride	0.25	U	0.25	0.049	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Xylenes, Total	110		0.49	0.069	mg/Kg	✱	01/23/26 12:45	01/31/26 08:27	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	72		60 - 150				01/23/26 12:45	01/31/26 08:27	100
4-Bromofluorobenzene	58	*	70 - 150				01/23/26 12:45	01/31/26 08:27	100
Dibromofluoromethane (Surr)	59	*	68 - 150				01/23/26 12:45	01/31/26 08:27	100
Toluene-d8 (Surr)	57	*	64 - 157				01/23/26 12:45	01/31/26 08:27	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.0		1.0	1.0	%			01/23/26 16:23	1
Percent Solids (EPA Moisture)	97.0		1.0	1.0	%			01/23/26 16:23	1

Client Sample ID: ISS-21B

Lab Sample ID: 460-343760-2

Date Collected: 01/22/26 10:35

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.11	U	0.11	0.032	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,1,2,2-Tetrachloroethane	0.11	U	0.11	0.023	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U	0.11	0.039	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,1,2-Trichloroethane	0.11	U	0.11	0.023	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,1-Dichloroethane	0.11	U	0.11	0.027	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,1-Dichloroethene	0.11	U	0.11	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,2,3-Trichlorobenzene	0.11	U *	0.11	0.040	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,2,4-Trichlorobenzene	0.11	U	0.11	0.031	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,2,4-Trimethylbenzene	3.6		0.11	0.026	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,2-Dibromo-3-Chloropropane	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,2-Dichlorobenzene	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,2-Dichloroethane	0.11	U	0.11	0.029	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,2-Dichloropropane	0.11	U	0.11	0.021	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,3,5-Trimethylbenzene	1.1		0.11	0.029	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,3-Dichlorobenzene	0.11	U	0.11	0.038	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
1,4-Dichlorobenzene	0.11	U	0.11	0.038	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
2-Butanone (MEK)	0.57	U	0.57	0.25	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
2-Hexanone	0.57	U *	0.57	0.13	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
4-Methyl-2-pentanone (MIBK)	0.57	U	0.57	0.15	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Acetone	0.57	U	0.57	0.51	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Benzene	0.026	J	0.11	0.023	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Bromoform	0.11	U	0.11	0.021	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Bromomethane	0.11	U	0.11	0.063	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-21B

Lab Sample ID: 460-343760-2

Date Collected: 01/22/26 10:35

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.11	U	0.11	0.077	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Carbon tetrachloride	0.11	U	0.11	0.038	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Chlorobenzene	0.11	U	0.11	0.027	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Chlorobromomethane	0.11	U	0.11	0.034	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Chlorodibromomethane	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Chloroethane	0.11	U	0.11	0.042	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Chloroform	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Chloromethane	0.11	U	0.11	0.046	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
cis-1,2-Dichloroethene	0.11	U	0.11	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
cis-1,3-Dichloropropene	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Cyclohexane	0.11	U	0.11	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Dichlorobromomethane	0.11	U	0.11	0.017	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Dichlorodifluoromethane	0.11	U	0.11	0.035	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Ethylbenzene	0.27		0.11	0.034	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Ethylene Dibromide	0.11	U	0.11	0.022	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Isopropylbenzene	0.092	J	0.11	0.037	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Methyl acetate	0.57	U	0.57	0.090	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Methyl tert-butyl ether	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Methylcyclohexane	0.41		0.11	0.083	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Methylene Chloride	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
m-Xylene & p-Xylene	1.3		0.11	0.032	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
n-Butylbenzene	0.46		0.11	0.031	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
N-Propylbenzene	0.50		0.11	0.033	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
o-Xylene	0.56		0.11	0.037	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
sec-Butylbenzene	0.12		0.11	0.035	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Styrene	0.11	U	0.11	0.019	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
tert-Butylbenzene	0.11	U	0.11	0.032	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Tetrachloroethene	0.11	U	0.11	0.041	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Toluene	0.23		0.11	0.029	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
trans-1,2-Dichloroethene	0.11	U	0.11	0.021	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
trans-1,3-Dichloropropene	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Trichloroethene	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Trichlorofluoromethane	0.11	U	0.11	0.037	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Vinyl chloride	0.11	U	0.11	0.023	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50
Xylenes, Total	1.8		0.23	0.032	mg/Kg	✱	01/23/26 12:45	01/30/26 11:22	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		60 - 150	01/23/26 12:45	01/30/26 11:22	50
4-Bromofluorobenzene	97		70 - 150	01/23/26 12:45	01/30/26 11:22	50
Dibromofluoromethane (Surr)	112		68 - 150	01/23/26 12:45	01/30/26 11:22	50
Toluene-d8 (Surr)	106		64 - 157	01/23/26 12:45	01/30/26 11:22	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.8		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	87.2		1.0	1.0	%			01/23/26 16:24	1

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-21C

Lab Sample ID: 460-343760-3

Date Collected: 01/22/26 10:40

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.15	U	0.15	0.041	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,1,2,2-Tetrachloroethane	0.15	U	0.15	0.029	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.15	U	0.15	0.050	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,1,2-Trichloroethane	0.15	U	0.15	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,1-Dichloroethane	0.15	U	0.15	0.036	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,1-Dichloroethene	0.15	U	0.15	0.039	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,2,3-Trichlorobenzene	0.15	U *	0.15	0.052	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,2,4-Trichlorobenzene	0.15	U	0.15	0.040	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,2,4-Trimethylbenzene	0.96		0.15	0.034	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,2-Dibromo-3-Chloropropane	0.15	U	0.15	0.031	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,2-Dichlorobenzene	0.15	U	0.15	0.033	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,2-Dichloroethane	0.15	U	0.15	0.037	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,2-Dichloropropane	0.15	U	0.15	0.027	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,3,5-Trimethylbenzene	0.21		0.15	0.037	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,3-Dichlorobenzene	0.15	U	0.15	0.049	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
1,4-Dichlorobenzene	0.15	U	0.15	0.049	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
2-Butanone (MEK)	0.74	U	0.74	0.33	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
2-Hexanone	0.74	U *	0.74	0.17	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
4-Methyl-2-pentanone (MIBK)	0.74	U	0.74	0.19	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Acetone	0.74	U	0.74	0.65	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Benzene	0.15	U	0.15	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Bromoform	0.15	U	0.15	0.027	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Bromomethane	0.15	U	0.15	0.082	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Carbon disulfide	0.15	U	0.15	0.10	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Carbon tetrachloride	0.15	U	0.15	0.049	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Chlorobenzene	0.15	U	0.15	0.036	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Chlorobromomethane	0.15	U	0.15	0.044	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Chlorodibromomethane	0.15	U	0.15	0.033	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Chloroethane	0.15	U	0.15	0.055	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Chloroform	0.15	U	0.15	0.033	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Chloromethane	0.15	U	0.15	0.059	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
cis-1,2-Dichloroethene	0.15	U	0.15	0.038	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
cis-1,3-Dichloropropene	0.15	U	0.15	0.033	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Cyclohexane	0.15	U	0.15	0.038	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Dichlorobromomethane	0.15	U	0.15	0.022	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Dichlorodifluoromethane	0.15	U	0.15	0.046	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Ethylbenzene	0.15	U	0.15	0.044	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Ethylene Dibromide	0.15	U	0.15	0.028	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Isopropylbenzene	0.15	U	0.15	0.047	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Methyl acetate	0.74	U	0.74	0.12	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Methyl tert-butyl ether	0.15	U	0.15	0.032	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Methylcyclohexane	0.15	U	0.15	0.11	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Methylene Chloride	0.15	U	0.15	0.031	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
m-Xylene & p-Xylene	0.19		0.15	0.041	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
n-Butylbenzene	0.19		0.15	0.040	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
N-Propylbenzene	0.080	J	0.15	0.043	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
o-Xylene	0.10	J	0.15	0.047	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
sec-Butylbenzene	0.15	U	0.15	0.046	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Styrene	0.15	U	0.15	0.025	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-21C

Lab Sample ID: 460-343760-3

Date Collected: 01/22/26 10:40

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.15	U	0.15	0.041	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Tetrachloroethene	0.15	U	0.15	0.053	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Toluene	0.15	U	0.15	0.037	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
trans-1,2-Dichloroethene	0.15	U	0.15	0.027	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
trans-1,3-Dichloropropene	0.15	U	0.15	0.033	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Trichloroethene	0.15	U	0.15	0.033	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Trichlorofluoromethane	0.15	U	0.15	0.047	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Vinyl chloride	0.15	U	0.15	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50
Xylenes, Total	0.30		0.30	0.041	mg/Kg	✱	01/23/26 12:45	01/30/26 10:58	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		60 - 150	01/23/26 12:45	01/30/26 10:58	50
4-Bromofluorobenzene	89		70 - 150	01/23/26 12:45	01/30/26 10:58	50
Dibromofluoromethane (Surr)	104		68 - 150	01/23/26 12:45	01/30/26 10:58	50
Toluene-d8 (Surr)	97		64 - 157	01/23/26 12:45	01/30/26 10:58	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	4.8		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	95.2		1.0	1.0	%			01/23/26 16:24	1

Client Sample ID: ISS-21D

Lab Sample ID: 460-343760-4

Date Collected: 01/22/26 10:45

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.14	U	0.14	0.038	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,1,2,2-Tetrachloroethane	0.14	U	0.14	0.027	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.14	U	0.14	0.046	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,1,2-Trichloroethane	0.14	U	0.14	0.028	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,1-Dichloroethane	0.14	U	0.14	0.033	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,1-Dichloroethene	0.14	U	0.14	0.036	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,2,3-Trichlorobenzene	0.14	U *	0.14	0.047	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,2,4-Trichlorobenzene	0.14	U	0.14	0.037	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,2,4-Trimethylbenzene	9.4		0.14	0.031	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,2-Dibromo-3-Chloropropane	0.14	U	0.14	0.029	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,2-Dichlorobenzene	0.14	U	0.14	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,2-Dichloroethane	0.14	U	0.14	0.034	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,2-Dichloropropane	0.14	U	0.14	0.024	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,3,5-Trimethylbenzene	3.1		0.14	0.034	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,3-Dichlorobenzene	0.14	U	0.14	0.045	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
1,4-Dichlorobenzene	0.14	U	0.14	0.045	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
2-Butanone (MEK)	0.68	U	0.68	0.30	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
2-Hexanone	0.68	U *	0.68	0.15	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
4-Methyl-2-pentanone (MIBK)	0.55	J	0.68	0.18	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Acetone	0.68	U	0.68	0.60	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Benzene	0.039	J	0.14	0.027	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Bromoform	0.14	U	0.14	0.024	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Bromomethane	0.14	U	0.14	0.075	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-21D

Lab Sample ID: 460-343760-4

Date Collected: 01/22/26 10:45

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.14	U	0.14	0.091	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Carbon tetrachloride	0.14	U	0.14	0.045	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Chlorobenzene	0.14	U	0.14	0.033	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Chlorobromomethane	0.14	U	0.14	0.041	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Chlorodibromomethane	0.14	U	0.14	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Chloroethane	0.14	U	0.14	0.050	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Chloroform	0.14	U	0.14	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Chloromethane	0.14	U	0.14	0.054	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
cis-1,2-Dichloroethene	0.14	U	0.14	0.035	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
cis-1,3-Dichloropropene	0.14	U	0.14	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Cyclohexane	0.14	U	0.14	0.035	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Dichlorobromomethane	0.14	U	0.14	0.020	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Dichlorodifluoromethane	0.14	U	0.14	0.042	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Ethylbenzene	2.9		0.14	0.041	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Ethylene Dibromide	0.14	U	0.14	0.026	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Isopropylbenzene	0.74		0.14	0.043	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Methyl acetate	0.68	U	0.68	0.11	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Methyl tert-butyl ether	0.14	U	0.14	0.029	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Methylcyclohexane	1.9		0.14	0.098	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Methylene Chloride	0.14	U	0.14	0.028	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
m-Xylene & p-Xylene	13		0.14	0.038	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
n-Butylbenzene	2.6		0.14	0.037	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
N-Propylbenzene	2.3		0.14	0.039	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
o-Xylene	6.7		0.14	0.043	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
sec-Butylbenzene	1.8		0.14	0.042	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Styrene	0.14	U	0.14	0.023	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
tert-Butylbenzene	0.076	J	0.14	0.038	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Tetrachloroethene	0.14	U	0.14	0.049	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Toluene	0.68		0.14	0.034	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
trans-1,2-Dichloroethene	0.14	U	0.14	0.024	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
trans-1,3-Dichloropropene	0.14	U	0.14	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Trichloroethene	0.14	U	0.14	0.030	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Trichlorofluoromethane	0.14	U	0.14	0.043	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Vinyl chloride	0.14	U	0.14	0.027	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50
Xylenes, Total	20		0.27	0.038	mg/Kg	✱	01/23/26 12:45	01/30/26 12:57	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		60 - 150	01/23/26 12:45	01/30/26 12:57	50
4-Bromofluorobenzene	94		70 - 150	01/23/26 12:45	01/30/26 12:57	50
Dibromofluoromethane (Surr)	101		68 - 150	01/23/26 12:45	01/30/26 12:57	50
Toluene-d8 (Surr)	102		64 - 157	01/23/26 12:45	01/30/26 12:57	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	6.6		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	93.4		1.0	1.0	%			01/23/26 16:24	1

Eurofins Edison

Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-22A

Lab Sample ID: 460-343760-5

Date Collected: 01/22/26 11:00

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 98.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.13	U	0.13	0.037	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,1,1,2,2-Tetrachloroethane	0.13	U	0.13	0.026	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,1,1,2-Trichloro-1,2,2-trifluoroethane	0.13	U	0.13	0.044	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,1,2-Trichloroethane	0.13	U	0.13	0.027	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,1-Dichloroethane	0.13	U	0.13	0.031	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,1-Dichloroethene	0.13	U	0.13	0.034	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,2,3-Trichlorobenzene	0.13	U *	0.13	0.046	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,2,4-Trichlorobenzene	0.13	U	0.13	0.035	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,2,4-Trimethylbenzene	51		0.13	0.030	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,2-Dibromo-3-Chloropropane	0.13	U	0.13	0.028	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,2-Dichlorobenzene	0.13	U	0.13	0.029	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,2-Dichloroethane	0.13	U	0.13	0.033	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,2-Dichloropropane	0.13	U	0.13	0.024	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,3,5-Trimethylbenzene	16		0.13	0.033	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,3-Dichlorobenzene	0.13	U	0.13	0.043	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
1,4-Dichlorobenzene	0.13	U	0.13	0.044	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
2-Butanone (MEK)	0.65	U	0.65	0.29	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
2-Hexanone	0.65	U	0.65	0.15	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
4-Methyl-2-pentanone (MIBK)	0.65	U	0.65	0.17	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Acetone	0.65	U	0.65	0.58	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Benzene	0.080	J	0.13	0.026	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Bromoform	0.13	U	0.13	0.024	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Bromomethane	0.13	U	0.13	0.072	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Carbon disulfide	0.13	U	0.13	0.088	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Carbon tetrachloride	0.13	U	0.13	0.043	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Chlorobenzene	0.13	U	0.13	0.031	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Chlorobromomethane	0.13	U	0.13	0.039	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Chlorodibromomethane	0.13	U	0.13	0.029	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Chloroethane	0.13	U	0.13	0.048	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Chloroform	0.13	U	0.13	0.029	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Chloromethane	0.13	U	0.13	0.052	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
cis-1,2-Dichloroethene	0.13	U	0.13	0.034	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
cis-1,3-Dichloropropene	0.13	U	0.13	0.029	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Cyclohexane	0.13	U	0.13	0.034	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Dichlorobromomethane	0.13	U	0.13	0.020	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Dichlorodifluoromethane	0.13	U	0.13	0.040	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Ethylbenzene	6.4		0.13	0.039	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Ethylene Dibromide	0.13	U	0.13	0.025	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Isopropylbenzene	1.4		0.13	0.042	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Methyl acetate	0.65	U	0.65	0.10	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Methyl tert-butyl ether	0.13	U	0.13	0.028	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Methylcyclohexane	1.1		0.13	0.095	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Methylene Chloride	0.13	U	0.13	0.027	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
m-Xylene & p-Xylene	26		0.13	0.037	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
n-Butylbenzene	4.0		0.13	0.035	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
N-Propylbenzene	6.7		0.13	0.038	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
o-Xylene	12		0.13	0.042	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
sec-Butylbenzene	1.2		0.13	0.040	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Styrene	0.13	U	0.13	0.022	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-22A

Lab Sample ID: 460-343760-5

Date Collected: 01/22/26 11:00

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 98.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.13	U	0.13	0.037	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Tetrachloroethene	0.13	U	0.13	0.047	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Toluene	3.3		0.13	0.033	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
trans-1,2-Dichloroethene	0.13	U	0.13	0.024	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
trans-1,3-Dichloropropene	0.13	U	0.13	0.029	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Trichloroethene	0.13	U	0.13	0.029	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Trichlorofluoromethane	0.13	U	0.13	0.042	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Vinyl chloride	0.13	U	0.13	0.026	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50
Xylenes, Total	38		0.26	0.037	mg/Kg	✱	01/23/26 12:45	01/31/26 07:39	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		60 - 150	01/23/26 12:45	01/31/26 07:39	50
4-Bromofluorobenzene	70		70 - 150	01/23/26 12:45	01/31/26 07:39	50
Dibromofluoromethane (Surr)	82		68 - 150	01/23/26 12:45	01/31/26 07:39	50
Toluene-d8 (Surr)	71		64 - 157	01/23/26 12:45	01/31/26 07:39	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	1.5		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	98.5		1.0	1.0	%			01/23/26 16:24	1

Client Sample ID: ISS-22B

Lab Sample ID: 460-343760-6

Date Collected: 01/22/26 11:05

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 96.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.094	U	0.094	0.026	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,1,2,2-Tetrachloroethane	0.094	U	0.094	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.094	U	0.094	0.032	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,1,2-Trichloroethane	0.094	U	0.094	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,1-Dichloroethane	0.094	U	0.094	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,1-Dichloroethene	0.094	U	0.094	0.025	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,2,3-Trichlorobenzene	0.094	U *	0.094	0.033	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,2,4-Trichlorobenzene	0.094	U	0.094	0.025	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,2,4-Trimethylbenzene	2.3		0.094	0.022	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,2-Dibromo-3-Chloropropane	0.094	U	0.094	0.020	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,2-Dichlorobenzene	0.094	U	0.094	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,2-Dichloroethane	0.094	U	0.094	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,2-Dichloropropane	0.094	U	0.094	0.017	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,3,5-Trimethylbenzene	0.89		0.094	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,3-Dichlorobenzene	0.094	U	0.094	0.031	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
1,4-Dichlorobenzene	0.094	U	0.094	0.031	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
2-Butanone (MEK)	0.47	U	0.47	0.21	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
2-Hexanone	0.47	U *	0.47	0.11	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
4-Methyl-2-pentanone (MIBK)	0.47	U	0.47	0.12	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Acetone	0.47	U	0.47	0.42	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Benzene	0.094	U	0.094	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Bromoform	0.094	U	0.094	0.017	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Bromomethane	0.094	U	0.094	0.052	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-22B

Lab Sample ID: 460-343760-6

Date Collected: 01/22/26 11:05

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 96.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.094	U	0.094	0.064	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Carbon tetrachloride	0.094	U	0.094	0.031	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Chlorobenzene	0.094	U	0.094	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Chlorobromomethane	0.094	U	0.094	0.028	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Chlorodibromomethane	0.094	U	0.094	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Chloroethane	0.094	U	0.094	0.035	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Chloroform	0.094	U	0.094	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Chloromethane	0.094	U	0.094	0.038	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
cis-1,2-Dichloroethene	0.094	U	0.094	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
cis-1,3-Dichloropropene	0.094	U	0.094	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Cyclohexane	0.094	U	0.094	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Dichlorobromomethane	0.094	U	0.094	0.014	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Dichlorodifluoromethane	0.094	U	0.094	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Ethylbenzene	0.56		0.094	0.028	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Ethylene Dibromide	0.094	U	0.094	0.018	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Isopropylbenzene	0.43		0.094	0.030	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Methyl acetate	0.47	U	0.47	0.074	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Methyl tert-butyl ether	0.094	U	0.094	0.020	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Methylcyclohexane	0.52		0.094	0.068	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Methylene Chloride	0.094	U	0.094	0.020	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
m-Xylene & p-Xylene	1.5		0.094	0.026	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
n-Butylbenzene	2.0		0.094	0.025	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
N-Propylbenzene	1.5		0.094	0.027	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
o-Xylene	0.75		0.094	0.030	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
sec-Butylbenzene	1.3		0.094	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Styrene	0.094	U	0.094	0.016	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
tert-Butylbenzene	0.063	J	0.094	0.026	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Tetrachloroethene	0.094	U	0.094	0.034	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Toluene	0.11		0.094	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
trans-1,2-Dichloroethene	0.094	U	0.094	0.017	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
trans-1,3-Dichloropropene	0.094	U	0.094	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Trichloroethene	0.094	U	0.094	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Trichlorofluoromethane	0.094	U	0.094	0.030	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Vinyl chloride	0.094	U	0.094	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50
Xylenes, Total	2.3		0.19	0.026	mg/Kg	✱	01/23/26 12:46	01/30/26 13:21	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		60 - 150	01/23/26 12:46	01/30/26 13:21	50
4-Bromofluorobenzene	83		70 - 150	01/23/26 12:46	01/30/26 13:21	50
Dibromofluoromethane (Surr)	91		68 - 150	01/23/26 12:46	01/30/26 13:21	50
Toluene-d8 (Surr)	88		64 - 157	01/23/26 12:46	01/30/26 13:21	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.4		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	96.6		1.0	1.0	%			01/23/26 16:24	1

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-22C

Lab Sample ID: 460-343760-7

Date Collected: 01/22/26 11:10

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.30	U	0.30	0.083	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,1,1,2,2-Tetrachloroethane	0.30	U	0.30	0.058	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,1,1,2-Trichloro-1,2,2-trifluoroethane	0.30	U	0.30	0.10	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,1,2-Trichloroethane	0.30	U	0.30	0.060	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,1-Dichloroethane	0.30	U	0.30	0.071	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,1-Dichloroethene	0.30	U	0.30	0.078	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,2,3-Trichlorobenzene	0.30	U *	0.30	0.10	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,2,4-Trichlorobenzene	0.30	U	0.30	0.080	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,2,4-Trimethylbenzene	110		0.30	0.068	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,2-Dibromo-3-Chloropropane	0.30	U	0.30	0.063	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,2-Dichlorobenzene	0.30	U	0.30	0.065	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,2-Dichloroethane	0.30	U	0.30	0.074	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,2-Dichloropropane	0.30	U	0.30	0.053	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,3,5-Trimethylbenzene	31		0.30	0.074	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,3-Dichlorobenzene	0.30	U	0.30	0.097	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
1,4-Dichlorobenzene	0.30	U	0.30	0.099	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
2-Butanone (MEK)	1.5	U	1.5	0.65	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
2-Hexanone	1.5	U	1.5	0.34	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
4-Methyl-2-pentanone (MIBK)	1.5	U	1.5	0.38	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Acetone	1.5	U	1.5	1.3	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Benzene	0.098	J	0.30	0.060	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Bromoform	0.30	U	0.30	0.053	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Bromomethane	0.30	U	0.30	0.16	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Carbon disulfide	0.30	U	0.30	0.20	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Carbon tetrachloride	0.30	U	0.30	0.097	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Chlorobenzene	0.30	U	0.30	0.071	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Chlorobromomethane	0.30	U	0.30	0.089	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Chlorodibromomethane	0.30	U	0.30	0.065	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Chloroethane	0.30	U	0.30	0.11	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Chloroform	0.30	U	0.30	0.065	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Chloromethane	0.30	U	0.30	0.12	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
cis-1,2-Dichloroethene	0.30	U	0.30	0.077	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
cis-1,3-Dichloropropene	0.30	U	0.30	0.066	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Cyclohexane	0.30	U	0.30	0.077	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Dichlorobromomethane	0.30	U	0.30	0.044	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Dichlorodifluoromethane	0.30	U	0.30	0.091	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Ethylbenzene	12		0.30	0.089	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Ethylene Dibromide	0.30	U	0.30	0.056	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Isopropylbenzene	3.0		0.30	0.094	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Methyl acetate	1.5	U	1.5	0.23	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Methyl tert-butyl ether	0.30	U	0.30	0.063	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Methylcyclohexane	9.6		0.30	0.21	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Methylene Chloride	0.30	U	0.30	0.062	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
m-Xylene & p-Xylene	48		0.30	0.083	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
n-Butylbenzene	9.8		0.30	0.080	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
N-Propylbenzene	15		0.30	0.086	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
o-Xylene	19		0.30	0.094	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
sec-Butylbenzene	2.9		0.30	0.091	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Styrene	0.30	U	0.30	0.050	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-22C

Lab Sample ID: 460-343760-7

Date Collected: 01/22/26 11:10

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.30	U	0.30	0.083	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Tetrachloroethene	0.30	U	0.30	0.11	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Toluene	4.6		0.30	0.074	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
trans-1,2-Dichloroethene	0.30	U	0.30	0.053	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
trans-1,3-Dichloropropene	0.30	U	0.30	0.066	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Trichloroethene	0.30	U	0.30	0.065	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Trichlorofluoromethane	0.30	U	0.30	0.094	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Vinyl chloride	0.30	U	0.30	0.059	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Xylenes, Total	67		0.59	0.083	mg/Kg	✱	01/23/26 12:46	01/31/26 08:03	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		60 - 150				01/23/26 12:46	01/31/26 08:03	100
4-Bromofluorobenzene	72		70 - 150				01/23/26 12:46	01/31/26 08:03	100
Dibromofluoromethane (Surr)	79		68 - 150				01/23/26 12:46	01/31/26 08:03	100
Toluene-d8 (Surr)	70		64 - 157				01/23/26 12:46	01/31/26 08:03	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.4		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	97.6		1.0	1.0	%			01/23/26 16:24	1

Client Sample ID: ISS-23A

Lab Sample ID: 460-343760-8

Date Collected: 01/22/26 11:30

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.086	U	0.086	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,1,2,2-Tetrachloroethane	0.086	U	0.086	0.017	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.086	U	0.086	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,1,2-Trichloroethane	0.086	U	0.086	0.017	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,1-Dichloroethane	0.086	U	0.086	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,1-Dichloroethene	0.086	U	0.086	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,2,3-Trichlorobenzene	0.086	U *	0.086	0.030	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,2,4-Trichlorobenzene	0.086	U	0.086	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,2,4-Trimethylbenzene	0.95		0.086	0.020	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,2-Dibromo-3-Chloropropane	0.086	U	0.086	0.018	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,2-Dichlorobenzene	0.086	U	0.086	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,2-Dichloroethane	0.086	U	0.086	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,2-Dichloropropane	0.086	U	0.086	0.015	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,3,5-Trimethylbenzene	0.15		0.086	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,3-Dichlorobenzene	0.086	U	0.086	0.028	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
1,4-Dichlorobenzene	0.086	U	0.086	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
2-Butanone (MEK)	0.43	U	0.43	0.19	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
2-Hexanone	0.43	U *	0.43	0.097	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
4-Methyl-2-pentanone (MIBK)	0.43	U	0.43	0.11	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Acetone	0.43	U	0.43	0.38	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Benzene	0.086	U	0.086	0.017	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Bromoform	0.086	U	0.086	0.015	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Bromomethane	0.086	U	0.086	0.047	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-23A

Lab Sample ID: 460-343760-8

Date Collected: 01/22/26 11:30

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.086	U	0.086	0.058	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Carbon tetrachloride	0.086	U	0.086	0.028	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Chlorobenzene	0.086	U	0.086	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Chlorobromomethane	0.086	U	0.086	0.026	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Chlorodibromomethane	0.086	U	0.086	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Chloroethane	0.086	U	0.086	0.032	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Chloroform	0.086	U	0.086	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Chloromethane	0.086	U	0.086	0.034	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
cis-1,2-Dichloroethene	0.086	U	0.086	0.022	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
cis-1,3-Dichloropropene	0.086	U	0.086	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Cyclohexane	0.086	U	0.086	0.022	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Dichlorobromomethane	0.086	U	0.086	0.013	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Dichlorodifluoromethane	0.086	U	0.086	0.027	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Ethylbenzene	0.17		0.086	0.026	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Ethylene Dibromide	0.086	U	0.086	0.016	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Isopropylbenzene	0.44		0.086	0.027	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Methyl acetate	0.43	U	0.43	0.067	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Methyl tert-butyl ether	0.086	U	0.086	0.018	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Methylcyclohexane	0.52		0.086	0.062	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Methylene Chloride	0.086	U	0.086	0.018	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
m-Xylene & p-Xylene	0.53		0.086	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
n-Butylbenzene	1.7		0.086	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
N-Propylbenzene	1.1		0.086	0.025	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
o-Xylene	0.24		0.086	0.027	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
sec-Butylbenzene	1.7		0.086	0.027	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Styrene	0.086	U	0.086	0.015	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
tert-Butylbenzene	0.065	J	0.086	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Tetrachloroethene	0.086	U	0.086	0.031	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Toluene	0.13		0.086	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
trans-1,2-Dichloroethene	0.086	U	0.086	0.015	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
trans-1,3-Dichloropropene	0.086	U	0.086	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Trichloroethene	0.086	U	0.086	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Trichlorofluoromethane	0.086	U	0.086	0.027	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Vinyl chloride	0.086	U	0.086	0.017	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50
Xylenes, Total	0.76		0.17	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 13:45	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		60 - 150	01/23/26 12:46	01/30/26 13:45	50
4-Bromofluorobenzene	92		70 - 150	01/23/26 12:46	01/30/26 13:45	50
Dibromofluoromethane (Surr)	102		68 - 150	01/23/26 12:46	01/30/26 13:45	50
Toluene-d8 (Surr)	97		64 - 157	01/23/26 12:46	01/30/26 13:45	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.8		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	97.2		1.0	1.0	%			01/23/26 16:24	1

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-23B

Lab Sample ID: 460-343760-9

Date Collected: 01/22/26 11:35

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 98.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.11	U	0.11	0.031	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,1,2,2-Tetrachloroethane	0.11	U	0.11	0.022	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U	0.11	0.038	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,1,2-Trichloroethane	0.11	U	0.11	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,1-Dichloroethane	0.11	U	0.11	0.027	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,1-Dichloroethene	0.11	U	0.11	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,2,3-Trichlorobenzene	0.11	U *	0.11	0.039	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,2,4-Trichlorobenzene	0.11	U	0.11	0.030	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,2,4-Trimethylbenzene	0.30		0.11	0.026	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,2-Dibromo-3-Chloropropane	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,2-Dichlorobenzene	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,2-Dichloroethane	0.11	U	0.11	0.028	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,2-Dichloropropane	0.11	U	0.11	0.020	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,3,5-Trimethylbenzene	0.12		0.11	0.028	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,3-Dichlorobenzene	0.11	U	0.11	0.037	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
1,4-Dichlorobenzene	0.11	U	0.11	0.037	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
2-Butanone (MEK)	0.55	U	0.55	0.24	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
2-Hexanone	0.55	U *	0.55	0.13	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
4-Methyl-2-pentanone (MIBK)	0.55	U	0.55	0.14	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Acetone	0.55	U	0.55	0.49	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Benzene	0.11	U	0.11	0.022	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Bromoform	0.11	U	0.11	0.020	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Bromomethane	0.11	U	0.11	0.061	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Carbon disulfide	0.11	U	0.11	0.075	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Carbon tetrachloride	0.11	U	0.11	0.037	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Chlorobenzene	0.11	U	0.11	0.027	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Chlorobromomethane	0.11	U	0.11	0.033	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Chlorodibromomethane	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Chloroethane	0.11	U	0.11	0.041	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Chloroform	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Chloromethane	0.11	U	0.11	0.045	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
cis-1,2-Dichloroethene	0.11	U	0.11	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
cis-1,3-Dichloropropene	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Cyclohexane	0.11	U	0.11	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Dichlorobromomethane	0.11	U	0.11	0.017	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Dichlorodifluoromethane	0.11	U	0.11	0.034	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Ethylbenzene	0.038	J	0.11	0.033	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Ethylene Dibromide	0.11	U	0.11	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Isopropylbenzene	0.25		0.11	0.035	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Methyl acetate	0.55	U	0.55	0.087	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Methyl tert-butyl ether	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Methylcyclohexane	0.28		0.11	0.081	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Methylene Chloride	0.11	U	0.11	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
m-Xylene & p-Xylene	0.16		0.11	0.031	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
n-Butylbenzene	1.7		0.11	0.030	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
N-Propylbenzene	0.76		0.11	0.032	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
o-Xylene	0.089	J	0.11	0.035	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
sec-Butylbenzene	1.5		0.11	0.034	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Styrene	0.11	U	0.11	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-23B

Lab Sample ID: 460-343760-9

Date Collected: 01/22/26 11:35

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 98.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.056	J	0.11	0.031	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Tetrachloroethene	0.11	U	0.11	0.040	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Toluene	0.11	U	0.11	0.028	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
trans-1,2-Dichloroethene	0.11	U	0.11	0.020	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
trans-1,3-Dichloropropene	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Trichloroethene	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Trichlorofluoromethane	0.11	U	0.11	0.035	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Vinyl chloride	0.11	U	0.11	0.022	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Xylenes, Total	0.25		0.22	0.031	mg/Kg	✱	01/23/26 12:46	01/30/26 14:09	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		60 - 150				01/23/26 12:46	01/30/26 14:09	50
4-Bromofluorobenzene	88		70 - 150				01/23/26 12:46	01/30/26 14:09	50
Dibromofluoromethane (Surr)	98		68 - 150				01/23/26 12:46	01/30/26 14:09	50
Toluene-d8 (Surr)	94		64 - 157				01/23/26 12:46	01/30/26 14:09	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	1.4		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	98.6		1.0	1.0	%			01/23/26 16:24	1

Client Sample ID: ISS-23C

Lab Sample ID: 460-343760-10

Date Collected: 01/22/26 11:40

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 95.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.10	U	0.10	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,1,2,2-Tetrachloroethane	0.10	U	0.10	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.10	U	0.10	0.036	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,1,2-Trichloroethane	0.10	U	0.10	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,1-Dichloroethane	0.10	U	0.10	0.025	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,1-Dichloroethene	0.10	U	0.10	0.028	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,2,3-Trichlorobenzene	0.10	U *	0.10	0.037	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,2,4-Trichlorobenzene	0.10	U	0.10	0.028	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,2,4-Trimethylbenzene	2.2		0.10	0.024	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,2-Dibromo-3-Chloropropane	0.10	U	0.10	0.022	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,2-Dichlorobenzene	0.10	U	0.10	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,2-Dichloroethane	0.10	U	0.10	0.026	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,2-Dichloropropane	0.10	U	0.10	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,3,5-Trimethylbenzene	0.72		0.10	0.026	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,3-Dichlorobenzene	0.10	U	0.10	0.035	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
1,4-Dichlorobenzene	0.10	U	0.10	0.035	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
2-Butanone (MEK)	0.52	U	0.52	0.23	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
2-Hexanone	0.52	U *	0.52	0.12	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
4-Methyl-2-pentanone (MIBK)	0.52	U	0.52	0.14	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Acetone	0.52	U	0.52	0.46	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Benzene	0.47		0.10	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Bromoform	0.10	U	0.10	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Bromomethane	0.10	U	0.10	0.058	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-23C

Lab Sample ID: 460-343760-10

Date Collected: 01/22/26 11:40

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 95.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.10	U	0.10	0.071	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Carbon tetrachloride	0.10	U	0.10	0.035	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Chlorobenzene	0.10	U	0.10	0.025	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Chlorobromomethane	0.10	U	0.10	0.031	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Chlorodibromomethane	0.10	U	0.10	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Chloroethane	0.10	U	0.10	0.039	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Chloroform	0.10	U	0.10	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Chloromethane	0.10	U	0.10	0.042	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
cis-1,2-Dichloroethene	0.10	U	0.10	0.027	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
cis-1,3-Dichloropropene	0.10	U	0.10	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Cyclohexane	0.53		0.10	0.027	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Dichlorobromomethane	0.10	U	0.10	0.016	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Dichlorodifluoromethane	0.10	U	0.10	0.032	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Ethylbenzene	1.5		0.10	0.031	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Ethylene Dibromide	0.10	U	0.10	0.020	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Isopropylbenzene	1.2		0.10	0.033	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Methyl acetate	0.52	U	0.52	0.082	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Methyl tert-butyl ether	0.10	U	0.10	0.022	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Methylcyclohexane	2.9		0.10	0.076	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Methylene Chloride	0.10	U	0.10	0.022	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
m-Xylene & p-Xylene	4.0		0.10	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
n-Butylbenzene	3.3		0.10	0.028	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
N-Propylbenzene	2.8		0.10	0.030	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
o-Xylene	1.3		0.10	0.033	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
sec-Butylbenzene	3.3		0.10	0.032	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Styrene	0.10	U	0.10	0.018	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
tert-Butylbenzene	0.12		0.10	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Tetrachloroethene	0.10	U	0.10	0.038	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Toluene	4.5		0.10	0.026	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
trans-1,2-Dichloroethene	0.10	U	0.10	0.019	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
trans-1,3-Dichloropropene	0.10	U	0.10	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Trichloroethene	0.10	U	0.10	0.023	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Trichlorofluoromethane	0.10	U	0.10	0.033	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Vinyl chloride	0.10	U	0.10	0.021	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50
Xylenes, Total	5.3		0.21	0.029	mg/Kg	✱	01/23/26 12:46	01/30/26 14:32	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		60 - 150	01/23/26 12:46	01/30/26 14:32	50
4-Bromofluorobenzene	94		70 - 150	01/23/26 12:46	01/30/26 14:32	50
Dibromofluoromethane (Surr)	101		68 - 150	01/23/26 12:46	01/30/26 14:32	50
Toluene-d8 (Surr)	100		64 - 157	01/23/26 12:46	01/30/26 14:32	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	4.6		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	95.4		1.0	1.0	%			01/23/26 16:24	1

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-24A

Lab Sample ID: 460-343760-11

Date Collected: 01/22/26 11:50

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.13	U	0.13	0.036	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,1,1,2,2-Tetrachloroethane	0.13	U	0.13	0.026	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,1,1,2-Trichloro-1,2,2-trifluoroethane	0.13	U	0.13	0.044	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,1,2-Trichloroethane	0.13	U	0.13	0.026	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,1-Dichloroethane	0.13	U	0.13	0.031	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,1-Dichloroethene	0.13	U	0.13	0.034	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,2,3-Trichlorobenzene	0.13	U *	0.13	0.045	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,2,4-Trichlorobenzene	0.13	U	0.13	0.035	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,2,4-Trimethylbenzene	2.7		0.13	0.030	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,2-Dibromo-3-Chloropropane	0.13	U	0.13	0.027	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,2-Dichlorobenzene	0.13	U	0.13	0.028	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,2-Dichloroethane	0.13	U	0.13	0.032	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,2-Dichloropropane	0.13	U	0.13	0.023	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,3,5-Trimethylbenzene	0.97		0.13	0.032	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,3-Dichlorobenzene	0.13	U	0.13	0.043	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
1,4-Dichlorobenzene	0.13	U	0.13	0.043	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
2-Butanone (MEK)	0.65	U	0.65	0.28	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
2-Hexanone	0.65	U *	0.65	0.15	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
4-Methyl-2-pentanone (MIBK)	0.65	U	0.65	0.17	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Acetone	0.65	U	0.65	0.57	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Benzene	0.13	U	0.13	0.026	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Bromoform	0.13	U	0.13	0.023	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Bromomethane	0.13	U	0.13	0.072	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Carbon disulfide	0.13	U	0.13	0.087	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Carbon tetrachloride	0.13	U	0.13	0.043	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Chlorobenzene	0.13	U	0.13	0.031	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Chlorobromomethane	0.13	U	0.13	0.039	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Chlorodibromomethane	0.13	U	0.13	0.028	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Chloroethane	0.13	U	0.13	0.048	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Chloroform	0.13	U	0.13	0.028	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Chloromethane	0.13	U	0.13	0.052	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
cis-1,2-Dichloroethene	0.13	U	0.13	0.034	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
cis-1,3-Dichloropropene	0.13	U	0.13	0.029	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Cyclohexane	0.13	U	0.13	0.034	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Dichlorobromomethane	0.13	U	0.13	0.019	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Dichlorodifluoromethane	0.13	U	0.13	0.040	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Ethylbenzene	0.43		0.13	0.039	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Ethylene Dibromide	0.13	U	0.13	0.025	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Isopropylbenzene	0.13		0.13	0.041	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Methyl acetate	0.65	U	0.65	0.10	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Methyl tert-butyl ether	0.13	U	0.13	0.028	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Methylcyclohexane	0.70		0.13	0.094	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Methylene Chloride	0.13	U	0.13	0.027	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
m-Xylene & p-Xylene	1.8		0.13	0.036	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
n-Butylbenzene	0.65		0.13	0.035	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
N-Propylbenzene	0.49		0.13	0.037	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
o-Xylene	0.76		0.13	0.041	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
sec-Butylbenzene	0.36		0.13	0.040	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Styrene	0.13	U	0.13	0.022	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-24A

Lab Sample ID: 460-343760-11

Date Collected: 01/22/26 11:50

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.13	U	0.13	0.036	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Tetrachloroethene	0.13	U	0.13	0.046	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Toluene	0.43		0.13	0.032	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
trans-1,2-Dichloroethene	0.13	U	0.13	0.023	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
trans-1,3-Dichloropropene	0.13	U	0.13	0.029	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Trichloroethene	0.13	U	0.13	0.028	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Trichlorofluoromethane	0.13	U	0.13	0.041	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Vinyl chloride	0.13	U	0.13	0.026	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50
Xylenes, Total	2.5		0.26	0.036	mg/Kg	✱	01/23/26 12:47	01/30/26 14:56	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		60 - 150	01/23/26 12:47	01/30/26 14:56	50
4-Bromofluorobenzene	90		70 - 150	01/23/26 12:47	01/30/26 14:56	50
Dibromofluoromethane (Surr)	100		68 - 150	01/23/26 12:47	01/30/26 14:56	50
Toluene-d8 (Surr)	99		64 - 157	01/23/26 12:47	01/30/26 14:56	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.4		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	97.6		1.0	1.0	%			01/23/26 16:24	1

Client Sample ID: ISS-24B

Lab Sample ID: 460-343760-12

Date Collected: 01/22/26 11:55

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.30	U	0.30	0.083	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,1,2,2-Tetrachloroethane	0.30	U	0.30	0.059	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.30	U	0.30	0.10	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,1,2-Trichloroethane	0.30	U	0.30	0.061	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,1-Dichloroethane	0.30	U	0.30	0.071	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,1-Dichloroethene	0.30	U	0.30	0.079	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,2,3-Trichlorobenzene	0.30	U *	0.30	0.10	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,2,4-Trichlorobenzene	0.30	U	0.30	0.080	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,2,4-Trimethylbenzene	5.8		0.30	0.068	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,2-Dibromo-3-Chloropropane	0.30	U	0.30	0.063	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,2-Dichlorobenzene	0.30	U	0.30	0.066	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,2-Dichloroethane	0.30	U	0.30	0.074	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,2-Dichloropropane	0.30	U	0.30	0.054	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,3,5-Trimethylbenzene	3.0		0.30	0.074	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,3-Dichlorobenzene	0.30	U	0.30	0.098	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
1,4-Dichlorobenzene	0.30	U	0.30	0.099	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
2-Butanone (MEK)	1.5	U	1.5	0.66	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
2-Hexanone	1.5	U *	1.5	0.34	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
4-Methyl-2-pentanone (MIBK)	1.5	U	1.5	0.39	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Acetone	1.5	U	1.5	1.3	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Benzene	0.30	U	0.30	0.060	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Bromoform	0.30	U	0.30	0.054	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Bromomethane	0.30	U	0.30	0.16	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-24B

Lab Sample ID: 460-343760-12

Date Collected: 01/22/26 11:55

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.30	U	0.30	0.20	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Carbon tetrachloride	0.30	U	0.30	0.098	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Chlorobenzene	0.30	U	0.30	0.071	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Chlorobromomethane	0.30	U	0.30	0.089	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Chlorodibromomethane	0.30	U	0.30	0.066	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Chloroethane	0.30	U	0.30	0.11	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Chloroform	0.30	U	0.30	0.066	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Chloromethane	0.30	U	0.30	0.12	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
cis-1,2-Dichloroethene	0.30	U	0.30	0.077	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
cis-1,3-Dichloropropene	0.30	U	0.30	0.066	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Cyclohexane	0.30	U	0.30	0.077	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Dichlorobromomethane	0.30	U	0.30	0.045	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Dichlorodifluoromethane	0.30	U	0.30	0.092	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Ethylbenzene	1.1		0.30	0.089	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Ethylene Dibromide	0.30	U	0.30	0.057	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Isopropylbenzene	0.30		0.30	0.095	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Methyl acetate	1.5	U	1.5	0.23	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Methyl tert-butyl ether	0.30	U	0.30	0.064	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Methylcyclohexane	0.30	U	0.30	0.22	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Methylene Chloride	0.30	U	0.30	0.063	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
m-Xylene & p-Xylene	3.2		0.30	0.083	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
n-Butylbenzene	1.2		0.30	0.080	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
N-Propylbenzene	1.3		0.30	0.086	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
o-Xylene	2.5		0.30	0.095	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
sec-Butylbenzene	0.42		0.30	0.092	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Styrene	0.30	U	0.30	0.051	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
tert-Butylbenzene	0.30	U	0.30	0.083	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Tetrachloroethene	0.30	U	0.30	0.11	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Toluene	0.45		0.30	0.074	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
trans-1,2-Dichloroethene	0.30	U	0.30	0.054	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
trans-1,3-Dichloropropene	0.30	U	0.30	0.066	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Trichloroethene	0.30	U	0.30	0.066	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Trichlorofluoromethane	0.30	U	0.30	0.095	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Vinyl chloride	0.30	U	0.30	0.060	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50
Xylenes, Total	5.6		0.60	0.083	mg/Kg	✱	01/23/26 12:47	01/30/26 11:45	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		60 - 150	01/23/26 12:47	01/30/26 11:45	50
4-Bromofluorobenzene	92		70 - 150	01/23/26 12:47	01/30/26 11:45	50
Dibromofluoromethane (Surr)	107		68 - 150	01/23/26 12:47	01/30/26 11:45	50
Toluene-d8 (Surr)	104		64 - 157	01/23/26 12:47	01/30/26 11:45	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	16.3		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	83.7		1.0	1.0	%			01/23/26 16:24	1

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-24C

Lab Sample ID: 460-343760-13

Date Collected: 01/22/26 12:00

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.11	U	0.11	0.032	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,1,2,2-Tetrachloroethane	0.11	U	0.11	0.022	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.11	U	0.11	0.038	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,1,2-Trichloroethane	0.11	U	0.11	0.023	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,1-Dichloroethane	0.11	U	0.11	0.027	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,1-Dichloroethene	0.11	U	0.11	0.030	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,2,3-Trichlorobenzene	0.11	U *	0.11	0.039	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,2,4-Trichlorobenzene	0.11	U	0.11	0.030	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,2,4-Trimethylbenzene	4.9		0.11	0.026	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,2-Dibromo-3-Chloropropane	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,2-Dichlorobenzene	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,2-Dichloroethane	0.11	U	0.11	0.028	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,2-Dichloropropane	0.11	U	0.11	0.020	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,3,5-Trimethylbenzene	2.0		0.11	0.028	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,3-Dichlorobenzene	0.11	U	0.11	0.037	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
1,4-Dichlorobenzene	0.11	U	0.11	0.038	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
2-Butanone (MEK)	0.56	U	0.56	0.25	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
2-Hexanone	0.56	U *	0.56	0.13	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
4-Methyl-2-pentanone (MIBK)	0.56	U	0.56	0.15	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Acetone	0.56	U	0.56	0.50	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Benzene	0.11	U	0.11	0.023	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Bromoform	0.11	U	0.11	0.020	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Bromomethane	0.11	U	0.11	0.062	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Carbon disulfide	0.11	U	0.11	0.076	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Carbon tetrachloride	0.11	U	0.11	0.037	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Chlorobenzene	0.11	U	0.11	0.027	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Chlorobromomethane	0.11	U	0.11	0.034	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Chlorodibromomethane	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Chloroethane	0.11	U	0.11	0.042	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Chloroform	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Chloromethane	0.11	U	0.11	0.045	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
cis-1,2-Dichloroethene	0.11	U	0.11	0.029	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
cis-1,3-Dichloropropene	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Cyclohexane	0.11	U	0.11	0.029	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Dichlorobromomethane	0.11	U	0.11	0.017	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Dichlorodifluoromethane	0.11	U	0.11	0.035	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Ethylbenzene	0.31		0.11	0.034	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Ethylene Dibromide	0.11	U	0.11	0.021	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Isopropylbenzene	0.17		0.11	0.036	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Methyl acetate	0.56	U	0.56	0.088	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Methyl tert-butyl ether	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Methylcyclohexane	0.86		0.11	0.082	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Methylene Chloride	0.11	U	0.11	0.024	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
m-Xylene & p-Xylene	1.6		0.11	0.032	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
n-Butylbenzene	0.70		0.11	0.030	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
N-Propylbenzene	0.82		0.11	0.033	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
o-Xylene	0.73		0.11	0.036	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
sec-Butylbenzene	0.22		0.11	0.035	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Styrene	0.11	U	0.11	0.019	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-24C

Lab Sample ID: 460-343760-13

Date Collected: 01/22/26 12:00

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.11	U	0.11	0.032	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Tetrachloroethene	0.11	U	0.11	0.041	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Toluene	0.087	J	0.11	0.028	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
trans-1,2-Dichloroethene	0.11	U	0.11	0.020	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
trans-1,3-Dichloropropene	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Trichloroethene	0.11	U	0.11	0.025	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Trichlorofluoromethane	0.11	U	0.11	0.036	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Vinyl chloride	0.11	U	0.11	0.023	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50
Xylenes, Total	2.3		0.23	0.032	mg/Kg	✱	01/23/26 12:47	01/30/26 12:09	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		60 - 150	01/23/26 12:47	01/30/26 12:09	50
4-Bromofluorobenzene	96		70 - 150	01/23/26 12:47	01/30/26 12:09	50
Dibromofluoromethane (Surr)	104		68 - 150	01/23/26 12:47	01/30/26 12:09	50
Toluene-d8 (Surr)	103		64 - 157	01/23/26 12:47	01/30/26 12:09	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	5.6		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	94.4		1.0	1.0	%			01/23/26 16:24	1

Client Sample ID: ISS-24D

Lab Sample ID: 460-343760-14

Date Collected: 01/22/26 12:05

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.096	U	0.096	0.027	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,1,2,2-Tetrachloroethane	0.096	U	0.096	0.019	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.096	U	0.096	0.033	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,1,2-Trichloroethane	0.096	U	0.096	0.020	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,1-Dichloroethane	0.096	U	0.096	0.023	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,1-Dichloroethene	0.096	U	0.096	0.025	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,2,3-Trichlorobenzene	0.096	U *	0.096	0.034	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,2,4-Trichlorobenzene	0.096	U	0.096	0.026	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,2,4-Trimethylbenzene	0.87		0.096	0.022	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,2-Dibromo-3-Chloropropane	0.096	U	0.096	0.020	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,2-Dichlorobenzene	0.096	U	0.096	0.021	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,2-Dichloroethane	0.096	U	0.096	0.024	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,2-Dichloropropane	0.096	U	0.096	0.017	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,3,5-Trimethylbenzene	0.86		0.096	0.024	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,3-Dichlorobenzene	0.096	U	0.096	0.032	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
1,4-Dichlorobenzene	0.096	U	0.096	0.032	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
2-Butanone (MEK)	0.48	U	0.48	0.21	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
2-Hexanone	0.48	U *	0.48	0.11	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
4-Methyl-2-pentanone (MIBK)	0.48	U	0.48	0.12	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Acetone	0.48	U	0.48	0.42	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Benzene	0.096	U	0.096	0.019	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Bromoform	0.096	U	0.096	0.017	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Bromomethane	0.096	U	0.096	0.053	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50

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Client Sample Results

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

Job ID: 460-343760-1

Client Sample ID: ISS-24D

Lab Sample ID: 460-343760-14

Date Collected: 01/22/26 12:05

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.096	U	0.096	0.065	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Carbon tetrachloride	0.096	U	0.096	0.032	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Chlorobenzene	0.096	U	0.096	0.023	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Chlorobromomethane	0.096	U	0.096	0.029	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Chlorodibromomethane	0.096	U	0.096	0.021	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Chloroethane	0.096	U	0.096	0.035	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Chloroform	0.096	U	0.096	0.021	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Chloromethane	0.096	U	0.096	0.039	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
cis-1,2-Dichloroethene	0.096	U	0.096	0.025	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
cis-1,3-Dichloropropene	0.096	U	0.096	0.021	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Cyclohexane	0.096	U	0.096	0.025	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Dichlorobromomethane	0.096	U	0.096	0.014	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Dichlorodifluoromethane	0.096	U	0.096	0.030	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Ethylbenzene	0.070	J	0.096	0.029	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Ethylene Dibromide	0.096	U	0.096	0.018	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Isopropylbenzene	0.049	J	0.096	0.031	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Methyl acetate	0.70		0.48	0.075	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Methyl tert-butyl ether	0.096	U	0.096	0.021	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Methylcyclohexane	0.23		0.096	0.070	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Methylene Chloride	0.096	U	0.096	0.020	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
m-Xylene & p-Xylene	0.23		0.096	0.027	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
n-Butylbenzene	0.48		0.096	0.026	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
N-Propylbenzene	0.19		0.096	0.028	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
o-Xylene	0.33		0.096	0.031	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
sec-Butylbenzene	0.26		0.096	0.030	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Styrene	0.096	U	0.096	0.016	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
tert-Butylbenzene	0.096	U	0.096	0.027	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Tetrachloroethene	0.096	U	0.096	0.035	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Toluene	0.049	J	0.096	0.024	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
trans-1,2-Dichloroethene	0.096	U	0.096	0.017	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
trans-1,3-Dichloropropene	0.096	U	0.096	0.021	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Trichloroethene	0.096	U	0.096	0.021	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Trichlorofluoromethane	0.096	U	0.096	0.031	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Vinyl chloride	0.096	U	0.096	0.019	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50
Xylenes, Total	0.56		0.19	0.027	mg/Kg	✱	01/23/26 12:47	01/30/26 12:33	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		60 - 150	01/23/26 12:47	01/30/26 12:33	50
4-Bromofluorobenzene	91		70 - 150	01/23/26 12:47	01/30/26 12:33	50
Dibromofluoromethane (Surr)	102		68 - 150	01/23/26 12:47	01/30/26 12:33	50
Toluene-d8 (Surr)	96		64 - 157	01/23/26 12:47	01/30/26 12:33	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.4		1.0	1.0	%			01/23/26 16:24	1
Percent Solids (EPA Moisture)	97.6		1.0	1.0	%			01/23/26 16:24	1

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Surrogate Summary

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

Job ID: 460-343760-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (60-150)	BFB (70-150)	DBFM (68-150)	TOL (64-157)
460-343760-1	ISS-21A	72	58 *	59 *	57 *
460-343760-2	ISS-21B	118	97	112	106
460-343760-3	ISS-21C	106	89	104	97
460-343760-4	ISS-21D	108	94	101	102
460-343760-5	ISS-22A	83	70	82	71
460-343760-6	ISS-22B	92	83	91	88
460-343760-7	ISS-22C	89	72	79	70
460-343760-8	ISS-23A	103	92	102	97
460-343760-9	ISS-23B	99	88	98	94
460-343760-10	ISS-23C	104	94	101	100
460-343760-11	ISS-24A	102	90	100	99
460-343760-12	ISS-24B	111	92	107	104
460-343760-13	ISS-24C	106	96	104	103
460-343760-14	ISS-24D	104	91	102	96
LCS 460-1088083/4	Lab Control Sample	96	80	92	90
LCS 460-1088269/4	Lab Control Sample	88	79	89	89
LCSD 460-1088083/5	Lab Control Sample Dup	93	79	93	89
LCSD 460-1088269/5	Lab Control Sample Dup	92	85	90	92
MB 460-1088083/10	Method Blank	109	82	111	97
MB 460-1088269/10	Method Blank	92	80	92	87

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

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

Job ID: 460-343760-1

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

Lab Sample ID: MB 460-1088083/10

Matrix: Solid

Analysis Batch: 1088083

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	0.050	U	0.050	0.014	mg/Kg			01/30/26 10:10	50
1,1,2,2-Tetrachloroethane	0.050	U	0.050	0.0099	mg/Kg			01/30/26 10:10	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.050	U	0.050	0.017	mg/Kg			01/30/26 10:10	50
1,1,2-Trichloroethane	0.050	U	0.050	0.010	mg/Kg			01/30/26 10:10	50
1,1-Dichloroethane	0.050	U	0.050	0.012	mg/Kg			01/30/26 10:10	50
1,1-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			01/30/26 10:10	50
1,2,3-Trichlorobenzene	0.050	U	0.050	0.018	mg/Kg			01/30/26 10:10	50
1,2,4-Trichlorobenzene	0.050	U	0.050	0.014	mg/Kg			01/30/26 10:10	50
1,2,4-Trimethylbenzene	0.050	U	0.050	0.012	mg/Kg			01/30/26 10:10	50
1,2-Dibromo-3-Chloropropane	0.050	U	0.050	0.011	mg/Kg			01/30/26 10:10	50
1,2-Dichlorobenzene	0.050	U	0.050	0.011	mg/Kg			01/30/26 10:10	50
1,2-Dichloroethane	0.050	U	0.050	0.013	mg/Kg			01/30/26 10:10	50
1,2-Dichloropropane	0.050	U	0.050	0.0090	mg/Kg			01/30/26 10:10	50
1,3,5-Trimethylbenzene	0.050	U	0.050	0.013	mg/Kg			01/30/26 10:10	50
1,3-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			01/30/26 10:10	50
1,4-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			01/30/26 10:10	50
2-Butanone (MEK)	0.25	U	0.25	0.11	mg/Kg			01/30/26 10:10	50
2-Hexanone	0.25	U	0.25	0.057	mg/Kg			01/30/26 10:10	50
4-Methyl-2-pentanone (MIBK)	0.25	U	0.25	0.065	mg/Kg			01/30/26 10:10	50
Acetone	0.25	U	0.25	0.22	mg/Kg			01/30/26 10:10	50
Benzene	0.050	U	0.050	0.010	mg/Kg			01/30/26 10:10	50
Bromoform	0.050	U	0.050	0.0090	mg/Kg			01/30/26 10:10	50
Bromomethane	0.050	U	0.050	0.028	mg/Kg			01/30/26 10:10	50
Carbon disulfide	0.050	U	0.050	0.034	mg/Kg			01/30/26 10:10	50
Carbon tetrachloride	0.050	U	0.050	0.017	mg/Kg			01/30/26 10:10	50
Chlorobenzene	0.050	U	0.050	0.012	mg/Kg			01/30/26 10:10	50
Chlorobromomethane	0.050	U	0.050	0.015	mg/Kg			01/30/26 10:10	50
Chlorodibromomethane	0.050	U	0.050	0.011	mg/Kg			01/30/26 10:10	50
Chloroethane	0.050	U	0.050	0.019	mg/Kg			01/30/26 10:10	50
Chloroform	0.050	U	0.050	0.011	mg/Kg			01/30/26 10:10	50
Chloromethane	0.050	U	0.050	0.020	mg/Kg			01/30/26 10:10	50
cis-1,2-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			01/30/26 10:10	50
cis-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			01/30/26 10:10	50
Cyclohexane	0.050	U	0.050	0.013	mg/Kg			01/30/26 10:10	50
Dichlorobromomethane	0.050	U	0.050	0.0075	mg/Kg			01/30/26 10:10	50
Dichlorodifluoromethane	0.050	U	0.050	0.016	mg/Kg			01/30/26 10:10	50
Ethylbenzene	0.050	U	0.050	0.015	mg/Kg			01/30/26 10:10	50
Ethylene Dibromide	0.050	U	0.050	0.0095	mg/Kg			01/30/26 10:10	50
Isopropylbenzene	0.050	U	0.050	0.016	mg/Kg			01/30/26 10:10	50
Methyl acetate	0.25	U	0.25	0.039	mg/Kg			01/30/26 10:10	50
Methyl tert-butyl ether	0.050	U	0.050	0.011	mg/Kg			01/30/26 10:10	50
Methylcyclohexane	0.050	U	0.050	0.036	mg/Kg			01/30/26 10:10	50
Methylene Chloride	0.050	U	0.050	0.011	mg/Kg			01/30/26 10:10	50
m-Xylene & p-Xylene	0.050	U	0.050	0.014	mg/Kg			01/30/26 10:10	50
n-Butylbenzene	0.050	U	0.050	0.014	mg/Kg			01/30/26 10:10	50
N-Propylbenzene	0.050	U	0.050	0.015	mg/Kg			01/30/26 10:10	50
o-Xylene	0.050	U	0.050	0.016	mg/Kg			01/30/26 10:10	50
sec-Butylbenzene	0.050	U	0.050	0.016	mg/Kg			01/30/26 10:10	50

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QC Sample Results

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

Job ID: 460-343760-1

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

Lab Sample ID: MB 460-1088083/10

Matrix: Solid

Analysis Batch: 1088083

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.050	U	0.050	0.0085	mg/Kg			01/30/26 10:10	50
tert-Butylbenzene	0.050	U	0.050	0.014	mg/Kg			01/30/26 10:10	50
Tetrachloroethene	0.050	U	0.050	0.018	mg/Kg			01/30/26 10:10	50
Toluene	0.050	U	0.050	0.013	mg/Kg			01/30/26 10:10	50
trans-1,2-Dichloroethene	0.050	U	0.050	0.0090	mg/Kg			01/30/26 10:10	50
trans-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			01/30/26 10:10	50
Trichloroethene	0.050	U	0.050	0.011	mg/Kg			01/30/26 10:10	50
Trichlorofluoromethane	0.050	U	0.050	0.016	mg/Kg			01/30/26 10:10	50
Vinyl chloride	0.050	U	0.050	0.010	mg/Kg			01/30/26 10:10	50
Xylenes, Total	0.10	U	0.10	0.014	mg/Kg			01/30/26 10:10	50

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		60 - 150		01/30/26 10:10	50
4-Bromofluorobenzene	82		70 - 150		01/30/26 10:10	50
Dibromofluoromethane (Surr)	111		68 - 150		01/30/26 10:10	50
Toluene-d8 (Surr)	97		64 - 157		01/30/26 10:10	50

Lab Sample ID: LCS 460-1088083/4

Matrix: Solid

Analysis Batch: 1088083

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.00	1.06		mg/Kg		106	76 - 120
1,1,2,2-Tetrachloroethane	1.00	0.977		mg/Kg		98	72 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	1.18		mg/Kg		118	79 - 120
1,1,2-Trichloroethane	1.00	0.957		mg/Kg		96	80 - 120
1,1-Dichloroethane	1.00	1.01		mg/Kg		101	70 - 120
1,1-Dichloroethene	1.00	1.11		mg/Kg		111	69 - 120
1,2,3-Trichlorobenzene	1.00	1.36		mg/Kg		136	80 - 137
1,2,4-Trichlorobenzene	1.00	1.14		mg/Kg		114	80 - 134
1,2,4-Trimethylbenzene	1.00	0.977		mg/Kg		98	75 - 120
1,2-Dibromo-3-Chloropropane	1.00	0.908		mg/Kg		91	68 - 134
1,2-Dichlorobenzene	1.00	0.977		mg/Kg		98	80 - 120
1,2-Dichloroethane	1.00	1.02		mg/Kg		102	72 - 124
1,2-Dichloropropane	1.00	0.933		mg/Kg		93	74 - 120
1,3,5-Trimethylbenzene	1.00	0.968		mg/Kg		97	71 - 120
1,3-Dichlorobenzene	1.00	0.930		mg/Kg		93	80 - 120
1,4-Dichlorobenzene	1.00	0.931		mg/Kg		93	80 - 120
2-Butanone (MEK)	5.00	4.26		mg/Kg		85	64 - 121
2-Hexanone	5.00	3.81		mg/Kg		76	70 - 120
4-Methyl-2-pentanone (MIBK)	5.00	4.88		mg/Kg		98	64 - 127
Acetone	5.00	5.18		mg/Kg		104	52 - 127
Benzene	1.00	1.05		mg/Kg		105	75 - 120
Bromoform	1.00	0.809		mg/Kg		81	68 - 122
Bromomethane	1.00	1.15		mg/Kg		115	16 - 125
Carbon disulfide	1.00	1.13		mg/Kg		113	59 - 127
Carbon tetrachloride	1.00	1.07		mg/Kg		107	77 - 120
Chlorobenzene	1.00	0.928		mg/Kg		93	80 - 120

Eurofins Edison

QC Sample Results

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

Job ID: 460-343760-1

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

Lab Sample ID: LCS 460-1088083/4

Matrix: Solid

Analysis Batch: 1088083

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	1.00	0.959		mg/Kg		96	77 - 120
Chlorodibromomethane	1.00	0.916		mg/Kg		92	80 - 120
Chloroethane	1.00	1.18		mg/Kg		118	61 - 140
Chloroform	1.00	1.01		mg/Kg		101	73 - 120
Chloromethane	1.00	1.21		mg/Kg		121	42 - 136
cis-1,2-Dichloroethene	1.00	0.994		mg/Kg		99	73 - 120
cis-1,3-Dichloropropene	1.00	0.942		mg/Kg		94	79 - 120
Cyclohexane	1.00	1.08		mg/Kg		108	76 - 125
Dichlorobromomethane	1.00	0.954		mg/Kg		95	77 - 120
Dichlorodifluoromethane	1.00	1.06		mg/Kg		106	39 - 140
Ethylbenzene	1.00	0.910		mg/Kg		91	80 - 121
Ethylene Dibromide	1.00	0.929		mg/Kg		93	80 - 120
Isopropylbenzene	1.00	0.957		mg/Kg		96	74 - 125
Methyl acetate	2.00	1.83		mg/Kg		92	40 - 130
Methyl tert-butyl ether	1.00	1.07		mg/Kg		107	77 - 125
Methylcyclohexane	1.00	1.16		mg/Kg		116	75 - 127
Methylene Chloride	1.00	1.08		mg/Kg		108	73 - 120
m-Xylene & p-Xylene	1.00	0.910		mg/Kg		91	79 - 120
n-Butylbenzene	1.00	0.993		mg/Kg		99	68 - 120
N-Propylbenzene	1.00	0.956		mg/Kg		96	68 - 120
o-Xylene	1.00	0.940		mg/Kg		94	80 - 123
sec-Butylbenzene	1.00	0.950		mg/Kg		95	77 - 126
Styrene	1.00	0.891		mg/Kg		89	80 - 124
tert-Butylbenzene	1.00	0.863		mg/Kg		86	80 - 120
Tetrachloroethene	1.00	0.908		mg/Kg		91	78 - 120
Toluene	1.00	0.934		mg/Kg		93	80 - 120
trans-1,2-Dichloroethene	1.00	1.08		mg/Kg		108	70 - 120
trans-1,3-Dichloropropene	1.00	0.888		mg/Kg		89	73 - 120
Trichloroethene	1.00	0.896		mg/Kg		90	77 - 120
Trichlorofluoromethane	1.00	1.15		mg/Kg		115	61 - 143
Vinyl chloride	1.00	1.19		mg/Kg		119	50 - 131
Xylenes, Total	2.00	1.85		mg/Kg		93	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		60 - 150
4-Bromofluorobenzene	80		70 - 150
Dibromofluoromethane (Surr)	92		68 - 150
Toluene-d8 (Surr)	90		64 - 157

Lab Sample ID: LCSD 460-1088083/5

Matrix: Solid

Analysis Batch: 1088083

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.00	1.03		mg/Kg		103	76 - 120	3	30
1,1,2,2-Tetrachloroethane	1.00	0.995		mg/Kg		99	72 - 120	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	1.07		mg/Kg		107	79 - 120	10	30
1,1,2-Trichloroethane	1.00	0.933		mg/Kg		93	80 - 120	3	30

Eurofins Edison

QC Sample Results

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

Job ID: 460-343760-1

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

Lab Sample ID: LCSD 460-1088083/5

Matrix: Solid

Analysis Batch: 1088083

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	1.00	1.01		mg/Kg		101	70 - 120	1	30
1,1-Dichloroethene	1.00	1.03		mg/Kg		103	69 - 120	8	30
1,2,3-Trichlorobenzene	1.00	1.39	*	mg/Kg		139	80 - 137	2	30
1,2,4-Trichlorobenzene	1.00	1.18		mg/Kg		118	80 - 134	3	30
1,2,4-Trimethylbenzene	1.00	0.940		mg/Kg		94	75 - 120	4	30
1,2-Dibromo-3-Chloropropane	1.00	0.967		mg/Kg		97	68 - 134	6	30
1,2-Dichlorobenzene	1.00	0.969		mg/Kg		97	80 - 120	1	30
1,2-Dichloroethane	1.00	0.999		mg/Kg		100	72 - 124	2	30
1,2-Dichloropropane	1.00	0.895		mg/Kg		90	74 - 120	4	30
1,3,5-Trimethylbenzene	1.00	0.966		mg/Kg		97	71 - 120	0	30
1,3-Dichlorobenzene	1.00	0.907		mg/Kg		91	80 - 120	3	30
1,4-Dichlorobenzene	1.00	0.899		mg/Kg		90	80 - 120	3	30
2-Butanone (MEK)	5.00	4.26		mg/Kg		85	64 - 121	0	30
2-Hexanone	5.00	3.45	*	mg/Kg		69	70 - 120	10	30
4-Methyl-2-pentanone (MIBK)	5.00	4.41		mg/Kg		88	64 - 127	10	30
Acetone	5.00	4.73		mg/Kg		95	52 - 127	9	30
Benzene	1.00	1.01		mg/Kg		101	75 - 120	4	30
Bromoform	1.00	0.813		mg/Kg		81	68 - 122	1	30
Bromomethane	1.00	1.10		mg/Kg		110	16 - 125	4	30
Carbon disulfide	1.00	1.04		mg/Kg		104	59 - 127	8	30
Carbon tetrachloride	1.00	1.03		mg/Kg		103	77 - 120	4	30
Chlorobenzene	1.00	0.877		mg/Kg		88	80 - 120	6	30
Chlorobromomethane	1.00	0.949		mg/Kg		95	77 - 120	1	30
Chlorodibromomethane	1.00	0.905		mg/Kg		91	80 - 120	1	30
Chloroethane	1.00	1.09		mg/Kg		109	61 - 140	7	30
Chloroform	1.00	1.01		mg/Kg		101	73 - 120	1	30
Chloromethane	1.00	1.15		mg/Kg		115	42 - 136	5	30
cis-1,2-Dichloroethene	1.00	0.981		mg/Kg		98	73 - 120	1	30
cis-1,3-Dichloropropene	1.00	0.944		mg/Kg		94	79 - 120	0	30
Cyclohexane	1.00	1.09		mg/Kg		109	76 - 125	1	30
Dichlorobromomethane	1.00	0.948		mg/Kg		95	77 - 120	1	30
Dichlorodifluoromethane	1.00	0.959		mg/Kg		96	39 - 140	10	30
Ethylbenzene	1.00	0.901		mg/Kg		90	80 - 121	1	30
Ethylene Dibromide	1.00	0.893		mg/Kg		89	80 - 120	4	30
Isopropylbenzene	1.00	0.921		mg/Kg		92	74 - 125	4	30
Methyl acetate	2.00	1.74		mg/Kg		87	40 - 130	5	30
Methyl tert-butyl ether	1.00	1.04		mg/Kg		104	77 - 125	2	30
Methylcyclohexane	1.00	1.12		mg/Kg		112	75 - 127	4	30
Methylene Chloride	1.00	1.08		mg/Kg		108	73 - 120	0	30
m-Xylene & p-Xylene	1.00	0.880		mg/Kg		88	79 - 120	3	30
n-Butylbenzene	1.00	0.997		mg/Kg		100	68 - 120	0	30
N-Propylbenzene	1.00	0.917		mg/Kg		92	68 - 120	4	30
o-Xylene	1.00	0.887		mg/Kg		89	80 - 123	6	30
sec-Butylbenzene	1.00	0.934		mg/Kg		93	77 - 126	2	30
Styrene	1.00	0.846		mg/Kg		85	80 - 124	5	30
tert-Butylbenzene	1.00	0.872		mg/Kg		87	80 - 120	1	30
Tetrachloroethene	1.00	0.871		mg/Kg		87	78 - 120	4	30
Toluene	1.00	0.912		mg/Kg		91	80 - 120	2	30
trans-1,2-Dichloroethene	1.00	1.02		mg/Kg		102	70 - 120	6	30

Eurofins Edison

QC Sample Results

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

Job ID: 460-343760-1

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

Lab Sample ID: LCSD 460-1088083/5

Matrix: Solid

Analysis Batch: 1088083

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	1.00	0.848		mg/Kg		85	73 - 120	5	30
Trichloroethene	1.00	0.840		mg/Kg		84	77 - 120	6	30
Trichlorofluoromethane	1.00	1.12		mg/Kg		112	61 - 143	2	30
Vinyl chloride	1.00	1.14		mg/Kg		114	50 - 131	5	30
Xylenes, Total	2.00	1.77		mg/Kg		88	80 - 120	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	93		60 - 150
4-Bromofluorobenzene	79		70 - 150
Dibromofluoromethane (Surr)	93		68 - 150
Toluene-d8 (Surr)	89		64 - 157

Lab Sample ID: MB 460-1088269/10

Matrix: Solid

Analysis Batch: 1088269

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.050	U	0.050	0.014	mg/Kg			01/31/26 06:47	50
1,1,2,2-Tetrachloroethane	0.050	U	0.050	0.0099	mg/Kg			01/31/26 06:47	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.050	U	0.050	0.017	mg/Kg			01/31/26 06:47	50
1,1,2-Trichloroethane	0.050	U	0.050	0.010	mg/Kg			01/31/26 06:47	50
1,1-Dichloroethane	0.050	U	0.050	0.012	mg/Kg			01/31/26 06:47	50
1,1-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			01/31/26 06:47	50
1,2,3-Trichlorobenzene	0.050	U	0.050	0.018	mg/Kg			01/31/26 06:47	50
1,2,4-Trichlorobenzene	0.050	U	0.050	0.014	mg/Kg			01/31/26 06:47	50
1,2,4-Trimethylbenzene	0.050	U	0.050	0.012	mg/Kg			01/31/26 06:47	50
1,2-Dibromo-3-Chloropropane	0.050	U	0.050	0.011	mg/Kg			01/31/26 06:47	50
1,2-Dichlorobenzene	0.050	U	0.050	0.011	mg/Kg			01/31/26 06:47	50
1,2-Dichloroethane	0.050	U	0.050	0.013	mg/Kg			01/31/26 06:47	50
1,2-Dichloropropane	0.050	U	0.050	0.0090	mg/Kg			01/31/26 06:47	50
1,3,5-Trimethylbenzene	0.050	U	0.050	0.013	mg/Kg			01/31/26 06:47	50
1,3-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			01/31/26 06:47	50
1,4-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			01/31/26 06:47	50
2-Butanone (MEK)	0.25	U	0.25	0.11	mg/Kg			01/31/26 06:47	50
2-Hexanone	0.25	U	0.25	0.057	mg/Kg			01/31/26 06:47	50
4-Methyl-2-pentanone (MIBK)	0.25	U	0.25	0.065	mg/Kg			01/31/26 06:47	50
Acetone	0.25	U	0.25	0.22	mg/Kg			01/31/26 06:47	50
Benzene	0.050	U	0.050	0.010	mg/Kg			01/31/26 06:47	50
Bromoform	0.050	U	0.050	0.0090	mg/Kg			01/31/26 06:47	50
Bromomethane	0.050	U	0.050	0.028	mg/Kg			01/31/26 06:47	50
Carbon disulfide	0.050	U	0.050	0.034	mg/Kg			01/31/26 06:47	50
Carbon tetrachloride	0.050	U	0.050	0.017	mg/Kg			01/31/26 06:47	50
Chlorobenzene	0.050	U	0.050	0.012	mg/Kg			01/31/26 06:47	50
Chlorobromomethane	0.050	U	0.050	0.015	mg/Kg			01/31/26 06:47	50
Chlorodibromomethane	0.050	U	0.050	0.011	mg/Kg			01/31/26 06:47	50
Chloroethane	0.050	U	0.050	0.019	mg/Kg			01/31/26 06:47	50
Chloroform	0.050	U	0.050	0.011	mg/Kg			01/31/26 06:47	50
Chloromethane	0.050	U	0.050	0.020	mg/Kg			01/31/26 06:47	50

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QC Sample Results

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

Job ID: 460-343760-1

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

Lab Sample ID: MB 460-1088269/10

Matrix: Solid

Analysis Batch: 1088269

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			01/31/26 06:47	50
cis-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			01/31/26 06:47	50
Cyclohexane	0.050	U	0.050	0.013	mg/Kg			01/31/26 06:47	50
Dichlorobromomethane	0.050	U	0.050	0.0075	mg/Kg			01/31/26 06:47	50
Dichlorodifluoromethane	0.050	U	0.050	0.016	mg/Kg			01/31/26 06:47	50
Ethylbenzene	0.050	U	0.050	0.015	mg/Kg			01/31/26 06:47	50
Ethylene Dibromide	0.050	U	0.050	0.0095	mg/Kg			01/31/26 06:47	50
Isopropylbenzene	0.050	U	0.050	0.016	mg/Kg			01/31/26 06:47	50
Methyl acetate	0.25	U	0.25	0.039	mg/Kg			01/31/26 06:47	50
Methyl tert-butyl ether	0.050	U	0.050	0.011	mg/Kg			01/31/26 06:47	50
Methylcyclohexane	0.050	U	0.050	0.036	mg/Kg			01/31/26 06:47	50
Methylene Chloride	0.050	U	0.050	0.011	mg/Kg			01/31/26 06:47	50
m-Xylene & p-Xylene	0.050	U	0.050	0.014	mg/Kg			01/31/26 06:47	50
n-Butylbenzene	0.050	U	0.050	0.014	mg/Kg			01/31/26 06:47	50
N-Propylbenzene	0.050	U	0.050	0.015	mg/Kg			01/31/26 06:47	50
o-Xylene	0.050	U	0.050	0.016	mg/Kg			01/31/26 06:47	50
sec-Butylbenzene	0.050	U	0.050	0.016	mg/Kg			01/31/26 06:47	50
Styrene	0.050	U	0.050	0.0085	mg/Kg			01/31/26 06:47	50
tert-Butylbenzene	0.050	U	0.050	0.014	mg/Kg			01/31/26 06:47	50
Tetrachloroethene	0.050	U	0.050	0.018	mg/Kg			01/31/26 06:47	50
Toluene	0.050	U	0.050	0.013	mg/Kg			01/31/26 06:47	50
trans-1,2-Dichloroethene	0.050	U	0.050	0.0090	mg/Kg			01/31/26 06:47	50
trans-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			01/31/26 06:47	50
Trichloroethene	0.050	U	0.050	0.011	mg/Kg			01/31/26 06:47	50
Trichlorofluoromethane	0.050	U	0.050	0.016	mg/Kg			01/31/26 06:47	50
Vinyl chloride	0.050	U	0.050	0.010	mg/Kg			01/31/26 06:47	50
Xylenes, Total	0.10	U	0.10	0.014	mg/Kg			01/31/26 06:47	50

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		60 - 150		01/31/26 06:47	50
4-Bromofluorobenzene	80		70 - 150		01/31/26 06:47	50
Dibromofluoromethane (Surr)	92		68 - 150		01/31/26 06:47	50
Toluene-d8 (Surr)	87		64 - 157		01/31/26 06:47	50

Lab Sample ID: LCS 460-1088269/4

Matrix: Solid

Analysis Batch: 1088269

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.00	0.998		mg/Kg		100	76 - 120
1,1,1,2-Tetrachloroethane	1.00	1.04		mg/Kg		104	72 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	1.01		mg/Kg		101	79 - 120
1,1,2-Trichloroethane	1.00	0.916		mg/Kg		92	80 - 120
1,1-Dichloroethane	1.00	1.01		mg/Kg		101	70 - 120
1,1-Dichloroethene	1.00	0.933		mg/Kg		93	69 - 120
1,2,3-Trichlorobenzene	1.00	1.51	*	mg/Kg		151	80 - 137
1,2,4-Trichlorobenzene	1.00	1.26		mg/Kg		126	80 - 134
1,2,4-Trimethylbenzene	1.00	1.07		mg/Kg		107	75 - 120

Eurofins Edison

QC Sample Results

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

Job ID: 460-343760-1

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

Lab Sample ID: LCS 460-1088269/4

Matrix: Solid

Analysis Batch: 1088269

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	1.00	1.16		mg/Kg		116	68 - 134
1,2-Dichlorobenzene	1.00	1.02		mg/Kg		102	80 - 120
1,2-Dichloroethane	1.00	0.998		mg/Kg		100	72 - 124
1,2-Dichloropropane	1.00	0.930		mg/Kg		93	74 - 120
1,3,5-Trimethylbenzene	1.00	1.04		mg/Kg		104	71 - 120
1,3-Dichlorobenzene	1.00	0.963		mg/Kg		96	80 - 120
1,4-Dichlorobenzene	1.00	0.969		mg/Kg		97	80 - 120
2-Butanone (MEK)	5.00	4.48		mg/Kg		90	64 - 121
2-Hexanone	5.00	4.42		mg/Kg		88	70 - 120
4-Methyl-2-pentanone (MIBK)	5.00	4.78		mg/Kg		96	64 - 127
Acetone	5.00	4.51		mg/Kg		90	52 - 127
Benzene	1.00	0.996		mg/Kg		100	75 - 120
Bromoform	1.00	0.858		mg/Kg		86	68 - 122
Bromomethane	1.00	0.836		mg/Kg		84	16 - 125
Carbon disulfide	1.00	0.971		mg/Kg		97	59 - 127
Carbon tetrachloride	1.00	1.02		mg/Kg		102	77 - 120
Chlorobenzene	1.00	0.912		mg/Kg		91	80 - 120
Chlorobromomethane	1.00	0.958		mg/Kg		96	77 - 120
Chlorodibromomethane	1.00	0.934		mg/Kg		93	80 - 120
Chloroethane	1.00	0.796		mg/Kg		80	61 - 140
Chloroform	1.00	0.983		mg/Kg		98	73 - 120
Chloromethane	1.00	0.869		mg/Kg		87	42 - 136
cis-1,2-Dichloroethene	1.00	0.971		mg/Kg		97	73 - 120
cis-1,3-Dichloropropene	1.00	0.984		mg/Kg		98	79 - 120
Cyclohexane	1.00	0.983		mg/Kg		98	76 - 125
Dichlorobromomethane	1.00	0.937		mg/Kg		94	77 - 120
Dichlorodifluoromethane	1.00	0.948		mg/Kg		95	39 - 140
Ethylbenzene	1.00	0.897		mg/Kg		90	80 - 121
Ethylene Dibromide	1.00	0.933		mg/Kg		93	80 - 120
Isopropylbenzene	1.00	0.930		mg/Kg		93	74 - 125
Methyl acetate	2.00	1.49		mg/Kg		74	40 - 130
Methyl tert-butyl ether	1.00	1.06		mg/Kg		106	77 - 125
Methylcyclohexane	1.00	1.17		mg/Kg		117	75 - 127
Methylene Chloride	1.00	1.07		mg/Kg		107	73 - 120
m-Xylene & p-Xylene	1.00	0.919		mg/Kg		92	79 - 120
n-Butylbenzene	1.00	1.03		mg/Kg		103	68 - 120
N-Propylbenzene	1.00	1.01		mg/Kg		101	68 - 120
o-Xylene	1.00	0.955		mg/Kg		95	80 - 123
sec-Butylbenzene	1.00	1.11		mg/Kg		111	77 - 126
Styrene	1.00	0.881		mg/Kg		88	80 - 124
tert-Butylbenzene	1.00	1.04		mg/Kg		104	80 - 120
Tetrachloroethene	1.00	0.881		mg/Kg		88	78 - 120
Toluene	1.00	0.935		mg/Kg		94	80 - 120
trans-1,2-Dichloroethene	1.00	1.03		mg/Kg		103	70 - 120
trans-1,3-Dichloropropene	1.00	0.929		mg/Kg		93	73 - 120
Trichloroethene	1.00	0.883		mg/Kg		88	77 - 120
Trichlorofluoromethane	1.00	0.828		mg/Kg		83	61 - 143
Vinyl chloride	1.00	0.873		mg/Kg		87	50 - 131
Xylenes, Total	2.00	1.87		mg/Kg		94	80 - 120

Eurofins Edison

QC Sample Results

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

Job ID: 460-343760-1

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	88		60 - 150
4-Bromofluorobenzene	79		70 - 150
Dibromofluoromethane (Surr)	89		68 - 150
Toluene-d8 (Surr)	89		64 - 157

Lab Sample ID: LCSD 460-1088269/5

Matrix: Solid

Analysis Batch: 1088269

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
1,1,1-Trichloroethane	1.00	1.01		mg/Kg		101	76 - 120		1	30
1,1,2,2-Tetrachloroethane	1.00	1.06		mg/Kg		106	72 - 120		2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	0.992		mg/Kg		99	79 - 120		2	30
1,1,2-Trichloroethane	1.00	0.942		mg/Kg		94	80 - 120		3	30
1,1-Dichloroethane	1.00	0.982		mg/Kg		98	70 - 120		3	30
1,1-Dichloroethene	1.00	0.994		mg/Kg		99	69 - 120		6	30
1,2,3-Trichlorobenzene	1.00	1.59 *		mg/Kg		159	80 - 137		5	30
1,2,4-Trichlorobenzene	1.00	1.32		mg/Kg		132	80 - 134		4	30
1,2,4-Trimethylbenzene	1.00	1.07		mg/Kg		107	75 - 120		0	30
1,2-Dibromo-3-Chloropropane	1.00	1.17		mg/Kg		117	68 - 134		1	30
1,2-Dichlorobenzene	1.00	1.01		mg/Kg		101	80 - 120		1	30
1,2-Dichloroethane	1.00	1.01		mg/Kg		101	72 - 124		1	30
1,2-Dichloropropane	1.00	0.944		mg/Kg		94	74 - 120		1	30
1,3,5-Trimethylbenzene	1.00	1.04		mg/Kg		104	71 - 120		0	30
1,3-Dichlorobenzene	1.00	0.988		mg/Kg		99	80 - 120		3	30
1,4-Dichlorobenzene	1.00	0.953		mg/Kg		95	80 - 120		2	30
2-Butanone (MEK)	5.00	4.41		mg/Kg		88	64 - 121		1	30
2-Hexanone	5.00	4.38		mg/Kg		88	70 - 120		1	30
4-Methyl-2-pentanone (MIBK)	5.00	4.82		mg/Kg		96	64 - 127		1	30
Acetone	5.00	4.62		mg/Kg		92	52 - 127		3	30
Benzene	1.00	1.04		mg/Kg		104	75 - 120		4	30
Bromoform	1.00	0.881		mg/Kg		88	68 - 122		3	30
Bromomethane	1.00	0.855		mg/Kg		86	16 - 125		2	30
Carbon disulfide	1.00	1.04		mg/Kg		104	59 - 127		7	30
Carbon tetrachloride	1.00	1.02		mg/Kg		102	77 - 120		0	30
Chlorobenzene	1.00	0.932		mg/Kg		93	80 - 120		2	30
Chlorobromomethane	1.00	0.994		mg/Kg		99	77 - 120		4	30
Chlorodibromomethane	1.00	0.983		mg/Kg		98	80 - 120		5	30
Chloroethane	1.00	0.846		mg/Kg		85	61 - 140		6	30
Chloroform	1.00	0.969		mg/Kg		97	73 - 120		1	30
Chloromethane	1.00	0.880		mg/Kg		88	42 - 136		1	30
cis-1,2-Dichloroethene	1.00	0.954		mg/Kg		95	73 - 120		2	30
cis-1,3-Dichloropropene	1.00	1.03		mg/Kg		103	79 - 120		5	30
Cyclohexane	1.00	1.01		mg/Kg		101	76 - 125		2	30
Dichlorobromomethane	1.00	0.955		mg/Kg		95	77 - 120		2	30
Dichlorodifluoromethane	1.00	0.833		mg/Kg		83	39 - 140		13	30
Ethylbenzene	1.00	0.934		mg/Kg		93	80 - 121		4	30
Ethylene Dibromide	1.00	0.976		mg/Kg		98	80 - 120		5	30
Isopropylbenzene	1.00	0.958		mg/Kg		96	74 - 125		3	30
Methyl acetate	2.00	1.65		mg/Kg		83	40 - 130		11	30
Methyl tert-butyl ether	1.00	1.08		mg/Kg		108	77 - 125		1	30

Eurofins Edison

QC Sample Results

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

Job ID: 460-343760-1

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

Lab Sample ID: LCSD 460-1088269/5

Matrix: Solid

Analysis Batch: 1088269

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane	1.00	1.15		mg/Kg		115	75 - 127	1	30
Methylene Chloride	1.00	1.04		mg/Kg		104	73 - 120	2	30
m-Xylene & p-Xylene	1.00	0.946		mg/Kg		95	79 - 120	3	30
n-Butylbenzene	1.00	1.07		mg/Kg		107	68 - 120	4	30
N-Propylbenzene	1.00	0.998		mg/Kg		100	68 - 120	1	30
o-Xylene	1.00	0.970		mg/Kg		97	80 - 123	2	30
sec-Butylbenzene	1.00	1.08		mg/Kg		108	77 - 126	3	30
Styrene	1.00	0.947		mg/Kg		95	80 - 124	7	30
tert-Butylbenzene	1.00	0.987		mg/Kg		99	80 - 120	5	30
Tetrachloroethene	1.00	0.905		mg/Kg		91	78 - 120	3	30
Toluene	1.00	0.969		mg/Kg		97	80 - 120	4	30
trans-1,2-Dichloroethene	1.00	1.04		mg/Kg		104	70 - 120	1	30
trans-1,3-Dichloropropene	1.00	0.979		mg/Kg		98	73 - 120	5	30
Trichloroethene	1.00	0.905		mg/Kg		90	77 - 120	2	30
Trichlorofluoromethane	1.00	0.805		mg/Kg		81	61 - 143	3	30
Vinyl chloride	1.00	0.850		mg/Kg		85	50 - 131	3	30
Xylenes, Total	2.00	1.92		mg/Kg		96	80 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		60 - 150
4-Bromofluorobenzene	85		70 - 150
Dibromofluoromethane (Surr)	90		68 - 150
Toluene-d8 (Surr)	92		64 - 157

Method: Moisture - Percent Moisture

Lab Sample ID: 460-343760-2 DU

Matrix: Solid

Analysis Batch: 1087253

Client Sample ID: ISS-21B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12.8		11.5		%		10	20
Percent Solids	87.2		88.5		%		1	20

QC Association Summary

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

Job ID: 460-343760-1

GC/MS VOA

Prep Batch: 1087227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343760-1	ISS-21A	Total/NA	Solid	5035	
460-343760-2	ISS-21B	Total/NA	Solid	5035	
460-343760-3	ISS-21C	Total/NA	Solid	5035	
460-343760-4	ISS-21D	Total/NA	Solid	5035	
460-343760-5	ISS-22A	Total/NA	Solid	5035	
460-343760-6	ISS-22B	Total/NA	Solid	5035	
460-343760-7	ISS-22C	Total/NA	Solid	5035	
460-343760-8	ISS-23A	Total/NA	Solid	5035	
460-343760-9	ISS-23B	Total/NA	Solid	5035	
460-343760-10	ISS-23C	Total/NA	Solid	5035	
460-343760-11	ISS-24A	Total/NA	Solid	5035	
460-343760-12	ISS-24B	Total/NA	Solid	5035	
460-343760-13	ISS-24C	Total/NA	Solid	5035	
460-343760-14	ISS-24D	Total/NA	Solid	5035	

Analysis Batch: 1088083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343760-2	ISS-21B	Total/NA	Solid	8260D	1087227
460-343760-3	ISS-21C	Total/NA	Solid	8260D	1087227
460-343760-4	ISS-21D	Total/NA	Solid	8260D	1087227
460-343760-6	ISS-22B	Total/NA	Solid	8260D	1087227
460-343760-8	ISS-23A	Total/NA	Solid	8260D	1087227
460-343760-9	ISS-23B	Total/NA	Solid	8260D	1087227
460-343760-10	ISS-23C	Total/NA	Solid	8260D	1087227
460-343760-11	ISS-24A	Total/NA	Solid	8260D	1087227
460-343760-12	ISS-24B	Total/NA	Solid	8260D	1087227
460-343760-13	ISS-24C	Total/NA	Solid	8260D	1087227
460-343760-14	ISS-24D	Total/NA	Solid	8260D	1087227
MB 460-1088083/10	Method Blank	Total/NA	Solid	8260D	
LCS 460-1088083/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1088083/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1088269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343760-1	ISS-21A	Total/NA	Solid	8260D	1087227
460-343760-5	ISS-22A	Total/NA	Solid	8260D	1087227
460-343760-7	ISS-22C	Total/NA	Solid	8260D	1087227
MB 460-1088269/10	Method Blank	Total/NA	Solid	8260D	
LCS 460-1088269/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1088269/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 1087253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343760-1	ISS-21A	Total/NA	Solid	Moisture	
460-343760-2	ISS-21B	Total/NA	Solid	Moisture	
460-343760-3	ISS-21C	Total/NA	Solid	Moisture	
460-343760-4	ISS-21D	Total/NA	Solid	Moisture	
460-343760-5	ISS-22A	Total/NA	Solid	Moisture	
460-343760-6	ISS-22B	Total/NA	Solid	Moisture	

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QC Association Summary

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

Job ID: 460-343760-1

General Chemistry (Continued)

Analysis Batch: 1087253 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343760-7	ISS-22C	Total/NA	Solid	Moisture	
460-343760-8	ISS-23A	Total/NA	Solid	Moisture	
460-343760-9	ISS-23B	Total/NA	Solid	Moisture	
460-343760-10	ISS-23C	Total/NA	Solid	Moisture	
460-343760-11	ISS-24A	Total/NA	Solid	Moisture	
460-343760-12	ISS-24B	Total/NA	Solid	Moisture	
460-343760-13	ISS-24C	Total/NA	Solid	Moisture	
460-343760-14	ISS-24D	Total/NA	Solid	Moisture	
460-343760-2 DU	ISS-21B	Total/NA	Solid	Moisture	

Lab Chronicle

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

Job ID: 460-343760-1

Client Sample ID: ISS-21A

Lab Sample ID: 460-343760-1

Date Collected: 01/22/26 10:30

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:23

Client Sample ID: ISS-21A

Lab Sample ID: 460-343760-1

Date Collected: 01/22/26 10:30

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:45
Total/NA	Analysis	8260D		100	1088269	AAT	EET EDI	01/31/26 08:27

Client Sample ID: ISS-21B

Lab Sample ID: 460-343760-2

Date Collected: 01/22/26 10:35

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Client Sample ID: ISS-21B

Lab Sample ID: 460-343760-2

Date Collected: 01/22/26 10:35

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:45
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 11:22

Client Sample ID: ISS-21C

Lab Sample ID: 460-343760-3

Date Collected: 01/22/26 10:40

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Client Sample ID: ISS-21C

Lab Sample ID: 460-343760-3

Date Collected: 01/22/26 10:40

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:45
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 10:58

Client Sample ID: ISS-21D

Lab Sample ID: 460-343760-4

Date Collected: 01/22/26 10:45

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Eurofins Edison

Lab Chronicle

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

Job ID: 460-343760-1

Client Sample ID: ISS-21D

Lab Sample ID: 460-343760-4

Date Collected: 01/22/26 10:45

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:45
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 12:57

Client Sample ID: ISS-22A

Lab Sample ID: 460-343760-5

Date Collected: 01/22/26 11:00

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Client Sample ID: ISS-22A

Lab Sample ID: 460-343760-5

Date Collected: 01/22/26 11:00

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:45
Total/NA	Analysis	8260D		50	1088269	AAT	EET EDI	01/31/26 07:39

Client Sample ID: ISS-22B

Lab Sample ID: 460-343760-6

Date Collected: 01/22/26 11:05

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Client Sample ID: ISS-22B

Lab Sample ID: 460-343760-6

Date Collected: 01/22/26 11:05

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:46
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 13:21

Client Sample ID: ISS-22C

Lab Sample ID: 460-343760-7

Date Collected: 01/22/26 11:10

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Lab Chronicle

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

Job ID: 460-343760-1

Client Sample ID: ISS-22C

Lab Sample ID: 460-343760-7

Date Collected: 01/22/26 11:10

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:46
Total/NA	Analysis	8260D		100	1088269	AAT	EET EDI	01/31/26 08:03

Client Sample ID: ISS-23A

Lab Sample ID: 460-343760-8

Date Collected: 01/22/26 11:30

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Client Sample ID: ISS-23A

Lab Sample ID: 460-343760-8

Date Collected: 01/22/26 11:30

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:46
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 13:45

Client Sample ID: ISS-23B

Lab Sample ID: 460-343760-9

Date Collected: 01/22/26 11:35

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Client Sample ID: ISS-23B

Lab Sample ID: 460-343760-9

Date Collected: 01/22/26 11:35

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:46
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 14:09

Client Sample ID: ISS-23C

Lab Sample ID: 460-343760-10

Date Collected: 01/22/26 11:40

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Lab Chronicle

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

Job ID: 460-343760-1

Client Sample ID: ISS-23C

Lab Sample ID: 460-343760-10

Date Collected: 01/22/26 11:40

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:46
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 14:32

Client Sample ID: ISS-24A

Lab Sample ID: 460-343760-11

Date Collected: 01/22/26 11:50

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Client Sample ID: ISS-24A

Lab Sample ID: 460-343760-11

Date Collected: 01/22/26 11:50

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:47
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 14:56

Client Sample ID: ISS-24B

Lab Sample ID: 460-343760-12

Date Collected: 01/22/26 11:55

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Client Sample ID: ISS-24B

Lab Sample ID: 460-343760-12

Date Collected: 01/22/26 11:55

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:47
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 11:45

Client Sample ID: ISS-24C

Lab Sample ID: 460-343760-13

Date Collected: 01/22/26 12:00

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Lab Chronicle

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

Job ID: 460-343760-1

Client Sample ID: ISS-24C
Date Collected: 01/22/26 12:00
Date Received: 01/22/26 15:30

Lab Sample ID: 460-343760-13
Matrix: Solid
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:47
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 12:09

Client Sample ID: ISS-24D
Date Collected: 01/22/26 12:05
Date Received: 01/22/26 15:30

Lab Sample ID: 460-343760-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087253	CJC	EET EDI	01/23/26 16:24

Client Sample ID: ISS-24D
Date Collected: 01/22/26 12:05
Date Received: 01/22/26 15:30

Lab Sample ID: 460-343760-14
Matrix: Solid
Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1087227	JCZ	EET EDI	01/23/26 12:47
Total/NA	Analysis	8260D		50	1088083	MZS	EET EDI	01/30/26 12:33

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

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

Job ID: 460-343760-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

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

Job ID: 460-343760-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

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

Job ID: 460-343760-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
460-343760-1	ISS-21A	Solid	01/22/26 10:30	01/22/26 15:30	New York
460-343760-2	ISS-21B	Solid	01/22/26 10:35	01/22/26 15:30	New York
460-343760-3	ISS-21C	Solid	01/22/26 10:40	01/22/26 15:30	New York
460-343760-4	ISS-21D	Solid	01/22/26 10:45	01/22/26 15:30	New York
460-343760-5	ISS-22A	Solid	01/22/26 11:00	01/22/26 15:30	New York
460-343760-6	ISS-22B	Solid	01/22/26 11:05	01/22/26 15:30	New York
460-343760-7	ISS-22C	Solid	01/22/26 11:10	01/22/26 15:30	New York
460-343760-8	ISS-23A	Solid	01/22/26 11:30	01/22/26 15:30	New York
460-343760-9	ISS-23B	Solid	01/22/26 11:35	01/22/26 15:30	New York
460-343760-10	ISS-23C	Solid	01/22/26 11:40	01/22/26 15:30	New York
460-343760-11	ISS-24A	Solid	01/22/26 11:50	01/22/26 15:30	New York
460-343760-12	ISS-24B	Solid	01/22/26 11:55	01/22/26 15:30	New York
460-343760-13	ISS-24C	Solid	01/22/26 12:00	01/22/26 15:30	New York
460-343760-14	ISS-24D	Solid	01/22/26 12:05	01/22/26 15:30	New York

Chain of Custody Record

757579



Environment Testing

Address: 4101 Arthur Kill Rd
Staten Island NY

TAL-8210

343960

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☒ Other

Client Contact		Project Manager: S. COMMISSO		Site Contact: C. L. L. L. L.		Date: 1/22/26		COC No.	
Company Name: H&A of NY		Tel/Email: S. COMMISSO@hvaloyaldrich.com		Lab Contact: E. Flanagan		Carrier:		of COCs	
Address: 213 W 35th St		City/State/Zip: NY, NY 10001		Analysis Turnaround Time		Sampler: CTC			
Phone: 516.661.1000		Fax: 516.661.1000		CALENDAR DAYS					
Project Name: Farnham Park Mobil		Site: 46042832		TAT if different from Below					
PO# 0213836				☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day					



460-343760 Chain of Custody

**SHORT
HOLD**

Sample Identification	Sample Date	Sample Time	Sample Type (G=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
ISS-21A	1/22/26	10:30	G	S	4	M	X	1
ISS-21B		10:35	G	S	4	M	X	2
ISS-21C		10:40	G	S	4	M	X	3
ISS-21D		10:45	G	S	4	M	X	4
ISS-22A		11:00	G	S	4	M	X	5
ISS-22B		11:05	G	S	4	M	X	6
ISS-22C		11:10	G	S	4	M	X	7
ISS-23A		11:30	G	S	4	M	X	8
ISS-23B		11:35	G	S	4	M	X	9
ISS-23C		11:40	G	S	4	M	X	10
ISS-24A		11:50	G	S	4	M	X	11
ISS-24B		11:55	G	S	4	M	X	12

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazardous ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

☐ Return to Client ☒ Dispose by Lab ☐ Archive for _____ Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Received by: <i>[Signature]</i>	Company: <i>[Signature]</i>	Corr'd:	Therm ID No.
Relinquished by: <i>[Signature]</i>	Date/Time: 1/22/26	Received by: <i>[Signature]</i>	Company: <i>[Signature]</i>	Date/Time: 1/22/26 15:00	
Relinquished by: <i>[Signature]</i>	Date/Time: 1/22/26 15:30	Received by: <i>[Signature]</i>	Company: <i>[Signature]</i>	Date/Time: 1/22/26 15:30	
Relinquished by: <i>[Signature]</i>	Date/Time:	Received in Laboratory by:	Company:	Date/Time:	

NO 64 33/2.8 #9



343760

Receipt Temperature and pH Log

7

Total Cyanide	Total Phos	1,4- Dioxane
(pH>12)	(pH<2)	(pH<4)

If pH adjustments are required record the information below:

Volume of Preservative used (ml)

Expiration Date

be notified about the samples which were pH adjusted.

must be acidified at least 24 hours prior to analysis.

1/22/22

Login Sample Receipt Checklist

Client: Haley & Aldrich Inc

Job Number: 460-343760-1

Login Number: 343760

List Source: Eurofins Edison

List Number: 1

Creator: Thundathorn, Sukanan 1

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Commisso
Haley & Aldrich Inc
213 West 35th Street, 7th Floor
New York, New York 10001

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JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-343761-1

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

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

Authorization



Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Definitions/Glossary

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

Job ID: 460-343761-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

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

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

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

Definitions/Glossary

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

Job ID: 460-343761-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Haley & Aldrich Inc
Project: Former Port Mobil

Job ID: 460-343761-1

Job ID: 460-343761-1

Eurofins Edison

Job Narrative 460-343761-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 1/22/2026 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

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

Samples ISS-21_0-4 (460-343761-1), ISS-22_0-4 (460-343761-2), ISS-23_0-4 (460-343761-3) and ISS-24_0-4 (460-343761-4) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 1/23/2026 and analyzed on 1/24/2026.

The continuing calibration verification (CCV) analyzed in batch 460-1087429 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample duplicate (LCSD) for preparation batch 460-1087307 and analytical batch 460-1087429 recovered outside control limits for the following analytes: 2-Methylnaphthalene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been flagged and reported.

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

Samples ISS-21_0-4 (460-343761-1), ISS-22_0-4 (460-343761-2), ISS-23_0-4 (460-343761-3) and ISS-24_0-4 (460-343761-4) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 1/23/2026 and analyzed on 1/24/2026.

Method 8081B - Organochlorine Pesticides (GC)

Samples ISS-21_0-4 (460-343761-1), ISS-22_0-4 (460-343761-2), ISS-23_0-4 (460-343761-3) and ISS-24_0-4 (460-343761-4) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 1/23/2026 and analyzed on 1/27/2026.

The continuing calibration verification (CCV) associated with batch 460-1087502 recovered outside acceptance criteria, low biased, for delta-BHC and Endrin aldehyde on the secondary column. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. (CCVIS 460-1087502/3)

Method 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Samples ISS-21_0-4 (460-343761-1), ISS-22_0-4 (460-343761-2), ISS-23_0-4 (460-343761-3) and ISS-24_0-4 (460-343761-4) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A. The samples were prepared on 1/29/2026 and analyzed on 1/30/2026.

The labeled isotopes ¹³C7 PFUnA are outside QC acceptance limits. Since the recovery in sample ISS-24_0-4 (460-343761-4) is less than 200%, the data is reported.

Method 6020B - Metals (ICP/MS)

Samples ISS-21_0-4 (460-343761-1), ISS-22_0-4 (460-343761-2), ISS-23_0-4 (460-343761-3) and ISS-24_0-4 (460-343761-4) were analyzed for Metals (ICP/MS). The samples were prepared and analyzed on 1/28/2026.

Eurofins Edison

Case Narrative

Client: Haley & Aldrich Inc
Project: Former Port Mobil

Job ID: 460-343761-1

Job ID: 460-343761-1 (Continued)

Eurofins Edison

Method 7471B - Mercury (CVAA)

Samples ISS-21_0-4 (460-343761-1), ISS-22_0-4 (460-343761-2), ISS-23_0-4 (460-343761-3) and ISS-24_0-4 (460-343761-4) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 1/28/2026.

Method Moisture - Percent Moisture

Samples ISS-21_0-4 (460-343761-1), ISS-22_0-4 (460-343761-2), ISS-23_0-4 (460-343761-3) and ISS-24_0-4 (460-343761-4) were analyzed for Percent Moisture. The samples were analyzed on 1/23/2026.

Eurofins Edison

Detection Summary

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

Job ID: 460-343761-1

Client Sample ID: ISS-21_0-4

Lab Sample ID: 460-343761-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	0.80	*	0.38	0.011	mg/Kg	1	☼		8270E	Total/NA
Acenaphthene	0.033	J	0.38	0.011	mg/Kg	1	☼		8270E	Total/NA
Acenaphthylene	0.019	J	0.38	0.011	mg/Kg	1	☼		8270E	Total/NA
Anthracene	0.017	J	0.38	0.012	mg/Kg	1	☼		8270E	Total/NA
Dibenzofuran	0.050	J	0.38	0.013	mg/Kg	1	☼		8270E	Total/NA
Fluorene	0.10	J	0.38	0.011	mg/Kg	1	☼		8270E	Total/NA
Naphthalene	0.20	J	0.38	0.0065	mg/Kg	1	☼		8270E	Total/NA
Phenanthrene	0.21	J	0.38	0.015	mg/Kg	1	☼		8270E	Total/NA
Pyrene	0.026	J	0.38	0.0094	mg/Kg	1	☼		8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.061	J	0.20	0.059	ug/Kg	1	☼		1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.64		0.20	0.099	ug/Kg	1	☼		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.88		0.20	0.099	ug/Kg	1	☼		1633A	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.86		0.20	0.099	ug/Kg	1	☼		1633A	Total/NA
Aluminum	5610		20.5	5.6	mg/Kg	1	☼		6020B	Total/NA
Antimony	0.18	J	1.0	0.15	mg/Kg	1	☼		6020B	Total/NA
Arsenic	3.8		1.0	0.11	mg/Kg	1	☼		6020B	Total/NA
Barium	31.9		2.0	0.15	mg/Kg	1	☼		6020B	Total/NA
Beryllium	0.40	J	0.41	0.023	mg/Kg	1	☼		6020B	Total/NA
Cadmium	0.18	J	0.51	0.12	mg/Kg	1	☼		6020B	Total/NA
Calcium	8600		102	10	mg/Kg	1	☼		6020B	Total/NA
Chromium	10.9		2.0	0.30	mg/Kg	1	☼		6020B	Total/NA
Cobalt	4.3		1.0	0.15	mg/Kg	1	☼		6020B	Total/NA
Copper	15.6		2.0	0.38	mg/Kg	1	☼		6020B	Total/NA
Iron	13600		61.5	7.8	mg/Kg	1	☼		6020B	Total/NA
Lead	17.7		0.61	0.20	mg/Kg	1	☼		6020B	Total/NA
Magnesium	1820		102	10.4	mg/Kg	1	☼		6020B	Total/NA
Manganese	141		4.1	0.41	mg/Kg	1	☼		6020B	Total/NA
Nickel	7.2		2.0	0.18	mg/Kg	1	☼		6020B	Total/NA
Potassium	866		102	16.6	mg/Kg	1	☼		6020B	Total/NA
Selenium	0.18	J	1.3	0.13	mg/Kg	1	☼		6020B	Total/NA
Sodium	90.8	J	102	46.8	mg/Kg	1	☼		6020B	Total/NA
Thallium	0.058	J	0.41	0.042	mg/Kg	1	☼		6020B	Total/NA
Vanadium	15.7		2.0	0.21	mg/Kg	1	☼		6020B	Total/NA
Zinc	93.1		8.2	1.1	mg/Kg	1	☼		6020B	Total/NA
Mercury	0.011	J	0.020	0.0092	mg/Kg	1	☼		7471B	Total/NA

Client Sample ID: ISS-22_0-4

Lab Sample ID: 460-343761-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1'-Biphenyl	0.033	J	0.36	0.013	mg/Kg	1	☼		8270E	Total/NA
2-Methylnaphthalene	2.3	*	0.36	0.010	mg/Kg	1	☼		8270E	Total/NA
Acenaphthene	0.066	J	0.36	0.010	mg/Kg	1	☼		8270E	Total/NA
Acenaphthylene	0.026	J	0.36	0.010	mg/Kg	1	☼		8270E	Total/NA
Anthracene	0.026	J	0.36	0.011	mg/Kg	1	☼		8270E	Total/NA
Dibenzofuran	0.082	J	0.36	0.012	mg/Kg	1	☼		8270E	Total/NA
Fluorene	0.15	J	0.36	0.011	mg/Kg	1	☼		8270E	Total/NA
Naphthalene	0.70		0.36	0.0062	mg/Kg	1	☼		8270E	Total/NA
Phenanthrene	0.35	J	0.36	0.015	mg/Kg	1	☼		8270E	Total/NA
Pyrene	0.043	J	0.36	0.0090	mg/Kg	1	☼		8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.061	J	0.20	0.060	ug/Kg	1	☼		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.34		0.20	0.10	ug/Kg	1	☼		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

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

Job ID: 460-343761-1

Client Sample ID: ISS-22_0-4 (Continued)

Lab Sample ID: 460-343761-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.14	J	0.20	0.060	ug/Kg	1	✱	1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	12.3		0.20	0.10	ug/Kg	1	✱	1633A	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.65		0.20	0.10	ug/Kg	1	✱	1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.27	J	0.40	0.20	ug/Kg	1	✱	1633A	Total/NA
Aluminum	6430		19.6	5.4	mg/Kg	1	✱	6020B	Total/NA
Arsenic	2.7		0.98	0.10	mg/Kg	1	✱	6020B	Total/NA
Barium	32.0		2.0	0.14	mg/Kg	1	✱	6020B	Total/NA
Beryllium	0.40		0.39	0.022	mg/Kg	1	✱	6020B	Total/NA
Cadmium	1.1		0.49	0.11	mg/Kg	1	✱	6020B	Total/NA
Calcium	2780		97.9	9.5	mg/Kg	1	✱	6020B	Total/NA
Chromium	10.7		2.0	0.29	mg/Kg	1	✱	6020B	Total/NA
Cobalt	6.0		0.98	0.14	mg/Kg	1	✱	6020B	Total/NA
Copper	25.4		2.0	0.36	mg/Kg	1	✱	6020B	Total/NA
Iron	14000		58.7	7.5	mg/Kg	1	✱	6020B	Total/NA
Lead	45.1		0.59	0.20	mg/Kg	1	✱	6020B	Total/NA
Magnesium	2260		97.9	10	mg/Kg	1	✱	6020B	Total/NA
Manganese	161		3.9	0.39	mg/Kg	1	✱	6020B	Total/NA
Nickel	10.2		2.0	0.17	mg/Kg	1	✱	6020B	Total/NA
Potassium	890		97.9	15.9	mg/Kg	1	✱	6020B	Total/NA
Selenium	0.13	J	1.2	0.13	mg/Kg	1	✱	6020B	Total/NA
Sodium	71.6	J	97.9	44.7	mg/Kg	1	✱	6020B	Total/NA
Thallium	0.087	J	0.39	0.040	mg/Kg	1	✱	6020B	Total/NA
Vanadium	16.2		2.0	0.20	mg/Kg	1	✱	6020B	Total/NA
Zinc	150		7.8	1.1	mg/Kg	1	✱	6020B	Total/NA

Client Sample ID: ISS-23_0-4

Lab Sample ID: 460-343761-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	5.7	*	0.36	0.010	mg/Kg	1	✱	8270E	Total/NA
Acenaphthene	0.21	J	0.36	0.010	mg/Kg	1	✱	8270E	Total/NA
Anthracene	0.089	J	0.36	0.011	mg/Kg	1	✱	8270E	Total/NA
Carbazole	0.016	J	0.36	0.014	mg/Kg	1	✱	8270E	Total/NA
Dibenzofuran	0.29	J	0.36	0.012	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	0.023	J	0.36	0.013	mg/Kg	1	✱	8270E	Total/NA
Fluorene	0.54		0.36	0.011	mg/Kg	1	✱	8270E	Total/NA
Phenanthrene	1.2		0.36	0.015	mg/Kg	1	✱	8270E	Total/NA
Pyrene	0.14	J	0.36	0.0090	mg/Kg	1	✱	8270E	Total/NA
Perfluorononanoic acid (PFNA)	0.29		0.20	0.099	ug/Kg	1	✱	1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.63		0.20	0.099	ug/Kg	1	✱	1633A	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.86		0.20	0.099	ug/Kg	1	✱	1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.23	J	0.39	0.20	ug/Kg	1	✱	1633A	Total/NA
Aluminum	4070		20.4	5.6	mg/Kg	1	✱	6020B	Total/NA
Arsenic	4.8		1.0	0.10	mg/Kg	1	✱	6020B	Total/NA
Barium	18.6		2.0	0.15	mg/Kg	1	✱	6020B	Total/NA
Beryllium	0.32	J	0.41	0.022	mg/Kg	1	✱	6020B	Total/NA
Calcium	2350		102	9.9	mg/Kg	1	✱	6020B	Total/NA
Chromium	10.1		2.0	0.30	mg/Kg	1	✱	6020B	Total/NA
Cobalt	3.5		1.0	0.15	mg/Kg	1	✱	6020B	Total/NA
Copper	8.8		2.0	0.37	mg/Kg	1	✱	6020B	Total/NA
Iron	13600		61.1	7.8	mg/Kg	1	✱	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

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

Job ID: 460-343761-1

Client Sample ID: ISS-23_0-4 (Continued)

Lab Sample ID: 460-343761-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	26.9		0.61	0.20	mg/Kg	1	✱		6020B	Total/NA
Magnesium	967		102	10.4	mg/Kg	1	✱		6020B	Total/NA
Manganese	70.9		4.1	0.41	mg/Kg	1	✱		6020B	Total/NA
Nickel	4.9		2.0	0.18	mg/Kg	1	✱		6020B	Total/NA
Potassium	811		102	16.5	mg/Kg	1	✱		6020B	Total/NA
Selenium	0.20	J	1.3	0.13	mg/Kg	1	✱		6020B	Total/NA
Sodium	47.1	J	102	46.6	mg/Kg	1	✱		6020B	Total/NA
Vanadium	16.7		2.0	0.21	mg/Kg	1	✱		6020B	Total/NA
Zinc	29.6		8.1	1.1	mg/Kg	1	✱		6020B	Total/NA
Mercury	0.0089	J	0.017	0.0078	mg/Kg	1	✱		7471B	Total/NA

Client Sample ID: ISS-24_0-4

Lab Sample ID: 460-343761-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	0.022	J *	0.35	0.0099	mg/Kg	1	✱		8270E	Total/NA
Acenaphthene	0.017	J	0.35	0.010	mg/Kg	1	✱		8270E	Total/NA
Dibenzofuran	0.018	J	0.35	0.012	mg/Kg	1	✱		8270E	Total/NA
Fluorene	0.037	J	0.35	0.010	mg/Kg	1	✱		8270E	Total/NA
Phenanthrene	0.078	J	0.35	0.014	mg/Kg	1	✱		8270E	Total/NA
Pyrene	0.023	J	0.35	0.0088	mg/Kg	1	✱		8270E	Total/NA
Perfluorobutanoic acid (PFBA)	0.18	J	0.39	0.097	ug/Kg	1	✱		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	0.34		0.19	0.097	ug/Kg	1	✱		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	0.69		0.19	0.097	ug/Kg	1	✱		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.73		0.19	0.097	ug/Kg	1	✱		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	3.26		0.19	0.058	ug/Kg	1	✱		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.30		0.19	0.097	ug/Kg	1	✱		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.50		0.19	0.058	ug/Kg	1	✱		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	5.82		0.19	0.097	ug/Kg	1	✱		1633A	Total/NA
Perfluorododecanoic acid (PFDoA)	0.56		0.19	0.097	ug/Kg	1	✱		1633A	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.30		0.19	0.097	ug/Kg	1	✱		1633A	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.11	J	0.19	0.097	ug/Kg	1	✱		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.11	J	0.19	0.097	ug/Kg	1	✱		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.79		0.19	0.097	ug/Kg	1	✱		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.52		0.39	0.19	ug/Kg	1	✱		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.84		0.39	0.19	ug/Kg	1	✱		1633A	Total/NA
Aluminum	6920		20.0	5.5	mg/Kg	1	✱		6020B	Total/NA
Antimony	0.28	J	1.0	0.15	mg/Kg	1	✱		6020B	Total/NA
Arsenic	6.3		1.0	0.10	mg/Kg	1	✱		6020B	Total/NA
Barium	30.2		2.0	0.15	mg/Kg	1	✱		6020B	Total/NA
Beryllium	0.51		0.40	0.022	mg/Kg	1	✱		6020B	Total/NA
Cadmium	0.26	J	0.50	0.11	mg/Kg	1	✱		6020B	Total/NA
Calcium	2380		100	9.7	mg/Kg	1	✱		6020B	Total/NA
Chromium	12.9		2.0	0.30	mg/Kg	1	✱		6020B	Total/NA
Cobalt	5.6		1.0	0.15	mg/Kg	1	✱		6020B	Total/NA
Copper	18.2		2.0	0.37	mg/Kg	1	✱		6020B	Total/NA
Iron	20200		60.0	7.7	mg/Kg	1	✱		6020B	Total/NA
Lead	55.3		0.60	0.20	mg/Kg	1	✱		6020B	Total/NA
Magnesium	1830		100	10.2	mg/Kg	1	✱		6020B	Total/NA
Manganese	223		4.0	0.40	mg/Kg	1	✱		6020B	Total/NA
Nickel	8.8		2.0	0.18	mg/Kg	1	✱		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

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

Job ID: 460-343761-1

Client Sample ID: ISS-24_0-4 (Continued)

Lab Sample ID: 460-343761-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Potassium	1040		100	16.2	mg/Kg	1		✱	6020B	Total/NA
Selenium	0.33	J	1.3	0.13	mg/Kg	1		✱	6020B	Total/NA
Sodium	84.9	J	100	45.7	mg/Kg	1		✱	6020B	Total/NA
Thallium	0.073	J	0.40	0.041	mg/Kg	1		✱	6020B	Total/NA
Vanadium	22.9		2.0	0.21	mg/Kg	1		✱	6020B	Total/NA
Zinc	68.2		8.0	1.1	mg/Kg	1		✱	6020B	Total/NA
Mercury	0.013	J	0.017	0.0082	mg/Kg	1		✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-21_0-4

Lab Sample ID: 460-343761-1

Date Collected: 01/22/26 10:50

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2,4-Dinitrophenol	0.30	U	0.30	0.19	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2-Methylnaphthalene	0.80	*	0.38	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
4-Nitroaniline	0.38	U	0.38	0.096	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Acenaphthene	0.033	J	0.38	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Acenaphthylene	0.019	J	0.38	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Anthracene	0.017	J	0.38	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Benzo[a]anthracene	0.038	U	0.038	0.028	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0098	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Dibenzofuran	0.050	J	0.38	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1

Eurofins Edison

Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-21_0-4

Lab Sample ID: 460-343761-1

Date Collected: 01/22/26 10:50

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Fluorene	0.10	J	0.38	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Naphthalene	0.20	J	0.38	0.0065	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Pentachlorophenol	0.30	U	0.30	0.078	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Phenanthrene	0.21	J	0.38	0.015	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Phenol	0.38	U	0.38	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1
Pyrene	0.026	J	0.38	0.0094	mg/Kg	✱	01/23/26 21:25	01/24/26 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	58		18 - 137	01/23/26 21:25	01/24/26 22:50	1
2-Fluorobiphenyl	64		33 - 117	01/23/26 21:25	01/24/26 22:50	1
2-Fluorophenol (Surr)	63		24 - 120	01/23/26 21:25	01/24/26 22:50	1
Nitrobenzene-d5 (Surr)	63		27 - 120	01/23/26 21:25	01/24/26 22:50	1
Phenol-d5 (Surr)	61		28 - 118	01/23/26 21:25	01/24/26 22:50	1
Terphenyl-d14 (Surr)	70		33 - 124	01/23/26 21:25	01/24/26 22:50	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Aldrin	0.0076	U	0.0076	0.0012	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Endosulfan sulfate	0.0076	U	0.0076	0.00096	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-21_0-4

Lab Sample ID: 460-343761-1

Date Collected: 01/22/26 10:50

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Toxaphene	0.076	U	0.076	0.028	mg/Kg	✱	01/23/26 18:22	01/27/26 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	119		10 - 150				01/23/26 18:22	01/27/26 13:06	1
DCB Decachlorobiphenyl	117		10 - 150				01/23/26 18:22	01/27/26 13:06	1
Tetrachloro-m-xylene	98		14 - 150				01/23/26 18:22	01/27/26 13:06	1
Tetrachloro-m-xylene	97		14 - 150				01/23/26 18:22	01/27/26 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 21:39	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 21:39	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 21:39	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 21:39	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 21:39	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 21:39	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 21:39	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 21:39	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 21:39	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	124		10 - 150				01/23/26 17:56	01/24/26 21:39	1
DCB Decachlorobiphenyl	140		10 - 150				01/23/26 17:56	01/24/26 21:39	1
Tetrachloro-m-xylene	121		10 - 150				01/23/26 17:56	01/24/26 21:39	1
Tetrachloro-m-xylene	110		10 - 150				01/23/26 17:56	01/24/26 21:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.40	U	0.40	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorooctanoic acid (PFOA)	0.061	J	0.20	0.059	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorononanoic acid (PFNA)	0.64		0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.059	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluoroundecanoic acid (PFUnA)	0.88		0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorotridecanoic acid (PFTrDA)	0.86		0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-21_0-4

Lab Sample ID: 460-343761-1

Date Collected: 01/22/26 10:50

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.49	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.49	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.49	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.49	ug/Kg	✱	01/29/26 19:35	01/30/26 16:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	73.6		8 - 130				01/29/26 19:35	01/30/26 16:33	1
13C5 PFPeA	76.5		35 - 130				01/29/26 19:35	01/30/26 16:33	1
13C5 PFHxA	74.9		40 - 130				01/29/26 19:35	01/30/26 16:33	1
13C4 PFHpA	84.3		40 - 130				01/29/26 19:35	01/30/26 16:33	1
13C8 PFOA	75.6		40 - 130				01/29/26 19:35	01/30/26 16:33	1
13C9 PFNA	79.2		40 - 130				01/29/26 19:35	01/30/26 16:33	1
13C6 PFDA	73.5		40 - 130				01/29/26 19:35	01/30/26 16:33	1
13C7 PFUnA	100		40 - 130				01/29/26 19:35	01/30/26 16:33	1
13C2 PFTeDA	78.8		20 - 130				01/29/26 19:35	01/30/26 16:33	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-21_0-4

Lab Sample ID: 460-343761-1

Date Collected: 01/22/26 10:50

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 87.2

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	81.9		40 - 135	01/29/26 19:35	01/30/26 16:33	1
13C3 PFHxS	75.9		40 - 130	01/29/26 19:35	01/30/26 16:33	1
13C8 PFOS	77.8		40 - 130	01/29/26 19:35	01/30/26 16:33	1
13C8 FOSA	75.5		40 - 130	01/29/26 19:35	01/30/26 16:33	1
d3-NMeFOSAA	94.3		40 - 135	01/29/26 19:35	01/30/26 16:33	1
d5-NEtFOSAA	88.7		40 - 150	01/29/26 19:35	01/30/26 16:33	1
13C2 4:2 FTS	101		40 - 165	01/29/26 19:35	01/30/26 16:33	1
13C2 6:2 FTS	131		40 - 215	01/29/26 19:35	01/30/26 16:33	1
13C2 8:2 FTS	147		40 - 275	01/29/26 19:35	01/30/26 16:33	1
13C3 HFPO-DA	69.7		40 - 130	01/29/26 19:35	01/30/26 16:33	1
d7-N-MeFOSE-M	61.2		20 - 130	01/29/26 19:35	01/30/26 16:33	1
d9-N-EtFOSE-M	58.5		15 - 130	01/29/26 19:35	01/30/26 16:33	1
d5-NEtPFOSA	57.8		10 - 130	01/29/26 19:35	01/30/26 16:33	1
d3-NMePFOSA	60.2		10 - 130	01/29/26 19:35	01/30/26 16:33	1
13C2 PFDoA	101		40 - 130	01/29/26 19:35	01/30/26 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5610		20.5	5.6	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Antimony	0.18	J	1.0	0.15	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Arsenic	3.8		1.0	0.11	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Barium	31.9		2.0	0.15	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Beryllium	0.40	J	0.41	0.023	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Cadmium	0.18	J	0.51	0.12	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Calcium	8600		102	10	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Chromium	10.9		2.0	0.30	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Cobalt	4.3		1.0	0.15	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Copper	15.6		2.0	0.38	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Iron	13600		61.5	7.8	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Lead	17.7		0.61	0.20	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Magnesium	1820		102	10.4	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Manganese	141		4.1	0.41	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Nickel	7.2		2.0	0.18	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Potassium	866		102	16.6	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Selenium	0.18	J	1.3	0.13	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Silver	0.41	U	0.41	0.091	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Sodium	90.8	J	102	46.8	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Thallium	0.058	J	0.41	0.042	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Vanadium	15.7		2.0	0.21	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1
Zinc	93.1		8.2	1.1	mg/Kg	✱	01/28/26 07:31	01/28/26 15:37	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.020	0.0092	mg/Kg	✱	01/28/26 10:50	01/28/26 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.8		1.0	1.0	%			01/23/26 16:32	1
Percent Solids (EPA Moisture)	87.2		1.0	1.0	%			01/23/26 16:32	1

Eurofins Edison

Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-22_0-4

Lab Sample ID: 460-343761-2

Date Collected: 01/22/26 11:15

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.033	J	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.046	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2-Methylnaphthalene	2.3	*	0.36	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
3-Nitroaniline	0.36	U	0.36	0.086	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
4-Nitroaniline	0.36	U	0.36	0.092	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Acenaphthene	0.066	J	0.36	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Acenaphthylene	0.026	J	0.36	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Anthracene	0.026	J	0.36	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Benzo[a]pyrene	0.036	U	0.036	0.0096	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0093	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.067	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Dibenzofuran	0.082	J	0.36	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-22_0-4

Lab Sample ID: 460-343761-2

Date Collected: 01/22/26 11:15

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Fluorene	0.15	J	0.36	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Isophorone	0.15	U	0.15	0.10	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Naphthalene	0.70		0.36	0.0062	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Phenanthrene	0.35	J	0.36	0.015	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Phenol	0.36	U	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1
Pyrene	0.043	J	0.36	0.0090	mg/Kg	✱	01/23/26 21:25	01/24/26 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	58		18 - 137	01/23/26 21:25	01/24/26 23:13	1
2-Fluorobiphenyl	66		33 - 117	01/23/26 21:25	01/24/26 23:13	1
2-Fluorophenol (Surr)	66		24 - 120	01/23/26 21:25	01/24/26 23:13	1
Nitrobenzene-d5 (Surr)	67		27 - 120	01/23/26 21:25	01/24/26 23:13	1
Phenol-d5 (Surr)	65		28 - 118	01/23/26 21:25	01/24/26 23:13	1
Terphenyl-d14 (Surr)	71		33 - 124	01/23/26 21:25	01/24/26 23:13	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
cis-Chlordane	0.0073	U	0.0073	0.0012	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Endosulfan sulfate	0.0073	U	0.0073	0.00092	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Endrin	0.0073	U	0.0073	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-22_0-4

Lab Sample ID: 460-343761-2

Date Collected: 01/22/26 11:15

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	✱	01/23/26 18:22	01/27/26 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	111		10 - 150				01/23/26 18:22	01/27/26 13:18	1
DCB Decachlorobiphenyl	94		10 - 150				01/23/26 18:22	01/27/26 13:18	1
Tetrachloro-m-xylene	91		14 - 150				01/23/26 18:22	01/27/26 13:18	1
Tetrachloro-m-xylene	88		14 - 150				01/23/26 18:22	01/27/26 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 21:56	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 21:56	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 21:56	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 21:56	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 21:56	1
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 21:56	1
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 21:56	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 21:56	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 21:56	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 21:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	108		10 - 150				01/23/26 17:56	01/24/26 21:56	1
DCB Decachlorobiphenyl	125		10 - 150				01/23/26 17:56	01/24/26 21:56	1
Tetrachloro-m-xylene	107		10 - 150				01/23/26 17:56	01/24/26 21:56	1
Tetrachloro-m-xylene	100		10 - 150				01/23/26 17:56	01/24/26 21:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.40	U	0.40	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorooctanoic acid (PFOA)	0.061	J	0.20	0.060	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorononanoic acid (PFNA)	1.34		0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorodecanoic acid (PFDA)	0.14	J	0.20	0.060	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluoroundecanoic acid (PFUnA)	12.3		0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorotridecanoic acid (PFTrDA)	0.65		0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-22_0-4

Lab Sample ID: 460-343761-2

Date Collected: 01/22/26 11:15

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.27	J	0.40	0.20	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.0	U	1.0	0.50	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.0	U	1.0	0.50	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.0	U	1.0	0.50	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.0	U	1.0	0.50	ug/Kg	✱	01/29/26 19:35	01/30/26 16:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	68.8		8 - 130	01/29/26 19:35	01/30/26 16:46	1
13C5 PFPeA	71.0		35 - 130	01/29/26 19:35	01/30/26 16:46	1
13C5 PFHxA	68.6		40 - 130	01/29/26 19:35	01/30/26 16:46	1
13C4 PFHpA	77.2		40 - 130	01/29/26 19:35	01/30/26 16:46	1
13C8 PFOA	69.8		40 - 130	01/29/26 19:35	01/30/26 16:46	1
13C9 PFNA	67.9		40 - 130	01/29/26 19:35	01/30/26 16:46	1
13C6 PFDA	65.5		40 - 130	01/29/26 19:35	01/30/26 16:46	1
13C7 PFUnA	88.8		40 - 130	01/29/26 19:35	01/30/26 16:46	1
13C2 PFTeDA	70.4		20 - 130	01/29/26 19:35	01/30/26 16:46	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-22_0-4

Lab Sample ID: 460-343761-2

Date Collected: 01/22/26 11:15

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 91.2

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	70.2		40 - 135	01/29/26 19:35	01/30/26 16:46	1
13C3 PFHxS	68.8		40 - 130	01/29/26 19:35	01/30/26 16:46	1
13C8 PFOS	62.1		40 - 130	01/29/26 19:35	01/30/26 16:46	1
13C8 FOSA	61.8		40 - 130	01/29/26 19:35	01/30/26 16:46	1
d3-NMeFOSAA	76.1		40 - 135	01/29/26 19:35	01/30/26 16:46	1
d5-NEtFOSAA	66.7		40 - 150	01/29/26 19:35	01/30/26 16:46	1
13C2 4:2 FTS	92.0		40 - 165	01/29/26 19:35	01/30/26 16:46	1
13C2 6:2 FTS	128		40 - 215	01/29/26 19:35	01/30/26 16:46	1
13C2 8:2 FTS	126		40 - 275	01/29/26 19:35	01/30/26 16:46	1
13C3 HFPO-DA	70.2		40 - 130	01/29/26 19:35	01/30/26 16:46	1
d7-N-MeFOSE-M	44.8		20 - 130	01/29/26 19:35	01/30/26 16:46	1
d9-N-EtFOSE-M	45.8		15 - 130	01/29/26 19:35	01/30/26 16:46	1
d5-NEtPFOSA	44.9		10 - 130	01/29/26 19:35	01/30/26 16:46	1
d3-NMePFOSA	47.7		10 - 130	01/29/26 19:35	01/30/26 16:46	1
13C2 PFDoA	87.0		40 - 130	01/29/26 19:35	01/30/26 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6430		19.6	5.4	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Antimony	0.98	U	0.98	0.14	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Arsenic	2.7		0.98	0.10	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Barium	32.0		2.0	0.14	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Beryllium	0.40		0.39	0.022	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Cadmium	1.1		0.49	0.11	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Calcium	2780		97.9	9.5	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Chromium	10.7		2.0	0.29	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Cobalt	6.0		0.98	0.14	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Copper	25.4		2.0	0.36	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Iron	14000		58.7	7.5	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Lead	45.1		0.59	0.20	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Magnesium	2260		97.9	10	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Manganese	161		3.9	0.39	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Nickel	10.2		2.0	0.17	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Potassium	890		97.9	15.9	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Selenium	0.13	J	1.2	0.13	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Silver	0.39	U	0.39	0.087	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Sodium	71.6	J	97.9	44.7	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Thallium	0.087	J	0.39	0.040	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Vanadium	16.2		2.0	0.20	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1
Zinc	150		7.8	1.1	mg/Kg	☆	01/28/26 07:31	01/28/26 15:39	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0082	mg/Kg	☆	01/28/26 10:50	01/28/26 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.8		1.0	1.0	%			01/23/26 16:32	1
Percent Solids (EPA Moisture)	91.2		1.0	1.0	%			01/23/26 16:32	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-23_0-4

Lab Sample ID: 460-343761-3

Date Collected: 01/22/26 11:45

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2-Methylnaphthalene	5.7	*	0.36	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
4-Nitroaniline	0.36	U	0.36	0.091	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Acenaphthene	0.21	J	0.36	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Anthracene	0.089	J	0.36	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Benzo[a]pyrene	0.036	U	0.036	0.0096	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0093	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.067	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Carbazole	0.016	J	0.36	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Dibenzofuran	0.29	J	0.36	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-23_0-4

Lab Sample ID: 460-343761-3

Date Collected: 01/22/26 11:45

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Fluoranthene	0.023	J	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Fluorene	0.54		0.36	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Phenanthrene	1.2		0.36	0.015	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Phenol	0.36	U	0.36	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1
Pyrene	0.14	J	0.36	0.0090	mg/Kg	✱	01/23/26 21:25	01/24/26 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		18 - 137	01/23/26 21:25	01/24/26 23:35	1
2-Fluorobiphenyl	66		33 - 117	01/23/26 21:25	01/24/26 23:35	1
2-Fluorophenol (Surr)	65		24 - 120	01/23/26 21:25	01/24/26 23:35	1
Nitrobenzene-d5 (Surr)	69		27 - 120	01/23/26 21:25	01/24/26 23:35	1
Phenol-d5 (Surr)	64		28 - 118	01/23/26 21:25	01/24/26 23:35	1
Terphenyl-d14 (Surr)	69		33 - 124	01/23/26 21:25	01/24/26 23:35	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Endosulfan sulfate	0.0074	U	0.0074	0.00092	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-23_0-4

Lab Sample ID: 460-343761-3

Date Collected: 01/22/26 11:45

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	✱	01/23/26 18:22	01/27/26 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	112		10 - 150				01/23/26 18:22	01/27/26 13:31	1
DCB Decachlorobiphenyl	109		10 - 150				01/23/26 18:22	01/27/26 13:31	1
Tetrachloro-m-xylene	91		14 - 150				01/23/26 18:22	01/27/26 13:31	1
Tetrachloro-m-xylene	91		14 - 150				01/23/26 18:22	01/27/26 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 22:13	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 22:13	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 22:13	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 22:13	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 22:13	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 22:13	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 22:13	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 22:13	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 22:13	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	✱	01/23/26 17:56	01/24/26 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	109		10 - 150				01/23/26 17:56	01/24/26 22:13	1
DCB Decachlorobiphenyl	126		10 - 150				01/23/26 17:56	01/24/26 22:13	1
Tetrachloro-m-xylene	104		10 - 150				01/23/26 17:56	01/24/26 22:13	1
Tetrachloro-m-xylene	97		10 - 150				01/23/26 17:56	01/24/26 22:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.39	U	0.39	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorononanoic acid (PFNA)	0.29		0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.059	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluoroundecanoic acid (PFUnA)	2.63		0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorotridecanoic acid (PFTrDA)	0.86		0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.099	ug/Kg	✱	01/29/26 19:35	01/30/26 17:00	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-23_0-4

Lab Sample ID: 460-343761-3

Date Collected: 01/22/26 11:45

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.23	J	0.39	0.20	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.49	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.49	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.099	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.20	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.49	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.49	ug/Kg	☼	01/29/26 19:35	01/30/26 17:00	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	89.6		8 - 130				01/29/26 19:35	01/30/26 17:00	1
13C5 PFPeA	86.4		35 - 130				01/29/26 19:35	01/30/26 17:00	1
13C5 PFHxA	92.1		40 - 130				01/29/26 19:35	01/30/26 17:00	1
13C4 PFHpA	99.3		40 - 130				01/29/26 19:35	01/30/26 17:00	1
13C8 PFOA	92.3		40 - 130				01/29/26 19:35	01/30/26 17:00	1
13C9 PFNA	86.6		40 - 130				01/29/26 19:35	01/30/26 17:00	1
13C6 PFDA	84.1		40 - 130				01/29/26 19:35	01/30/26 17:00	1
13C7 PFUnA	94.3		40 - 130				01/29/26 19:35	01/30/26 17:00	1
13C2 PFTeDA	66.9		20 - 130				01/29/26 19:35	01/30/26 17:00	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-23_0-4

Lab Sample ID: 460-343761-3

Date Collected: 01/22/26 11:45

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 90.9

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	89.7		40 - 135	01/29/26 19:35	01/30/26 17:00	1
13C3 PFHxS	88.7		40 - 130	01/29/26 19:35	01/30/26 17:00	1
13C8 PFOS	85.8		40 - 130	01/29/26 19:35	01/30/26 17:00	1
13C8 FOSA	77.7		40 - 130	01/29/26 19:35	01/30/26 17:00	1
d3-NMeFOSAA	105		40 - 135	01/29/26 19:35	01/30/26 17:00	1
d5-NEtFOSAA	102		40 - 150	01/29/26 19:35	01/30/26 17:00	1
13C2 4:2 FTS	115		40 - 165	01/29/26 19:35	01/30/26 17:00	1
13C2 6:2 FTS	148		40 - 215	01/29/26 19:35	01/30/26 17:00	1
13C2 8:2 FTS	143		40 - 275	01/29/26 19:35	01/30/26 17:00	1
13C3 HFPO-DA	95.2		40 - 130	01/29/26 19:35	01/30/26 17:00	1
d7-N-MeFOSE-M	57.0		20 - 130	01/29/26 19:35	01/30/26 17:00	1
d9-N-EtFOSE-M	52.0		15 - 130	01/29/26 19:35	01/30/26 17:00	1
d5-NEtPFOSA	55.2		10 - 130	01/29/26 19:35	01/30/26 17:00	1
d3-NMePFOSA	65.5		10 - 130	01/29/26 19:35	01/30/26 17:00	1
13C2 PFDoA	94.2		40 - 130	01/29/26 19:35	01/30/26 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4070		20.4	5.6	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Antimony	1.0	U	1.0	0.15	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Arsenic	4.8		1.0	0.10	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Barium	18.6		2.0	0.15	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Beryllium	0.32	J	0.41	0.022	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Cadmium	0.51	U	0.51	0.12	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Calcium	2350		102	9.9	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Chromium	10.1		2.0	0.30	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Cobalt	3.5		1.0	0.15	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Copper	8.8		2.0	0.37	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Iron	13600		61.1	7.8	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Lead	26.9		0.61	0.20	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Magnesium	967		102	10.4	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Manganese	70.9		4.1	0.41	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Nickel	4.9		2.0	0.18	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Potassium	811		102	16.5	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Selenium	0.20	J	1.3	0.13	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Silver	0.41	U	0.41	0.091	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Sodium	47.1	J	102	46.6	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Thallium	0.41	U	0.41	0.042	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Vanadium	16.7		2.0	0.21	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1
Zinc	29.6		8.1	1.1	mg/Kg	✱	01/28/26 07:31	01/28/26 15:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0089	J	0.017	0.0078	mg/Kg	✱	01/28/26 10:50	01/28/26 09:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.1		1.0	1.0	%			01/23/26 16:32	1
Percent Solids (EPA Moisture)	90.9		1.0	1.0	%			01/23/26 16:32	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-24_0-4

Lab Sample ID: 460-343761-4

Date Collected: 01/22/26 12:10

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.021	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2,4-Dimethylphenol	0.35	U	0.35	0.042	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2-Chloronaphthalene	0.35	U	0.35	0.045	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2-Methylnaphthalene	0.022	J *	0.35	0.0099	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2-Nitroaniline	0.35	U	0.35	0.027	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
3-Nitroaniline	0.35	U	0.35	0.084	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
4-Chloroaniline	0.35	U	0.35	0.063	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
4-Nitroaniline	0.35	U	0.35	0.090	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Acenaphthene	0.017	J	0.35	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Acenaphthylene	0.35	U	0.35	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Benzaldehyde	0.35	U	0.35	0.059	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Benzo[a]anthracene	0.035	U	0.035	0.027	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Benzo[a]pyrene	0.035	U	0.035	0.0094	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0092	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.065	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.019	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Chrysene	0.35	U	0.35	0.015	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Dibenzofuran	0.018	J	0.35	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-24_0-4

Lab Sample ID: 460-343761-4

Date Collected: 01/22/26 12:10

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.35	U	0.35	0.011	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Fluorene	0.037	J	0.35	0.010	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Hexachlorobutadiene	0.072	U	0.072	0.0075	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Nitrobenzene	0.035	U	0.035	0.020	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Pentachlorophenol	0.28	U	0.28	0.073	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Phenanthrene	0.078	J	0.35	0.014	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Phenol	0.35	U	0.35	0.013	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1
Pyrene	0.023	J	0.35	0.0088	mg/Kg	✱	01/23/26 21:25	01/24/26 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	57		18 - 137	01/23/26 21:25	01/24/26 23:58	1
2-Fluorobiphenyl	65		33 - 117	01/23/26 21:25	01/24/26 23:58	1
2-Fluorophenol (Surr)	64		24 - 120	01/23/26 21:25	01/24/26 23:58	1
Nitrobenzene-d5 (Surr)	64		27 - 120	01/23/26 21:25	01/24/26 23:58	1
Phenol-d5 (Surr)	63		28 - 118	01/23/26 21:25	01/24/26 23:58	1
Terphenyl-d14 (Surr)	68		33 - 124	01/23/26 21:25	01/24/26 23:58	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
cis-Chlordane	0.0071	U	0.0071	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Endosulfan sulfate	0.0071	U	0.0071	0.00090	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-24_0-4

Lab Sample ID: 460-343761-4

Date Collected: 01/22/26 12:10

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	✱	01/23/26 18:22	01/27/26 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	115		10 - 150				01/23/26 18:22	01/27/26 13:43	1
DCB Decachlorobiphenyl	116		10 - 150				01/23/26 18:22	01/27/26 13:43	1
Tetrachloro-m-xylene	96		14 - 150				01/23/26 18:22	01/27/26 13:43	1
Tetrachloro-m-xylene	98		14 - 150				01/23/26 18:22	01/27/26 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 22:31	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 22:31	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 22:31	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 22:31	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 22:31	1
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 22:31	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 22:31	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 22:31	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 22:31	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	✱	01/23/26 17:56	01/24/26 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	116		10 - 150				01/23/26 17:56	01/24/26 22:31	1
DCB Decachlorobiphenyl	134		10 - 150				01/23/26 17:56	01/24/26 22:31	1
Tetrachloro-m-xylene	114		10 - 150				01/23/26 17:56	01/24/26 22:31	1
Tetrachloro-m-xylene	102		10 - 150				01/23/26 17:56	01/24/26 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.18	J	0.39	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluoropentanoic acid (PFPeA)	0.34		0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluorohexanoic acid (PFHxA)	0.69		0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluoroheptanoic acid (PFHpA)	1.73		0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluorooctanoic acid (PFOA)	3.26		0.19	0.058	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluorononanoic acid (PFNA)	2.30		0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluorodecanoic acid (PFDA)	1.50		0.19	0.058	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluoroundecanoic acid (PFUnA)	5.82		0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluorododecanoic acid (PFDoA)	0.56		0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluorotridecanoic acid (PFTTrDA)	3.30		0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluorotetradecanoic acid (PFTTeDA)	0.11	J	0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluorobutanesulfonic acid (PFBS)	0.11	J	0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.097	ug/Kg	✱	01/29/26 19:35	01/30/26 17:13	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-24_0-4

Lab Sample ID: 460-343761-4

Date Collected: 01/22/26 12:10

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	0.79		0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.52		0.39	0.19	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.84		0.39	0.19	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.97	U	0.97	0.48	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.97	U	0.97	0.48	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	0.19	0.097	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.19	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.97	U	0.97	0.48	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.97	U	0.97	0.48	ug/Kg	☼	01/29/26 19:35	01/30/26 17:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	76.9		8 - 130				01/29/26 19:35	01/30/26 17:13	1
13C5 PFPeA	79.7		35 - 130				01/29/26 19:35	01/30/26 17:13	1
13C5 PFHxA	79.9		40 - 130				01/29/26 19:35	01/30/26 17:13	1
13C4 PFHpA	81.1		40 - 130				01/29/26 19:35	01/30/26 17:13	1
13C8 PFOA	81.9		40 - 130				01/29/26 19:35	01/30/26 17:13	1
13C9 PFNA	85.7		40 - 130				01/29/26 19:35	01/30/26 17:13	1
13C6 PFDA	79.0		40 - 130				01/29/26 19:35	01/30/26 17:13	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-24_0-4

Lab Sample ID: 460-343761-4

Date Collected: 01/22/26 12:10

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 93.4

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	132	*	40 - 130	01/29/26 19:35	01/30/26 17:13	1
13C2 PFTeDA	127		20 - 130	01/29/26 19:35	01/30/26 17:13	1
13C3 PFBS	88.7		40 - 135	01/29/26 19:35	01/30/26 17:13	1
13C3 PFHxS	81.3		40 - 130	01/29/26 19:35	01/30/26 17:13	1
13C8 PFOS	83.0		40 - 130	01/29/26 19:35	01/30/26 17:13	1
13C8 FOSA	87.8		40 - 130	01/29/26 19:35	01/30/26 17:13	1
d3-NMeFOSAA	97.0		40 - 135	01/29/26 19:35	01/30/26 17:13	1
d5-NEtFOSAA	71.2		40 - 150	01/29/26 19:35	01/30/26 17:13	1
13C2 4:2 FTS	159		40 - 165	01/29/26 19:35	01/30/26 17:13	1
13C2 6:2 FTS	162		40 - 215	01/29/26 19:35	01/30/26 17:13	1
13C2 8:2 FTS	189		40 - 275	01/29/26 19:35	01/30/26 17:13	1
13C3 HFPO-DA	72.0		40 - 130	01/29/26 19:35	01/30/26 17:13	1
d7-N-MeFOSE-M	67.5		20 - 130	01/29/26 19:35	01/30/26 17:13	1
d9-N-EtFOSE-M	62.4		15 - 130	01/29/26 19:35	01/30/26 17:13	1
d5-NEtPFOSA	68.8		10 - 130	01/29/26 19:35	01/30/26 17:13	1
d3-NMePFOSA	77.2		10 - 130	01/29/26 19:35	01/30/26 17:13	1
13C2 PFDoA	123		40 - 130	01/29/26 19:35	01/30/26 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6920		20.0	5.5	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Antimony	0.28	J	1.0	0.15	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Arsenic	6.3		1.0	0.10	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Barium	30.2		2.0	0.15	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Beryllium	0.51		0.40	0.022	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Cadmium	0.26	J	0.50	0.11	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Calcium	2380		100	9.7	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Chromium	12.9		2.0	0.30	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Cobalt	5.6		1.0	0.15	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Copper	18.2		2.0	0.37	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Iron	20200		60.0	7.7	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Lead	55.3		0.60	0.20	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Magnesium	1830		100	10.2	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Manganese	223		4.0	0.40	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Nickel	8.8		2.0	0.18	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Potassium	1040		100	16.2	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Selenium	0.33	J	1.3	0.13	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Silver	0.40	U	0.40	0.089	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Sodium	84.9	J	100	45.7	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Thallium	0.073	J	0.40	0.041	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Vanadium	22.9		2.0	0.21	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1
Zinc	68.2		8.0	1.1	mg/Kg	✱	01/28/26 07:31	01/28/26 15:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.017	0.0082	mg/Kg	✱	01/28/26 10:50	01/28/26 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	6.6		1.0	1.0	%			01/23/26 16:32	1

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Client Sample Results

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

Job ID: 460-343761-1

Client Sample ID: ISS-24_0-4

Lab Sample ID: 460-343761-4

Date Collected: 01/22/26 12:10

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 93.4

General Chemistry (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	93.4		1.0	1.0	%			01/23/26 16:32	1

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Surrogate Summary

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

Job ID: 460-343761-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (18-137)	FBP (33-117)	2FP (24-120)	NBZ (27-120)	PHL (28-118)	TPHL (33-124)
460-343724-H-1-A MS	Matrix Spike	74	72	74	72	73	72
460-343724-H-1-B MSD	Matrix Spike Duplicate	66	62	62	62	60	65
460-343761-1	ISS-21_0-4	58	64	63	63	61	70
460-343761-2	ISS-22_0-4	58	66	66	67	65	71
460-343761-3	ISS-23_0-4	61	66	65	69	64	69
460-343761-4	ISS-24_0-4	57	65	64	64	63	68
LCS 460-1087307/2-A	Lab Control Sample	82	78	80	78	78	78
LCSD 460-1087307/3-A	Lab Control Sample Dup	84	79	82	79	80	84
MB 460-1087307/1-A	Method Blank	75	72	74	76	73	75

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (14-150)	TCX2 (14-150)
460-343195-B-8-D MS	Matrix Spike	65	73	79	73
460-343195-B-8-E MSD	Matrix Spike Duplicate	69	80	84	77
460-343761-1	ISS-21_0-4	117	119	97	98
460-343761-2	ISS-22_0-4	94	111	88	91
460-343761-3	ISS-23_0-4	109	112	91	91
460-343761-4	ISS-24_0-4	116	115	98	96
LCS 460-1087289/2-A	Lab Control Sample	98	97	106	93
LCSD 460-1087289/3-A	Lab Control Sample Dup	92	94	99	92
MB 460-1087289/1-A	Method Blank	88	96	92	91

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-150)	TCX2 (10-150)
460-343195-B-8-A MS	Matrix Spike	117	95	109	113
460-343195-B-8-B MSD	Matrix Spike Duplicate	113	82	101	106
460-343761-1	ISS-21_0-4	140	124	110	121
460-343761-2	ISS-22_0-4	125	108	100	107
460-343761-3	ISS-23_0-4	126	109	97	104
460-343761-4	ISS-24_0-4	134	116	102	114
LCS 460-1087272/2-A	Lab Control Sample	78	55	85	82

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Surrogate Summary

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

Job ID: 460-343761-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-150)	TCX2 (10-150)
LCSD 460-1087272/3-A	Lab Control Sample Dup	90	60	79	83
MB 460-1087272/1-A	Method Blank	130	99	120	120
Surrogate Legend					
DCBP = DCB Decachlorobiphenyl					
TCX = Tetrachloro-m-xylene					

Isotope Dilution Summary

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

Job ID: 460-343761-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (8-130)	PFPeA (35-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (40-130)
460-343761-1	ISS-21_0-4	73.6	76.5	74.9	84.3	75.6	79.2	73.5	100
460-343761-2	ISS-22_0-4	68.8	71.0	68.6	77.2	69.8	67.9	65.5	88.8
460-343761-3	ISS-23_0-4	89.6	86.4	92.1	99.3	92.3	86.6	84.1	94.3
460-343761-4	ISS-24_0-4	76.9	79.7	79.9	81.1	81.9	85.7	79.0	132 *
LCS 410-762368/2-A	Lab Control Sample	61.2	61.5	64.3	67.3	70.5	74.3	70.3	78.5
LCSD 410-762368/3-A	Lab Control Sample Dup	87.2	87.3	85.8	93.6	85.9	88.6	85.8	81.9
LLCS 410-762368/4-A	Lab Control Sample	64.3	60.2	64.8	65.2	68.8	63.8	60.7	63.7
MB 410-762368/1-A	Method Blank	89.3	92.1	91.4	98.2	92.1	91.6	91.2	85.7
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-135)	d5NEFOS (40-150)	M242FTS (40-165)
460-343761-1	ISS-21_0-4	78.8	81.9	75.9	77.8	75.5	94.3	88.7	101
460-343761-2	ISS-22_0-4	70.4	70.2	68.8	62.1	61.8	76.1	66.7	92.0
460-343761-3	ISS-23_0-4	66.9	89.7	88.7	85.8	77.7	105	102	115
460-343761-4	ISS-24_0-4	127	88.7	81.3	83.0	87.8	97.0	71.2	159
LCS 410-762368/2-A	Lab Control Sample	62.7	68.7	68.8	77.5	68.7	76.7	83.9	77.5
LCSD 410-762368/3-A	Lab Control Sample Dup	64.5	93.9	92.7	90.0	76.6	82.3	86.8	106
LLCS 410-762368/4-A	Lab Control Sample	45.3	69.6	64.5	58.1	54.9	50.4	57.3	79.1
MB 410-762368/1-A	Method Blank	61.2	92.9	92.7	81.1	74.6	79.2	88.4	111
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (40-130)
460-343761-1	ISS-21_0-4	131	147	69.7	61.2	58.5	57.8	60.2	101
460-343761-2	ISS-22_0-4	128	126	70.2	44.8	45.8	44.9	47.7	87.0
460-343761-3	ISS-23_0-4	148	143	95.2	57.0	52.0	55.2	65.5	94.2
460-343761-4	ISS-24_0-4	162	189	72.0	67.5	62.4	68.8	77.2	123
LCS 410-762368/2-A	Lab Control Sample	87.8	89.6	65.2	47.2	43.9	51.3	54.3	80.0
LCSD 410-762368/3-A	Lab Control Sample Dup	112	107	88.3	43.8	41.1	51.8	59.0	77.7
LLCS 410-762368/4-A	Lab Control Sample	90.7	76.6	63.6	32.8	29.5	38.5	43.5	57.0
MB 410-762368/1-A	Method Blank	117	110	99.7	42.2	37.9	47.8	53.9	81.2

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS

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Isotope Dilution Summary

Client: Haley & Aldrich Inc
Project/Site: Former Port Mobil
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoA = 13C2 PFDoA

Job ID: 460-343761-1

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: MB 460-1087307/1-A

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2-Chloronaphthalene	0.33	U	0.33	0.043	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
4-Nitroaniline	0.33	U	0.33	0.084	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.061	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		01/23/26 21:25	01/24/26 16:06	1

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: MB 460-1087307/1-A

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Phenol	0.33	U	0.33	0.012	mg/Kg		01/23/26 21:25	01/24/26 16:06	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		01/23/26 21:25	01/24/26 16:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		18 - 137	01/23/26 21:25	01/24/26 16:06	1
2-Fluorobiphenyl	72		33 - 117	01/23/26 21:25	01/24/26 16:06	1
2-Fluorophenol (Surr)	74		24 - 120	01/23/26 21:25	01/24/26 16:06	1
Nitrobenzene-d5 (Surr)	76		27 - 120	01/23/26 21:25	01/24/26 16:06	1
Phenol-d5 (Surr)	73		28 - 118	01/23/26 21:25	01/24/26 16:06	1
Terphenyl-d14 (Surr)	75		33 - 124	01/23/26 21:25	01/24/26 16:06	1

Lab Sample ID: LCS 460-1087307/2-A

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.09		mg/Kg		93	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	3.09		mg/Kg		93	60 - 120
1,4-Dioxane	3.33	2.56		mg/Kg		77	31 - 105
2,2'-oxybis[1-chloropropane]	3.33	2.90		mg/Kg		87	50 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.22		mg/Kg		97	62 - 120
2,4,5-Trichlorophenol	3.33	3.23		mg/Kg		97	64 - 120
2,4,6-Trichlorophenol	3.33	3.22		mg/Kg		97	65 - 120
2,4-Dichlorophenol	3.33	3.39		mg/Kg		102	66 - 120
2,4-Dimethylphenol	3.33	3.35		mg/Kg		101	75 - 136
2,4-Dinitrophenol	6.67	7.14		mg/Kg		107	41 - 120
2,4-Dinitrotoluene	3.33	3.37		mg/Kg		101	65 - 124
2,6-Dinitrotoluene	3.33	3.37		mg/Kg		101	67 - 121
2-Chloronaphthalene	3.33	3.10		mg/Kg		93	64 - 120

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCS 460-1087307/2-A

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
2-Chlorophenol	3.33	3.27		mg/Kg		98	63 - 120
2-Methylnaphthalene	3.33	3.34		mg/Kg		100	56 - 102
2-Methylphenol	3.33	3.22		mg/Kg		96	63 - 120
2-Nitroaniline	3.33	3.00		mg/Kg		90	52 - 120
2-Nitrophenol	3.33	3.31		mg/Kg		99	64 - 120
3 & 4 Methylphenol	3.33	3.37		mg/Kg		101	61 - 120
3,3'-Dichlorobenzidine	3.33	1.46		mg/Kg		44	10 - 106
3-Nitroaniline	3.33	1.48		mg/Kg		44	18 - 105
4,6-Dinitro-2-methylphenol	6.67	6.96		mg/Kg		104	61 - 127
4-Bromophenyl phenyl ether	3.33	3.38		mg/Kg		101	64 - 120
4-Chloro-3-methylphenol	3.33	3.35		mg/Kg		100	68 - 120
4-Chloroaniline	3.33	0.569		mg/Kg		17	10 - 107
4-Chlorophenyl phenyl ether	3.33	3.21		mg/Kg		96	62 - 120
4-Methylphenol	3.33	3.37		mg/Kg		101	61 - 120
4-Nitroaniline	3.33	3.06		mg/Kg		92	51 - 112
4-Nitrophenol	6.67	6.19		mg/Kg		93	52 - 122
Acenaphthene	3.33	3.06		mg/Kg		92	65 - 120
Acenaphthylene	3.33	3.26		mg/Kg		98	68 - 120
Acetophenone	3.33	3.28		mg/Kg		99	61 - 111
Anthracene	3.33	3.32		mg/Kg		100	67 - 120
Atrazine	1.33	1.72		mg/Kg		129	52 - 150
Benzaldehyde	1.33	1.62		mg/Kg		121	45 - 150
Benzo[a]anthracene	3.33	3.21		mg/Kg		96	66 - 120
Benzo[a]pyrene	3.33	3.27		mg/Kg		98	69 - 123
Benzo[b]fluoranthene	3.33	3.42		mg/Kg		103	66 - 125
Benzo[g,h,i]perylene	3.33	3.22		mg/Kg		96	66 - 138
Benzo[k]fluoranthene	3.33	3.25		mg/Kg		97	67 - 122
Bis(2-chloroethoxy)methane	3.33	3.24		mg/Kg		97	62 - 120
Bis(2-chloroethyl)ether	3.33	3.15		mg/Kg		95	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.46		mg/Kg		104	64 - 125
Butyl benzyl phthalate	3.33	3.61		mg/Kg		108	62 - 127
Caprolactam	1.33	1.67		mg/Kg		125	46 - 150
Carbazole	3.33	3.36		mg/Kg		101	64 - 120
Chrysene	3.33	3.36		mg/Kg		101	67 - 120
Dibenz(a,h)anthracene	3.33	3.25		mg/Kg		98	66 - 128
Dibenzofuran	3.33	3.18		mg/Kg		95	61 - 120
Diethyl phthalate	3.33	3.25		mg/Kg		98	63 - 120
Dimethyl phthalate	3.33	3.32		mg/Kg		99	65 - 120
Di-n-butyl phthalate	3.33	3.70		mg/Kg		111	61 - 120
Di-n-octyl phthalate	3.33	3.50		mg/Kg		105	61 - 123
Fluoranthene	3.33	3.35		mg/Kg		100	61 - 120
Fluorene	3.33	3.15		mg/Kg		95	64 - 120
Hexachlorobenzene	3.33	3.47		mg/Kg		104	66 - 120
Hexachlorobutadiene	3.33	3.23		mg/Kg		97	62 - 120
Hexachlorocyclopentadiene	3.33	2.95		mg/Kg		88	32 - 150
Hexachloroethane	3.33	3.09		mg/Kg		93	61 - 112
Indeno[1,2,3-cd]pyrene	3.33	3.09		mg/Kg		93	63 - 137
Isophorone	3.33	3.21		mg/Kg		96	61 - 120
Naphthalene	3.33	3.20		mg/Kg		96	63 - 113

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCS 460-1087307/2-A

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrobenzene	3.33	3.20		mg/Kg		96	63 - 120
N-Nitrosodi-n-propylamine	3.33	3.28		mg/Kg		98	60 - 120
N-Nitrosodiphenylamine	3.33	3.31		mg/Kg		99	63 - 120
Pentachlorophenol	6.67	6.80		mg/Kg		102	61 - 126
Phenanthrene	3.33	3.33		mg/Kg		100	66 - 120
Phenol	3.33	3.11		mg/Kg		93	63 - 120
Pyrene	3.33	3.32		mg/Kg		100	61 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	82		18 - 137
2-Fluorobiphenyl	78		33 - 117
2-Fluorophenol (Surr)	80		24 - 120
Nitrobenzene-d5 (Surr)	78		27 - 120
Phenol-d5 (Surr)	78		28 - 118
Terphenyl-d14 (Surr)	78		33 - 124

Lab Sample ID: LCSD 460-1087307/3-A

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	3.33	3.13		mg/Kg		94	64 - 120	2	30
1,2,4,5-Tetrachlorobenzene	3.33	3.14		mg/Kg		94	60 - 120	2	30
1,4-Dioxane	3.33	2.65		mg/Kg		79	31 - 105	4	30
2,2'-oxybis[1-chloropropane]	3.33	3.04		mg/Kg		91	50 - 126	5	30
2,3,4,6-Tetrachlorophenol	3.33	3.28		mg/Kg		98	62 - 120	2	30
2,4,5-Trichlorophenol	3.33	3.34		mg/Kg		100	64 - 120	3	30
2,4,6-Trichlorophenol	3.33	3.30		mg/Kg		99	65 - 120	2	30
2,4-Dichlorophenol	3.33	3.51		mg/Kg		105	66 - 120	3	30
2,4-Dimethylphenol	3.33	3.45		mg/Kg		104	75 - 136	3	30
2,4-Dinitrophenol	6.67	7.42		mg/Kg		111	41 - 120	4	30
2,4-Dinitrotoluene	3.33	3.40		mg/Kg		102	65 - 124	1	30
2,6-Dinitrotoluene	3.33	3.41		mg/Kg		102	67 - 121	1	30
2-Chloronaphthalene	3.33	3.18		mg/Kg		96	64 - 120	3	30
2-Chlorophenol	3.33	3.40		mg/Kg		102	63 - 120	4	30
2-Methylnaphthalene	3.33	3.42 *		mg/Kg		103	56 - 102	3	30
2-Methylphenol	3.33	3.32		mg/Kg		100	63 - 120	3	30
2-Nitroaniline	3.33	3.00		mg/Kg		90	52 - 120	0	30
2-Nitrophenol	3.33	3.47		mg/Kg		104	64 - 120	5	30
3 & 4 Methylphenol	3.33	3.45		mg/Kg		104	61 - 120	3	30
3,3'-Dichlorobenzidine	3.33	1.39		mg/Kg		42	10 - 106	5	30
3-Nitroaniline	3.33	1.32		mg/Kg		40	18 - 105	11	30
4,6-Dinitro-2-methylphenol	6.67	7.16		mg/Kg		107	61 - 127	3	30
4-Bromophenyl phenyl ether	3.33	3.48		mg/Kg		104	64 - 120	3	30
4-Chloro-3-methylphenol	3.33	3.46		mg/Kg		104	68 - 120	3	30
4-Chloroaniline	3.33	0.476		mg/Kg		14	10 - 107	18	30
4-Chlorophenyl phenyl ether	3.33	3.31		mg/Kg		99	62 - 120	3	30
4-Methylphenol	3.33	3.45		mg/Kg		104	61 - 120	3	30

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCSD 460-1087307/3-A

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline	3.33	3.01		mg/Kg		90	51 - 112	1	30
4-Nitrophenol	6.67	6.50		mg/Kg		98	52 - 122	5	30
Acenaphthene	3.33	3.17		mg/Kg		95	65 - 120	4	30
Acenaphthylene	3.33	3.31		mg/Kg		99	68 - 120	2	30
Acetophenone	3.33	3.39		mg/Kg		102	61 - 111	3	30
Anthracene	3.33	3.36		mg/Kg		101	67 - 120	1	30
Atrazine	1.33	1.67		mg/Kg		125	52 - 150	3	30
Benzaldehyde	1.33	1.59		mg/Kg		119	45 - 150	2	30
Benzo[a]anthracene	3.33	3.41		mg/Kg		102	66 - 120	6	30
Benzo[a]pyrene	3.33	3.41		mg/Kg		102	69 - 123	4	30
Benzo[b]fluoranthene	3.33	3.56		mg/Kg		107	66 - 125	4	30
Benzo[g,h,i]perylene	3.33	3.33		mg/Kg		100	66 - 138	4	30
Benzo[k]fluoranthene	3.33	3.39		mg/Kg		102	67 - 122	4	30
Bis(2-chloroethoxy)methane	3.33	3.35		mg/Kg		100	62 - 120	3	30
Bis(2-chloroethyl)ether	3.33	3.28		mg/Kg		98	60 - 120	4	30
Bis(2-ethylhexyl) phthalate	3.33	3.65		mg/Kg		109	64 - 125	5	30
Butyl benzyl phthalate	3.33	3.87		mg/Kg		116	62 - 127	7	30
Caprolactam	1.33	1.65		mg/Kg		123	46 - 150	1	30
Carbazole	3.33	3.39		mg/Kg		102	64 - 120	1	30
Chrysene	3.33	3.55		mg/Kg		106	67 - 120	5	30
Dibenz(a,h)anthracene	3.33	3.32		mg/Kg		100	66 - 128	2	30
Dibenzofuran	3.33	3.25		mg/Kg		98	61 - 120	2	30
Diethyl phthalate	3.33	3.31		mg/Kg		99	63 - 120	2	30
Dimethyl phthalate	3.33	3.35		mg/Kg		101	65 - 120	1	30
Di-n-butyl phthalate	3.33	3.74		mg/Kg		112	61 - 120	1	30
Di-n-octyl phthalate	3.33	3.78		mg/Kg		113	61 - 123	8	30
Fluoranthene	3.33	3.35		mg/Kg		100	61 - 120	0	30
Fluorene	3.33	3.24		mg/Kg		97	64 - 120	3	30
Hexachlorobenzene	3.33	3.58		mg/Kg		107	66 - 120	3	30
Hexachlorobutadiene	3.33	3.34		mg/Kg		100	62 - 120	3	30
Hexachlorocyclopentadiene	3.33	3.06		mg/Kg		92	32 - 150	4	30
Hexachloroethane	3.33	3.16		mg/Kg		95	61 - 112	2	30
Indeno[1,2,3-cd]pyrene	3.33	3.16		mg/Kg		95	63 - 137	2	30
Isophorone	3.33	3.34		mg/Kg		100	61 - 120	4	30
Naphthalene	3.33	3.23		mg/Kg		97	63 - 113	1	30
Nitrobenzene	3.33	3.34		mg/Kg		100	63 - 120	4	30
N-Nitrosodi-n-propylamine	3.33	3.38		mg/Kg		101	60 - 120	3	30
N-Nitrosodiphenylamine	3.33	3.39		mg/Kg		102	63 - 120	3	30
Pentachlorophenol	6.67	7.08		mg/Kg		106	61 - 126	4	30
Phenanthrene	3.33	3.40		mg/Kg		102	66 - 120	2	30
Phenol	3.33	3.16		mg/Kg		95	63 - 120	2	30
Pyrene	3.33	3.61		mg/Kg		108	61 - 121	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	84		18 - 137
2-Fluorobiphenyl	79		33 - 117
2-Fluorophenol (Surr)	82		24 - 120
Nitrobenzene-d5 (Surr)	79		27 - 120

Eurofins Edison

QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCSD 460-1087307/3-A

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1087307

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Phenol-d5 (Surr)	80		28 - 118
Terphenyl-d14 (Surr)	84		33 - 124

Lab Sample ID: 460-343724-H-1-A MS

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.64	U	6.45	5.49		mg/Kg	✱	85	64 - 120
1,2,4,5-Tetrachlorobenzene	0.64	U	6.45	5.42		mg/Kg	✱	84	60 - 120
1,4-Dioxane	0.064	U	6.45	4.54		mg/Kg	✱	70	31 - 105
2,2'-oxybis[1-chloropropane]	0.64	U	6.45	5.21		mg/Kg	✱	81	50 - 126
2,3,4,6-Tetrachlorophenol	0.64	U	6.45	5.74		mg/Kg	✱	89	62 - 120
2,4,5-Trichlorophenol	0.64	U	6.45	5.79		mg/Kg	✱	90	64 - 120
2,4,6-Trichlorophenol	0.26	U	6.45	5.75		mg/Kg	✱	89	65 - 120
2,4-Dichlorophenol	0.26	U	6.45	6.07		mg/Kg	✱	94	66 - 120
2,4-Dimethylphenol	0.64	U	6.45	5.84		mg/Kg	✱	91	75 - 136
2,4-Dinitrophenol	0.51	U	12.9	12.5		mg/Kg	✱	97	41 - 120
2,4-Dinitrotoluene	0.13	U	6.45	5.94		mg/Kg	✱	92	65 - 124
2,6-Dinitrotoluene	0.13	U	6.45	5.95		mg/Kg	✱	92	67 - 121
2-Chloronaphthalene	0.64	U	6.45	5.60		mg/Kg	✱	87	64 - 120
2-Chlorophenol	0.64	U	6.45	5.96		mg/Kg	✱	92	63 - 120
2-Methylnaphthalene	0.64	U *	6.45	6.01		mg/Kg	✱	93	56 - 102
2-Methylphenol	0.64	U	6.45	5.77		mg/Kg	✱	89	63 - 120
2-Nitroaniline	0.64	U	6.45	5.25		mg/Kg	✱	81	52 - 120
2-Nitrophenol	0.64	U	6.45	5.90		mg/Kg	✱	91	64 - 120
3 & 4 Methylphenol	0.64	U	6.45	6.07		mg/Kg	✱	94	61 - 120
3,3'-Dichlorobenzidine	0.26	U	6.45	1.87		mg/Kg	✱	29	10 - 106
3-Nitroaniline	0.64	U	6.45	1.87		mg/Kg	✱	29	18 - 105
4,6-Dinitro-2-methylphenol	0.51	U	12.9	12.2		mg/Kg	✱	95	61 - 127
4-Bromophenyl phenyl ether	0.64	U	6.45	6.10		mg/Kg	✱	95	64 - 120
4-Chloro-3-methylphenol	0.64	U	6.45	5.92		mg/Kg	✱	92	68 - 120
4-Chloroaniline	0.64	U	6.45	0.670		mg/Kg	✱	10	10 - 107
4-Chlorophenyl phenyl ether	0.64	U	6.45	5.74		mg/Kg	✱	89	62 - 120
4-Methylphenol	0.64	U	6.45	6.07		mg/Kg	✱	94	61 - 120
4-Nitroaniline	0.64	U	6.45	5.11		mg/Kg	✱	79	51 - 112
4-Nitrophenol	1.3	U	12.9	11.0		mg/Kg	✱	85	52 - 122
Acenaphthene	0.64	U	6.45	5.47		mg/Kg	✱	85	65 - 120
Acenaphthylene	0.64	U	6.45	5.75		mg/Kg	✱	89	68 - 120
Acetophenone	0.64	U	6.45	5.84		mg/Kg	✱	91	61 - 111
Anthracene	0.64	U	6.45	5.82		mg/Kg	✱	90	67 - 120
Atrazine	0.26	U	2.58	3.31		mg/Kg	✱	128	52 - 150
Benzaldehyde	0.64	U	2.58	3.13	E	mg/Kg	✱	121	45 - 150
Benzo[a]anthracene	0.064	U	6.45	5.73		mg/Kg	✱	89	66 - 120
Benzo[a]pyrene	0.064	U	6.45	5.75		mg/Kg	✱	89	69 - 123
Benzo[b]fluoranthene	0.018	J	6.45	5.94		mg/Kg	✱	92	66 - 125
Benzo[g,h,i]perylene	0.64	U	6.45	5.32		mg/Kg	✱	82	66 - 138
Benzo[k]fluoranthene	0.064	U	6.45	5.84		mg/Kg	✱	91	67 - 122

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: 460-343724-H-1-A MS

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	0.64	U	6.45	5.79		mg/Kg	☼	90	62 - 120
Bis(2-chloroethyl)ether	0.064	U	6.45	5.68		mg/Kg	☼	88	60 - 120
Bis(2-ethylhexyl) phthalate	0.64	U	6.45	6.18		mg/Kg	☼	96	64 - 125
Butyl benzyl phthalate	0.64	U	6.45	6.46		mg/Kg	☼	100	62 - 127
Caprolactam	0.64	U	2.58	3.19		mg/Kg	☼	124	46 - 150
Carbazole	0.64	U	6.45	5.87		mg/Kg	☼	91	64 - 120
Chrysene	0.64	U	6.45	5.96		mg/Kg	☼	92	67 - 120
Dibenz(a,h)anthracene	0.064	U	6.45	5.41		mg/Kg	☼	84	66 - 128
Dibenzofuran	0.64	U	6.45	5.69		mg/Kg	☼	88	61 - 120
Diethyl phthalate	0.64	U	6.45	5.76		mg/Kg	☼	89	63 - 120
Dimethyl phthalate	0.64	U	6.45	5.81		mg/Kg	☼	90	65 - 120
Di-n-butyl phthalate	0.64	U	6.45	6.53		mg/Kg	☼	101	61 - 120
Di-n-octyl phthalate	0.64	U	6.45	6.56		mg/Kg	☼	102	61 - 123
Fluoranthene	0.025	J	6.45	5.89		mg/Kg	☼	91	61 - 120
Fluorene	0.64	U	6.45	5.67		mg/Kg	☼	88	64 - 120
Hexachlorobenzene	0.064	U	6.45	6.16		mg/Kg	☼	96	66 - 120
Hexachlorobutadiene	0.13	U	6.45	5.74		mg/Kg	☼	89	62 - 120
Hexachlorocyclopentadiene	0.64	U	6.45	5.23		mg/Kg	☼	81	32 - 150
Hexachloroethane	0.064	U	6.45	5.58		mg/Kg	☼	86	61 - 112
Indeno[1,2,3-cd]pyrene	0.064	U	6.45	5.11		mg/Kg	☼	79	63 - 137
Isophorone	0.26	U	6.45	5.77		mg/Kg	☼	89	61 - 120
Naphthalene	0.64	U	6.45	5.68		mg/Kg	☼	88	63 - 113
Nitrobenzene	0.064	U	6.45	5.77		mg/Kg	☼	89	63 - 120
N-Nitrosodi-n-propylamine	0.064	U	6.45	5.88		mg/Kg	☼	91	60 - 120
N-Nitrosodiphenylamine	0.64	U	6.45	5.96		mg/Kg	☼	92	63 - 120
Pentachlorophenol	0.51	U	12.9	12.1		mg/Kg	☼	94	61 - 126
Phenanthrene	0.64	U	6.45	5.96		mg/Kg	☼	92	66 - 120
Phenol	0.64	U	6.45	5.44		mg/Kg	☼	84	63 - 120
Pyrene	0.025	J	6.45	6.20		mg/Kg	☼	96	61 - 121

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	74		18 - 137
2-Fluorobiphenyl	72		33 - 117
2-Fluorophenol (Surr)	74		24 - 120
Nitrobenzene-d5 (Surr)	72		27 - 120
Phenol-d5 (Surr)	73		28 - 118
Terphenyl-d14 (Surr)	72		33 - 124

Lab Sample ID: 460-343724-H-1-B MSD

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.64	U	6.47	4.56		mg/Kg	☼	70	64 - 120	19	30
1,2,4,5-Tetrachlorobenzene	0.64	U	6.47	4.61		mg/Kg	☼	71	60 - 120	16	30
1,4-Dioxane	0.064	U	6.47	3.63		mg/Kg	☼	56	31 - 105	22	30
2,2'-oxybis[1-chloropropane]	0.64	U	6.47	4.23		mg/Kg	☼	65	50 - 126	21	30
2,3,4,6-Tetrachlorophenol	0.64	U	6.47	4.92		mg/Kg	☼	76	62 - 120	15	30

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: 460-343724-H-1-B MSD

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	0.64	U	6.47	4.79		mg/Kg	☼	74	64 - 120	19	30
2,4,6-Trichlorophenol	0.26	U	6.47	4.86		mg/Kg	☼	75	65 - 120	17	30
2,4-Dichlorophenol	0.26	U	6.47	5.08		mg/Kg	☼	78	66 - 120	18	30
2,4-Dimethylphenol	0.64	U	6.47	4.93		mg/Kg	☼	76	75 - 136	17	30
2,4-Dinitrophenol	0.51	U	12.9	10.9		mg/Kg	☼	84	41 - 120	14	30
2,4-Dinitrotoluene	0.13	U	6.47	5.07		mg/Kg	☼	78	65 - 124	16	30
2,6-Dinitrotoluene	0.13	U	6.47	5.09		mg/Kg	☼	79	67 - 121	16	30
2-Chloronaphthalene	0.64	U	6.47	4.62		mg/Kg	☼	71	64 - 120	19	30
2-Chlorophenol	0.64	U	6.47	4.75		mg/Kg	☼	73	63 - 120	23	30
2-Methylnaphthalene	0.64	U *	6.47	5.02		mg/Kg	☼	78	56 - 102	18	30
2-Methylphenol	0.64	U	6.47	4.71		mg/Kg	☼	73	63 - 120	20	30
2-Nitroaniline	0.64	U	6.47	4.48		mg/Kg	☼	69	52 - 120	16	30
2-Nitrophenol	0.64	U	6.47	4.95		mg/Kg	☼	76	64 - 120	18	30
3 & 4 Methylphenol	0.64	U	6.47	4.93		mg/Kg	☼	76	61 - 120	21	30
3,3'-Dichlorobenzidine	0.26	U	6.47	1.40		mg/Kg	☼	22	10 - 106	28	30
3-Nitroaniline	0.64	U	6.47	1.60		mg/Kg	☼	25	18 - 105	16	30
4,6-Dinitro-2-methylphenol	0.51	U	12.9	10.4		mg/Kg	☼	80	61 - 127	16	30
4-Bromophenyl phenyl ether	0.64	U	6.47	5.08		mg/Kg	☼	79	64 - 120	18	30
4-Chloro-3-methylphenol	0.64	U	6.47	5.07		mg/Kg	☼	78	68 - 120	15	30
4-Chloroaniline	0.64	U	6.47	0.631 J		mg/Kg	☼	10	10 - 107	6	30
4-Chlorophenyl phenyl ether	0.64	U	6.47	4.83		mg/Kg	☼	75	62 - 120	17	30
4-Methylphenol	0.64	U	6.47	4.93		mg/Kg	☼	76	61 - 120	21	30
4-Nitroaniline	0.64	U	6.47	4.32		mg/Kg	☼	67	51 - 112	17	30
4-Nitrophenol	1.3	U	12.9	9.60		mg/Kg	☼	74	52 - 122	13	30
Acenaphthene	0.64	U	6.47	4.66		mg/Kg	☼	72	65 - 120	16	30
Acenaphthylene	0.64	U	6.47	4.87		mg/Kg	☼	75	68 - 120	17	30
Acetophenone	0.64	U	6.47	4.72		mg/Kg	☼	73	61 - 111	21	30
Anthracene	0.64	U	6.47	4.94		mg/Kg	☼	76	67 - 120	16	30
Atrazine	0.26	U	2.59	2.73		mg/Kg	☼	106	52 - 150	19	30
Benzaldehyde	0.64	U	2.59	2.40 E		mg/Kg	☼	93	45 - 150	27	30
Benzo[a]anthracene	0.064	U	6.47	4.94		mg/Kg	☼	76	66 - 120	15	30
Benzo[a]pyrene	0.064	U	6.47	5.04		mg/Kg	☼	78	69 - 123	13	30
Benzo[b]fluoranthene	0.018	J	6.47	5.23		mg/Kg	☼	81	66 - 125	13	30
Benzo[g,h,i]perylene	0.64	U	6.47	4.69		mg/Kg	☼	72	66 - 138	13	30
Benzo[k]fluoranthene	0.064	U	6.47	5.20		mg/Kg	☼	80	67 - 122	12	30
Bis(2-chloroethoxy)methane	0.64	U	6.47	4.78		mg/Kg	☼	74	62 - 120	19	30
Bis(2-chloroethyl)ether	0.064	U	6.47	4.60		mg/Kg	☼	71	60 - 120	21	30
Bis(2-ethylhexyl) phthalate	0.64	U	6.47	5.38		mg/Kg	☼	83	64 - 125	14	30
Butyl benzyl phthalate	0.64	U	6.47	5.63		mg/Kg	☼	87	62 - 127	14	30
Caprolactam	0.64	U	2.59	2.70		mg/Kg	☼	104	46 - 150	17	30
Carbazole	0.64	U	6.47	5.05		mg/Kg	☼	78	64 - 120	15	30
Chrysene	0.64	U	6.47	5.20		mg/Kg	☼	80	67 - 120	14	30
Dibenz(a,h)anthracene	0.064	U	6.47	4.77		mg/Kg	☼	74	66 - 128	13	30
Dibenzofuran	0.64	U	6.47	4.79		mg/Kg	☼	74	61 - 120	17	30
Diethyl phthalate	0.64	U	6.47	4.91		mg/Kg	☼	76	63 - 120	16	30
Dimethyl phthalate	0.64	U	6.47	4.96		mg/Kg	☼	77	65 - 120	16	30
Di-n-butyl phthalate	0.64	U	6.47	5.64		mg/Kg	☼	87	61 - 120	15	30
Di-n-octyl phthalate	0.64	U	6.47	5.73		mg/Kg	☼	89	61 - 123	14	30
Fluoranthene	0.025	J	6.47	5.02		mg/Kg	☼	77	61 - 120	16	30

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: 460-343724-H-1-B MSD

Matrix: Solid

Analysis Batch: 1087429

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1087307

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene	0.64	U	6.47	4.77		mg/Kg	☼	74	64 - 120	17	30
Hexachlorobenzene	0.064	U	6.47	5.24		mg/Kg	☼	81	66 - 120	16	30
Hexachlorobutadiene	0.13	U	6.47	4.75		mg/Kg	☼	74	62 - 120	19	30
Hexachlorocyclopentadiene	0.64	U	6.47	4.33		mg/Kg	☼	67	32 - 150	19	30
Hexachloroethane	0.064	U	6.47	4.59		mg/Kg	☼	71	61 - 112	20	30
Indeno[1,2,3-cd]pyrene	0.064	U	6.47	4.52		mg/Kg	☼	70	63 - 137	12	30
Isophorone	0.26	U	6.47	4.78		mg/Kg	☼	74	61 - 120	19	30
Naphthalene	0.64	U	6.47	4.74		mg/Kg	☼	73	63 - 113	18	30
Nitrobenzene	0.064	U	6.47	4.72		mg/Kg	☼	73	63 - 120	20	30
N-Nitrosodi-n-propylamine	0.064	U	6.47	4.79		mg/Kg	☼	74	60 - 120	20	30
N-Nitrosodiphenylamine	0.64	U	6.47	5.03		mg/Kg	☼	78	63 - 120	17	30
Pentachlorophenol	0.51	U	12.9	10.3		mg/Kg	☼	80	61 - 126	16	30
Phenanthrene	0.64	U	6.47	5.04		mg/Kg	☼	78	66 - 120	17	30
Phenol	0.64	U	6.47	4.43		mg/Kg	☼	68	63 - 120	21	30
Pyrene	0.025	J	6.47	5.24		mg/Kg	☼	81	61 - 121	17	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	66		18 - 137
2-Fluorobiphenyl	62		33 - 117
2-Fluorophenol (Surr)	62		24 - 120
Nitrobenzene-d5 (Surr)	62		27 - 120
Phenol-d5 (Surr)	60		28 - 118
Terphenyl-d14 (Surr)	65		33 - 124

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1087289/1-A

Matrix: Solid

Analysis Batch: 1087502

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1087289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		01/23/26 18:22	01/27/26 12:05	1

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: MB 460-1087289/1-A

Matrix: Solid

Analysis Batch: 1087502

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1087289

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		01/23/26 18:22	01/27/26 12:05	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		01/23/26 18:22	01/27/26 12:05	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	96		10 - 150	01/23/26 18:22	01/27/26 12:05	1
DCB Decachlorobiphenyl	88		10 - 150	01/23/26 18:22	01/27/26 12:05	1
Tetrachloro-m-xylene	91		14 - 150	01/23/26 18:22	01/27/26 12:05	1
Tetrachloro-m-xylene	92		14 - 150	01/23/26 18:22	01/27/26 12:05	1

Lab Sample ID: LCS 460-1087289/2-A

Matrix: Solid

Analysis Batch: 1087502

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1087289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.125		mg/Kg		94	71 - 134
4,4'-DDD	0.133	0.141		mg/Kg		106	71 - 134
4,4'-DDE	0.133	0.132		mg/Kg		99	71 - 137
4,4'-DDE	0.133	0.150		mg/Kg		113	71 - 137
4,4'-DDT	0.133	0.137		mg/Kg		103	69 - 140
4,4'-DDT	0.133	0.157		mg/Kg		118	69 - 140
Aldrin	0.133	0.126		mg/Kg		94	68 - 136
Aldrin	0.133	0.141		mg/Kg		106	68 - 136
alpha-BHC	0.133	0.132		mg/Kg		99	71 - 136
alpha-BHC	0.133	0.149		mg/Kg		111	71 - 136
beta-BHC	0.133	0.129		mg/Kg		97	67 - 133
beta-BHC	0.133	0.145		mg/Kg		109	67 - 133

Eurofins Edison

QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCS 460-1087289/2-A

Matrix: Solid

Analysis Batch: 1087502

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1087289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-Chlordane	0.133	0.126		mg/Kg		95	70 - 140
cis-Chlordane	0.133	0.142		mg/Kg		106	70 - 140
delta-BHC	0.133	0.125		mg/Kg		94	70 - 135
delta-BHC	0.133	0.140		mg/Kg		105	70 - 135
Dieldrin	0.133	0.124		mg/Kg		93	71 - 135
Dieldrin	0.133	0.134		mg/Kg		101	71 - 135
Endosulfan I	0.133	0.125		mg/Kg		94	70 - 141
Endosulfan I	0.133	0.139		mg/Kg		104	70 - 141
Endosulfan II	0.133	0.123		mg/Kg		92	75 - 141
Endosulfan II	0.133	0.136		mg/Kg		102	75 - 141
Endosulfan sulfate	0.133	0.122		mg/Kg		91	67 - 130
Endosulfan sulfate	0.133	0.128		mg/Kg		96	67 - 130
Endrin	0.133	0.131		mg/Kg		98	66 - 143
Endrin	0.133	0.143		mg/Kg		107	66 - 143
Endrin aldehyde	0.133	0.127		mg/Kg		95	70 - 132
Endrin aldehyde	0.133	0.123		mg/Kg		92	70 - 132
Endrin ketone	0.133	0.121		mg/Kg		91	66 - 137
Endrin ketone	0.133	0.128		mg/Kg		96	66 - 137
gamma-BHC (Lindane)	0.133	0.133		mg/Kg		100	71 - 137
gamma-BHC (Lindane)	0.133	0.148		mg/Kg		111	71 - 137
Heptachlor	0.133	0.135		mg/Kg		101	70 - 140
Heptachlor	0.133	0.150		mg/Kg		112	70 - 140
Heptachlor epoxide	0.133	0.125		mg/Kg		93	70 - 135
Heptachlor epoxide	0.133	0.136		mg/Kg		102	70 - 135
Methoxychlor	0.133	0.130		mg/Kg		98	63 - 138
Methoxychlor	0.133	0.141		mg/Kg		106	63 - 138

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	97		10 - 150
DCB Decachlorobiphenyl	98		10 - 150
Tetrachloro-m-xylene	93		14 - 150
Tetrachloro-m-xylene	106		14 - 150

Lab Sample ID: LCSD 460-1087289/3-A

Matrix: Solid

Analysis Batch: 1087502

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1087289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.133	0.121		mg/Kg		91	71 - 134	4	30
4,4'-DDD	0.133	0.130		mg/Kg		97	71 - 134	8	30
4,4'-DDE	0.133	0.127		mg/Kg		95	71 - 137	4	30
4,4'-DDE	0.133	0.139		mg/Kg		104	71 - 137	8	30
4,4'-DDT	0.133	0.133		mg/Kg		100	69 - 140	3	30
4,4'-DDT	0.133	0.146		mg/Kg		110	69 - 140	7	30
Aldrin	0.133	0.121		mg/Kg		91	68 - 136	4	30
Aldrin	0.133	0.131		mg/Kg		98	68 - 136	8	30
alpha-BHC	0.133	0.129		mg/Kg		96	71 - 136	2	30
alpha-BHC	0.133	0.136		mg/Kg		102	71 - 136	9	30

Eurofins Edison

QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCSD 460-1087289/3-A

Matrix: Solid

Analysis Batch: 1087502

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1087289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
beta-BHC	0.133	0.123		mg/Kg		92	67 - 133	4	30
beta-BHC	0.133	0.135		mg/Kg		101	67 - 133	8	30
cis-Chlordane	0.133	0.122		mg/Kg		92	70 - 140	3	30
cis-Chlordane	0.133	0.132		mg/Kg		99	70 - 140	7	30
delta-BHC	0.133	0.121		mg/Kg		91	70 - 135	3	30
delta-BHC	0.133	0.131		mg/Kg		98	70 - 135	7	30
Dieldrin	0.133	0.120		mg/Kg		90	71 - 135	4	30
Dieldrin	0.133	0.125		mg/Kg		94	71 - 135	7	30
Endosulfan I	0.133	0.121		mg/Kg		91	70 - 141	3	30
Endosulfan I	0.133	0.131		mg/Kg		98	70 - 141	6	30
Endosulfan II	0.133	0.118		mg/Kg		88	75 - 141	4	30
Endosulfan II	0.133	0.127		mg/Kg		95	75 - 141	7	30
Endosulfan sulfate	0.133	0.118		mg/Kg		88	67 - 130	3	30
Endosulfan sulfate	0.133	0.121		mg/Kg		91	67 - 130	6	30
Endrin	0.133	0.126		mg/Kg		95	66 - 143	4	30
Endrin	0.133	0.133		mg/Kg		100	66 - 143	7	30
Endrin aldehyde	0.133	0.122		mg/Kg		92	70 - 132	4	30
Endrin aldehyde	0.133	0.115		mg/Kg		86	70 - 132	7	30
Endrin ketone	0.133	0.119		mg/Kg		89	66 - 137	1	30
Endrin ketone	0.133	0.120		mg/Kg		90	66 - 137	7	30
gamma-BHC (Lindane)	0.133	0.129		mg/Kg		97	71 - 137	3	30
gamma-BHC (Lindane)	0.133	0.137		mg/Kg		103	71 - 137	8	30
Heptachlor	0.133	0.129		mg/Kg		97	70 - 140	4	30
Heptachlor	0.133	0.140		mg/Kg		105	70 - 140	7	30
Heptachlor epoxide	0.133	0.120		mg/Kg		90	70 - 135	4	30
Heptachlor epoxide	0.133	0.127		mg/Kg		95	70 - 135	7	30
Methoxychlor	0.133	0.127		mg/Kg		95	63 - 138	3	30
Methoxychlor	0.133	0.132		mg/Kg		99	63 - 138	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	94		10 - 150
DCB Decachlorobiphenyl	92		10 - 150
Tetrachloro-m-xylene	92		14 - 150
Tetrachloro-m-xylene	99		14 - 150

Lab Sample ID: 460-343195-B-8-D MS

Matrix: Solid

Analysis Batch: 1087502

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1087289

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0067	U	0.133	0.0990		mg/Kg	✖	74	71 - 134
4,4'-DDD	0.0067	U	0.133	0.103		mg/Kg	✖	77	71 - 134
4,4'-DDE	0.0067	U	0.133	0.104		mg/Kg	✖	78	71 - 137
4,4'-DDE	0.0067	U	0.133	0.107		mg/Kg	✖	80	71 - 137
4,4'-DDT	0.0067	U	0.133	0.113		mg/Kg	✖	85	69 - 140
4,4'-DDT	0.0067	U	0.133	0.118		mg/Kg	✖	88	69 - 140
Aldrin	0.0067	U	0.133	0.0972		mg/Kg	✖	73	68 - 136
Aldrin	0.0067	U	0.133	0.0976		mg/Kg	✖	73	68 - 136

Eurofins Edison

QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: 460-343195-B-8-D MS

Matrix: Solid

Analysis Batch: 1087502

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1087289

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	0.0020	U	0.133	0.100		mg/Kg	☼	75	71 - 136
alpha-BHC	0.0020	U	0.133	0.101		mg/Kg	☼	75	71 - 136
beta-BHC	0.0020	U	0.133	0.0920		mg/Kg	☼	69	67 - 133
beta-BHC	0.0020	U	0.133	0.101		mg/Kg	☼	76	67 - 133
cis-Chlordane	0.0067	U	0.133	0.0976		mg/Kg	☼	73	70 - 140
cis-Chlordane	0.0067	U	0.133	0.100		mg/Kg	☼	75	70 - 140
delta-BHC	0.0020	U	0.133	0.0978		mg/Kg	☼	73	70 - 135
delta-BHC	0.0020	U	0.133	0.0976		mg/Kg	☼	73	70 - 135
Dieldrin	0.0020	U	0.133	0.101		mg/Kg	☼	76	71 - 135
Dieldrin	0.0020	U	0.133	0.0994		mg/Kg	☼	74	71 - 135
Endosulfan I	0.0067	U	0.133	0.0989		mg/Kg	☼	74	70 - 141
Endosulfan I	0.0067	U	0.133	0.103		mg/Kg	☼	77	70 - 141
Endosulfan II	0.0067	U	0.133	0.0997		mg/Kg	☼	75	75 - 141
Endosulfan II	0.0067	U	0.133	0.101		mg/Kg	☼	76	75 - 141
Endosulfan sulfate	0.0067	U	0.133	0.100		mg/Kg	☼	75	67 - 130
Endosulfan sulfate	0.0067	U	0.133	0.0935		mg/Kg	☼	70	67 - 130
Endrin	0.0067	U	0.133	0.111		mg/Kg	☼	83	66 - 143
Endrin	0.0067	U	0.133	0.112		mg/Kg	☼	84	66 - 143
Endrin aldehyde	0.0067	U	0.133	0.102		mg/Kg	☼	76	70 - 132
Endrin aldehyde	0.0067	U	0.133	0.0891	*	mg/Kg	☼	67	70 - 132
Endrin ketone	0.0067	U	0.133	0.101		mg/Kg	☼	75	66 - 137
Endrin ketone	0.0067	U	0.133	0.0962		mg/Kg	☼	72	66 - 137
gamma-BHC (Lindane)	0.0020	U	0.133	0.100		mg/Kg	☼	75	71 - 137
gamma-BHC (Lindane)	0.0020	U	0.133	0.101		mg/Kg	☼	75	71 - 137
Heptachlor	0.0067	U	0.133	0.105		mg/Kg	☼	79	70 - 140
Heptachlor	0.0067	U	0.133	0.109		mg/Kg	☼	81	70 - 140
Heptachlor epoxide	0.0067	U	0.133	0.0999		mg/Kg	☼	75	70 - 135
Heptachlor epoxide	0.0067	U	0.133	0.101		mg/Kg	☼	76	70 - 135
Methoxychlor	0.0067	U	0.133	0.111		mg/Kg	☼	83	63 - 138
Methoxychlor	0.0067	U	0.133	0.112		mg/Kg	☼	84	63 - 138

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	73		10 - 150
DCB Decachlorobiphenyl	65		10 - 150
Tetrachloro-m-xylene	73		14 - 150
Tetrachloro-m-xylene	79		14 - 150

Lab Sample ID: 460-343195-B-8-E MSD

Matrix: Solid

Analysis Batch: 1087502

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1087289

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0067	U	0.134	0.107		mg/Kg	☼	80	71 - 134	8	30
4,4'-DDD	0.0067	U	0.134	0.113		mg/Kg	☼	84	71 - 134	9	30
4,4'-DDE	0.0067	U	0.134	0.112		mg/Kg	☼	84	71 - 137	7	30
4,4'-DDE	0.0067	U	0.134	0.117		mg/Kg	☼	88	71 - 137	9	30
4,4'-DDT	0.0067	U	0.134	0.121		mg/Kg	☼	90	69 - 140	7	30
4,4'-DDT	0.0067	U	0.134	0.128		mg/Kg	☼	95	69 - 140	8	30

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: 460-343195-B-8-E MSD

Matrix: Solid

Analysis Batch: 1087502

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1087289

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin	0.0067	U	0.134	0.104		mg/Kg	☼	78	68 - 136	7	30
Aldrin	0.0067	U	0.134	0.106		mg/Kg	☼	80	68 - 136	9	30
alpha-BHC	0.0020	U	0.134	0.108		mg/Kg	☼	81	71 - 136	7	30
alpha-BHC	0.0020	U	0.134	0.109		mg/Kg	☼	82	71 - 136	8	30
beta-BHC	0.0020	U	0.134	0.0985		mg/Kg	☼	74	67 - 133	7	30
beta-BHC	0.0020	U	0.134	0.109		mg/Kg	☼	82	67 - 133	8	30
cis-Chlordane	0.0067	U	0.134	0.105		mg/Kg	☼	78	70 - 140	7	30
cis-Chlordane	0.0067	U	0.134	0.109		mg/Kg	☼	82	70 - 140	9	30
delta-BHC	0.0020	U	0.134	0.104		mg/Kg	☼	78	70 - 135	7	30
delta-BHC	0.0020	U	0.134	0.105		mg/Kg	☼	79	70 - 135	8	30
Dieldrin	0.0020	U	0.134	0.109		mg/Kg	☼	82	71 - 135	7	30
Dieldrin	0.0020	U	0.134	0.109		mg/Kg	☼	81	71 - 135	9	30
Endosulfan I	0.0067	U	0.134	0.106		mg/Kg	☼	79	70 - 141	7	30
Endosulfan I	0.0067	U	0.134	0.112		mg/Kg	☼	84	70 - 141	9	30
Endosulfan II	0.0067	U	0.134	0.107		mg/Kg	☼	80	75 - 141	7	30
Endosulfan II	0.0067	U	0.134	0.110		mg/Kg	☼	83	75 - 141	9	30
Endosulfan sulfate	0.0067	U	0.134	0.107		mg/Kg	☼	80	67 - 130	6	30
Endosulfan sulfate	0.0067	U	0.134	0.101		mg/Kg	☼	75	67 - 130	8	30
Endrin	0.0067	U	0.134	0.119		mg/Kg	☼	89	66 - 143	7	30
Endrin	0.0067	U	0.134	0.122		mg/Kg	☼	91	66 - 143	9	30
Endrin aldehyde	0.0067	U	0.134	0.109		mg/Kg	☼	82	70 - 132	7	30
Endrin aldehyde	0.0067	U	0.134	0.0970		mg/Kg	☼	73	70 - 132	9	30
Endrin ketone	0.0067	U	0.134	0.108		mg/Kg	☼	81	66 - 137	7	30
Endrin ketone	0.0067	U	0.134	0.104		mg/Kg	☼	78	66 - 137	8	30
gamma-BHC (Lindane)	0.0020	U	0.134	0.107		mg/Kg	☼	80	71 - 137	7	30
gamma-BHC (Lindane)	0.0020	U	0.134	0.110		mg/Kg	☼	82	71 - 137	8	30
Heptachlor	0.0067	U	0.134	0.112		mg/Kg	☼	84	70 - 140	6	30
Heptachlor	0.0067	U	0.134	0.118		mg/Kg	☼	88	70 - 140	8	30
Heptachlor epoxide	0.0067	U	0.134	0.107		mg/Kg	☼	80	70 - 135	7	30
Heptachlor epoxide	0.0067	U	0.134	0.110		mg/Kg	☼	82	70 - 135	8	30
Methoxychlor	0.0067	U	0.134	0.119		mg/Kg	☼	89	63 - 138	7	30
Methoxychlor	0.0067	U	0.134	0.121		mg/Kg	☼	91	63 - 138	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	80		10 - 150
DCB Decachlorobiphenyl	69		10 - 150
Tetrachloro-m-xylene	77		14 - 150
Tetrachloro-m-xylene	84		14 - 150

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

Lab Sample ID: MB 460-1087272/1-A

Matrix: Solid

Analysis Batch: 1087395

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1087272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: MB 460-1087272/1-A

Matrix: Solid

Analysis Batch: 1087395

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1087272

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		01/23/26 17:56	01/24/26 17:02	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	99		10 - 150	01/23/26 17:56	01/24/26 17:02	1
DCB Decachlorobiphenyl	130		10 - 150	01/23/26 17:56	01/24/26 17:02	1
Tetrachloro-m-xylene	120		10 - 150	01/23/26 17:56	01/24/26 17:02	1
Tetrachloro-m-xylene	120		10 - 150	01/23/26 17:56	01/24/26 17:02	1

Lab Sample ID: LCS 460-1087272/2-A

Matrix: Solid

Analysis Batch: 1087395

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1087272

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aroclor 1016	0.333	0.305		mg/Kg		91	59 - 149
Aroclor 1016	0.333	0.304		mg/Kg		91	59 - 149
Aroclor 1260	0.333	0.233	p	mg/Kg		70	62 - 145
Aroclor 1260	0.333	0.359		mg/Kg		108	62 - 145

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	55		10 - 150
DCB Decachlorobiphenyl	78		10 - 150
Tetrachloro-m-xylene	82		10 - 150
Tetrachloro-m-xylene	85		10 - 150

Lab Sample ID: LCSD 460-1087272/3-A

Matrix: Solid

Analysis Batch: 1087395

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1087272

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Aroclor 1016	0.333	0.345		mg/Kg		104	59 - 149	13	30
Aroclor 1016	0.333	0.329		mg/Kg		99	59 - 149	8	30
Aroclor 1260	0.333	0.255	p	mg/Kg		77	62 - 145	9	30

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCSD 460-1087272/3-A

Matrix: Solid

Analysis Batch: 1087395

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1087272

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1260	0.333	0.385		mg/Kg		116	62 - 145	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	60		10 - 150
DCB Decachlorobiphenyl	90		10 - 150
Tetrachloro-m-xylene	83		10 - 150
Tetrachloro-m-xylene	79		10 - 150

Lab Sample ID: 460-343195-B-8-A MS

Matrix: Solid

Analysis Batch: 1087395

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1087272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.067	U	0.335	0.389		mg/Kg	⚠	116	59 - 149
Aroclor 1016	0.067	U	0.335	0.415		mg/Kg	⚠	124	59 - 149
Aroclor 1260	0.067	U	0.335	0.352		mg/Kg	⚠	105	62 - 145
Aroclor 1260	0.067	U	0.335	0.452		mg/Kg	⚠	135	62 - 145

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	95		10 - 150
DCB Decachlorobiphenyl	117		10 - 150
Tetrachloro-m-xylene	113		10 - 150
Tetrachloro-m-xylene	109		10 - 150

Lab Sample ID: 460-343195-B-8-B MSD

Matrix: Solid

Analysis Batch: 1087395

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1087272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.067	U	0.334	0.364		mg/Kg	⚠	109	59 - 149	7	30
Aroclor 1016	0.067	U	0.334	0.373		mg/Kg	⚠	112	59 - 149	11	30
Aroclor 1260	0.067	U	0.334	0.327		mg/Kg	⚠	98	62 - 145	8	30
Aroclor 1260	0.067	U	0.334	0.429		mg/Kg	⚠	128	62 - 145	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	82		10 - 150
DCB Decachlorobiphenyl	113		10 - 150
Tetrachloro-m-xylene	106		10 - 150
Tetrachloro-m-xylene	101		10 - 150

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

Lab Sample ID: MB 410-762368/1-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 762368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.40	U	0.40	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: MB 410-762368/1-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 762368

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.060	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.060	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorotridecanoic acid (PFTTrDA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.00	U	1.00	0.50	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.00	U	1.00	0.50	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Nonfluoro-3,6-dioxahexanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: MB 410-762368/1-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 762368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.00	U	1.00	0.50	ug/Kg		01/29/26 19:35	01/30/26 15:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.00	U	1.00	0.50	ug/Kg		01/29/26 19:35	01/30/26 15:38	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89.3		8 - 130	01/29/26 19:35	01/30/26 15:38	1
13C5 PFPeA	92.1		35 - 130	01/29/26 19:35	01/30/26 15:38	1
13C5 PFHxA	91.4		40 - 130	01/29/26 19:35	01/30/26 15:38	1
13C4 PFHpA	98.2		40 - 130	01/29/26 19:35	01/30/26 15:38	1
13C8 PFOA	92.1		40 - 130	01/29/26 19:35	01/30/26 15:38	1
13C9 PFNA	91.6		40 - 130	01/29/26 19:35	01/30/26 15:38	1
13C6 PFDA	91.2		40 - 130	01/29/26 19:35	01/30/26 15:38	1
13C7 PFUnA	85.7		40 - 130	01/29/26 19:35	01/30/26 15:38	1
13C2 PFTeDA	61.2		20 - 130	01/29/26 19:35	01/30/26 15:38	1
13C3 PFBS	92.9		40 - 135	01/29/26 19:35	01/30/26 15:38	1
13C3 PFHxS	92.7		40 - 130	01/29/26 19:35	01/30/26 15:38	1
13C8 PFOS	81.1		40 - 130	01/29/26 19:35	01/30/26 15:38	1
13C8 FOSA	74.6		40 - 130	01/29/26 19:35	01/30/26 15:38	1
d3-NMeFOSAA	79.2		40 - 135	01/29/26 19:35	01/30/26 15:38	1
d5-NEtFOSAA	88.4		40 - 150	01/29/26 19:35	01/30/26 15:38	1
13C2 4:2 FTS	111		40 - 165	01/29/26 19:35	01/30/26 15:38	1
13C2 6:2 FTS	117		40 - 215	01/29/26 19:35	01/30/26 15:38	1
13C2 8:2 FTS	110		40 - 275	01/29/26 19:35	01/30/26 15:38	1
13C3 HFPO-DA	99.7		40 - 130	01/29/26 19:35	01/30/26 15:38	1
d7-N-MeFOSE-M	42.2		20 - 130	01/29/26 19:35	01/30/26 15:38	1
d9-N-EtFOSE-M	37.9		15 - 130	01/29/26 19:35	01/30/26 15:38	1
d5-NEtPFOSA	47.8		10 - 130	01/29/26 19:35	01/30/26 15:38	1
d3-NMePFOSA	53.9		10 - 130	01/29/26 19:35	01/30/26 15:38	1
13C2 PFDoA	81.2		40 - 130	01/29/26 19:35	01/30/26 15:38	1

Lab Sample ID: LCS 410-762368/2-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 762368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	5.491		ug/Kg		110	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.653		ug/Kg		106	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.567		ug/Kg		103	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.565		ug/Kg		103	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.465		ug/Kg		99	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.219		ug/Kg		89	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.414		ug/Kg		97	70 - 155

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCS 410-762368/2-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 762368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.50	2.506		ug/Kg		100	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.681		ug/Kg		107	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.596		ug/Kg		104	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.765		ug/Kg		111	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.318		ug/Kg		104	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.025		ug/Kg		86	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.388		ug/Kg		105	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.383		ug/Kg		100	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.313		ug/Kg		99	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	2.768		ug/Kg		115	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.41	2.378		ug/Kg		99	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.089		ug/Kg		86	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.964		ug/Kg		106	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	5.571		ug/Kg		117	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.889		ug/Kg		102	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.502		ug/Kg		100	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.786		ug/Kg		111	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.782		ug/Kg		111	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.134		ug/Kg		85	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.700		ug/Kg		108	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	13.24		ug/Kg		106	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	13.32		ug/Kg		107	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	2.057		ug/Kg		110	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.585		ug/Kg		109	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.805		ug/Kg		112	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.504		ug/Kg		100	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.314		ug/Kg		93	60 - 155

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCS 410-762368/2-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 762368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	2.464		ug/Kg		106	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	2.357		ug/Kg		100	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.23	2.271		ug/Kg		102	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	4.626		ug/Kg		93	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	12.11		ug/Kg		97	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	13.47		ug/Kg		108	60 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	61.2		8 - 130
13C5 PFPeA	61.5		35 - 130
13C5 PFHxA	64.3		40 - 130
13C4 PFHpA	67.3		40 - 130
13C8 PFOA	70.5		40 - 130
13C9 PFNA	74.3		40 - 130
13C6 PFDA	70.3		40 - 130
13C7 PFUnA	78.5		40 - 130
13C2 PFTeDA	62.7		20 - 130
13C3 PFBS	68.7		40 - 135
13C3 PFHxS	68.8		40 - 130
13C8 PFOS	77.5		40 - 130
13C8 FOSA	68.7		40 - 130
d3-NMeFOSAA	76.7		40 - 135
d5-NEtFOSAA	83.9		40 - 150
13C2 4:2 FTS	77.5		40 - 165
13C2 6:2 FTS	87.8		40 - 215
13C2 8:2 FTS	89.6		40 - 275
13C3 HFPO-DA	65.2		40 - 130
d7-N-MeFOSE-M	47.2		20 - 130
d9-N-EtFOSE-M	43.9		15 - 130
d5-NEtPFOSA	51.3		10 - 130
d3-NMePFOSA	54.3		10 - 130
13C2 PFDoA	80.0		40 - 130

Lab Sample ID: LCSD 410-762368/3-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 762368

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	5.00	4.954		ug/Kg		99	70 - 140	10	30
Perfluoropentanoic acid (PFPeA)	2.50	2.465		ug/Kg		99	60 - 150	7	30
Perfluorohexanoic acid (PFHxA)	2.50	2.481		ug/Kg		99	65 - 140	3	30
Perfluoroheptanoic acid (PFHpA)	2.50	2.431		ug/Kg		97	65 - 145	5	30
Perfluorooctanoic acid (PFOA)	2.50	2.373		ug/Kg		95	70 - 150	4	30

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCSD 410-762368/3-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 762368

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorononanoic acid (PFNA)	2.50	2.239		ug/Kg		90	70 - 155	1	30
Perfluorodecanoic acid (PFDA)	2.50	2.299		ug/Kg		92	70 - 155	5	30
Perfluoroundecanoic acid (PFUnA)	2.50	2.493		ug/Kg		100	70 - 155	1	30
Perfluorododecanoic acid (PFDoA)	2.50	2.592		ug/Kg		104	70 - 150	3	30
Perfluorotridecanoic acid (PFTrDA)	2.50	2.332		ug/Kg		93	65 - 150	11	30
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.166		ug/Kg		87	65 - 150	24	30
Perfluorobutanesulfonic acid (PFBS)	2.22	2.148		ug/Kg		97	65 - 145	8	30
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.367		ug/Kg		101	55 - 160	16	30
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.074		ug/Kg		91	60 - 150	14	30
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.286		ug/Kg		96	65 - 155	4	30
Perfluorooctanesulfonic acid (PFOS)	2.33	2.371		ug/Kg		102	65 - 160	2	30
Perfluorononanesulfonic acid (PFNS)	2.41	2.257		ug/Kg		94	55 - 140	20	30
Perfluorodecanesulfonic acid (PFDS)	2.41	1.988		ug/Kg		82	40 - 155	18	30
Perfluorododecanesulfonic acid (PFDoS)	2.43	1.629		ug/Kg		67	25 - 160	25	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.580		ug/Kg		98	60 - 150	8	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.666		ug/Kg		98	55 - 200	18	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.584		ug/Kg		96	70 - 150	6	30
Perfluorooctanesulfonamide (PFOSA)	2.50	2.380		ug/Kg		95	70 - 140	5	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.661		ug/Kg		106	70 - 155	5	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.703		ug/Kg		108	70 - 140	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.456		ug/Kg		98	65 - 155	14	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.350		ug/Kg		94	65 - 165	14	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	12.97		ug/Kg		104	70 - 140	2	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	12.28		ug/Kg		98	70 - 135	8	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	1.936		ug/Kg		103	70 - 145	6	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.478		ug/Kg		105	70 - 160	4	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.605		ug/Kg		104	30 - 140	7	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.343		ug/Kg		94	60 - 150	7	30

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCSD 410-762368/3-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 762368

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.439		ug/Kg		98	60 - 155	5	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	2.144		ug/Kg		92	70 - 150	14	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	1.944		ug/Kg		82	45 - 160	19	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	2.23	2.410		ug/Kg		108	70 - 140	6	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	4.447		ug/Kg		89	45 - 130	4	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	10.91		ug/Kg		87	60 - 130	10	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	11.24		ug/Kg		90	60 - 150	18	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	87.2		8 - 130
13C5 PFPeA	87.3		35 - 130
13C5 PFHxA	85.8		40 - 130
13C4 PFHpA	93.6		40 - 130
13C8 PFOA	85.9		40 - 130
13C9 PFNA	88.6		40 - 130
13C6 PFDA	85.8		40 - 130
13C7 PFUnA	81.9		40 - 130
13C2 PFTeDA	64.5		20 - 130
13C3 PFBS	93.9		40 - 135
13C3 PFHxS	92.7		40 - 130
13C8 PFOS	90.0		40 - 130
13C8 FOSA	76.6		40 - 130
d3-NMeFOSAA	82.3		40 - 135
d5-NEtFOSAA	86.8		40 - 150
13C2 4:2 FTS	106		40 - 165
13C2 6:2 FTS	112		40 - 215
13C2 8:2 FTS	107		40 - 275
13C3 HFPO-DA	88.3		40 - 130
d7-N-MeFOSE-M	43.8		20 - 130
d9-N-EtFOSE-M	41.1		15 - 130
d5-NEtPFOSA	51.8		10 - 130
d3-NMePFOSA	59.0		10 - 130
13C2 PFDoA	77.7		40 - 130

Lab Sample ID: LLCS 410-762368/4-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 762368

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.593		ug/Kg		119	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.306		ug/Kg		122	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.279		ug/Kg		112	65 - 140

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LLCS 410-762368/4-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 762368

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid (PFHpA)	0.250	0.300		ug/Kg		120	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.340		ug/Kg		136	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.302		ug/Kg		121	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.317		ug/Kg		127	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.235		ug/Kg		94	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.280		ug/Kg		112	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.306		ug/Kg		122	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.283		ug/Kg		113	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.230		ug/Kg		104	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.265		ug/Kg		113	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.268		ug/Kg		118	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.293		ug/Kg		123	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.269		ug/Kg		116	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.265		ug/Kg		110	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.214		ug/Kg		89	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.177	J	ug/Kg		73	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.561		ug/Kg		120	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.539		ug/Kg		113	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.535		ug/Kg		112	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.284		ug/Kg		113	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.297		ug/Kg		119	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.315		ug/Kg		126	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.297		ug/Kg		119	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.309		ug/Kg		124	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.457		ug/Kg		117	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.427		ug/Kg		114	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.214		ug/Kg		114	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.270		ug/Kg		114	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.302		ug/Kg		121	30 - 140

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LLCS 410-762368/4-A

Matrix: Solid

Analysis Batch: 762656

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 762368

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.256		ug/Kg		103	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.250		ug/Kg		100	60 - 155
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.257		ug/Kg		110	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.220		ug/Kg		93	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	0.223	0.235		ug/Kg		106	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.552		ug/Kg		110	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.375		ug/Kg		110	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	1.281		ug/Kg		102	60 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	64.3		8 - 130
13C5 PFPeA	60.2		35 - 130
13C5 PFHxA	64.8		40 - 130
13C4 PFHpA	65.2		40 - 130
13C8 PFOA	68.8		40 - 130
13C9 PFNA	63.8		40 - 130
13C6 PFDA	60.7		40 - 130
13C7 PFUnA	63.7		40 - 130
13C2 PFTeDA	45.3		20 - 130
13C3 PFBS	69.6		40 - 135
13C3 PFHxS	64.5		40 - 130
13C8 PFOS	58.1		40 - 130
13C8 FOSA	54.9		40 - 130
d3-NMeFOSAA	50.4		40 - 135
d5-NEtFOSAA	57.3		40 - 150
13C2 4:2 FTS	79.1		40 - 165
13C2 6:2 FTS	90.7		40 - 215
13C2 8:2 FTS	76.6		40 - 275
13C3 HFPO-DA	63.6		40 - 130
d7-N-MeFOSE-M	32.8		20 - 130
d9-N-EtFOSE-M	29.5		15 - 130
d5-NEtPFOSA	38.5		10 - 130
d3-NMePFOSA	43.5		10 - 130
13C2 PFDoA	57.0		40 - 130

QC Sample Results

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

Job ID: 460-343761-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1087620/1-A
Matrix: Solid
Analysis Batch: 1087772

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1087620

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Antimony	1.0	U	1.0	0.15	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Barium	2.0	U	2.0	0.15	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Beryllium	0.40	U	0.40	0.022	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Cadmium	0.50	U	0.50	0.11	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Calcium	100	U	100	9.7	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Chromium	2.0	U	2.0	0.30	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Cobalt	1.0	U	1.0	0.15	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Copper	2.0	U	2.0	0.37	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Iron	60.0	U	60.0	7.7	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Lead	0.60	U	0.60	0.20	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Magnesium	100	U	100	10.2	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Manganese	4.0	U	4.0	0.40	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Nickel	2.0	U	2.0	0.18	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Potassium	100	U	100	16.2	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Selenium	1.3	U	1.3	0.13	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Silver	0.40	U	0.40	0.089	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Sodium	100	U	100	45.7	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Thallium	0.40	U	0.40	0.041	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		01/28/26 07:31	01/28/26 15:01	1
Zinc	8.0	U	8.0	1.1	mg/Kg		01/28/26 07:31	01/28/26 15:01	1

Lab Sample ID: LCSSRM 460-1087620/2-A
Matrix: Solid
Analysis Batch: 1087772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1087620

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6970	5835		mg/Kg		83.7	54.1 - 146.3
Antimony	118	77.21		mg/Kg		65.4	0.8 - 202.5
Arsenic	222	209.1		mg/Kg		94.2	81.1 - 118.5
Barium	359	340.9		mg/Kg		95.0	81.3 - 118.4
Beryllium	229	201.0		mg/Kg		87.8	82.5 - 117.5
Cadmium	181	173.6		mg/Kg		95.9	81.8 - 117.7
Calcium	4010	3812		mg/Kg		95.1	82.0 - 118.0
Chromium	91.1	85.88		mg/Kg		94.3	81.3 - 118.6
Cobalt	129	122.4		mg/Kg		94.9	82.9 - 116.3
Copper	178	168.0		mg/Kg		94.4	83.1 - 116.9
Iron	6730	6429		mg/Kg		95.5	59.1 - 141.0
Lead	119	114.2		mg/Kg		96.0	81.8 - 118.5

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: LCSSRM 460-1087620/2-A

Matrix: Solid

Analysis Batch: 1087772

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1087620

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	1810	1724		mg/Kg		95.2	75.7 - 123.8
Manganese	221	218.5		mg/Kg		98.9	81.0 - 118.6
Nickel	81.6	77.41		mg/Kg		94.9	82.1 - 118.0
Potassium	2130	1937		mg/Kg		90.9	71.8 - 128.2
Selenium	186	182.0		mg/Kg		97.8	78.5 - 122.0
Silver	74.5	70.35		mg/Kg		94.4	79.5 - 120.4
Sodium	720	704.6		mg/Kg		97.9	74.2 - 125.8
Thallium	268	261.1		mg/Kg		97.4	80.6 - 119.8
Vanadium	238	224.5		mg/Kg		94.3	78.2 - 121.8
Zinc	449	428.1		mg/Kg		95.3	79.7 - 120.0

Lab Sample ID: 460-343605-E-1-Q MS

Matrix: Solid

Analysis Batch: 1087772

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1087620

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1800		502	2447	N	mg/Kg	✱	128	75 - 125
Antimony	1.0	U	5.02	3.18	N	mg/Kg	✱	63	75 - 125
Arsenic	0.34	J	10.0	8.42		mg/Kg	✱	80	75 - 125
Barium	11.3		10.0	25.37	N	mg/Kg	✱	140	75 - 125
Beryllium	0.082	J	5.02	3.96		mg/Kg	✱	77	75 - 125
Cadmium	0.50	U	5.02	4.07		mg/Kg	✱	81	75 - 125
Calcium	26600		502	31280	4	mg/Kg	✱	923	75 - 125
Chromium	3.7		10.0	11.98		mg/Kg	✱	83	75 - 125
Cobalt	1.6		5.02	5.70		mg/Kg	✱	82	75 - 125
Copper	6.8		10.0	14.13	N	mg/Kg	✱	73	75 - 125
Iron	3440		502	4173	4	mg/Kg	✱	146	75 - 125
Lead	7.2		5.02	15.24	N	mg/Kg	✱	160	75 - 125
Magnesium	14400		502	18600	4	mg/Kg	✱	826	75 - 125
Manganese	80.3		50.2	124.6		mg/Kg	✱	88	75 - 125
Nickel	3.7		10.0	11.89		mg/Kg	✱	81	75 - 125
Potassium	353		502	886.5		mg/Kg	✱	106	75 - 125
Selenium	1.3	U	10.0	8.26		mg/Kg	✱	82	75 - 125
Silver	0.40	U	5.02	4.04		mg/Kg	✱	81	75 - 125
Sodium	80.1	J	502	505.8		mg/Kg	✱	85	75 - 125
Thallium	0.066	J	4.02	3.37		mg/Kg	✱	82	75 - 125
Vanadium	3.9		10.0	13.52		mg/Kg	✱	96	75 - 125
Zinc	14.4		50.2	65.59		mg/Kg	✱	102	75 - 125

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QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: 460-343605-E-1-R MSD

Matrix: Solid

Analysis Batch: 1087772

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1087620

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Aluminum	1800		502	2599	N	mg/Kg	✱	159	75 - 125	6	20
Antimony	1.0	U	5.02	3.07	N	mg/Kg	✱	61	75 - 125	3	20
Arsenic	0.34	J	10.0	8.55		mg/Kg	✱	82	75 - 125	2	20
Barium	11.3		10.0	29.44	N	mg/Kg	✱	181	75 - 125	15	20
Beryllium	0.082	J	5.02	3.93		mg/Kg	✱	77	75 - 125	1	20
Cadmium	0.50	U	5.02	4.03		mg/Kg	✱	80	75 - 125	1	20
Calcium	26600		502	26020	4	mg/Kg	✱	-122	75 - 125	18	20
Chromium	3.7		10.0	12.03		mg/Kg	✱	83	75 - 125	0	20
Cobalt	1.6		5.02	5.79		mg/Kg	✱	84	75 - 125	2	20
Copper	6.8		10.0	16.10		mg/Kg	✱	93	75 - 125	13	20
Iron	3440		502	4636	4	mg/Kg	✱	238	75 - 125	11	20
Lead	7.2		5.02	139.9	N	mg/Kg	✱	2641	75 - 125	161	20
Magnesium	14400		502	15360	4	mg/Kg	✱	181	75 - 125	19	20
Manganese	80.3		50.2	144.3	N	mg/Kg	✱	127	75 - 125	15	20
Nickel	3.7		10.0	12.53		mg/Kg	✱	88	75 - 125	5	20
Potassium	353		502	996.6	N	mg/Kg	✱	128	75 - 125	12	20
Selenium	1.3	U	10.0	8.20		mg/Kg	✱	82	75 - 125	1	20
Silver	0.40	U	5.02	4.01		mg/Kg	✱	80	75 - 125	1	20
Sodium	80.1	J	502	497.0		mg/Kg	✱	83	75 - 125	2	20
Thallium	0.066	J	4.02	3.39		mg/Kg	✱	83	75 - 125	0	20
Vanadium	3.9		10.0	14.19		mg/Kg	✱	102	75 - 125	5	20
Zinc	14.4		50.2	64.94		mg/Kg	✱	101	75 - 125	1	20

Lab Sample ID: 460-343605-E-1-P DU

Matrix: Solid

Analysis Batch: 1087772

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 1087620

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Aluminum	1800		1796		mg/Kg	✱	0.4	20
Antimony	1.0	U	0.202	J	mg/Kg	✱	NC	20
Arsenic	0.34	J	0.399	J	mg/Kg	✱	15	20
Barium	11.3		13.67		mg/Kg	✱	19	20
Beryllium	0.082	J	0.0737	J	mg/Kg	✱	10	20
Cadmium	0.50	U	0.50	U	mg/Kg	✱	NC	20
Calcium	26600		28130		mg/Kg	✱	5	20
Chromium	3.7		4.03		mg/Kg	✱	9	20
Cobalt	1.6		1.58		mg/Kg	✱	0.2	20
Copper	6.8		6.75		mg/Kg	✱	0.2	20
Iron	3440		3187		mg/Kg	✱	8	20
Lead	7.2		21.00	*	mg/Kg	✱	98	20
Magnesium	14400		16010		mg/Kg	✱	10	20
Manganese	80.3		84.14		mg/Kg	✱	5	20
Nickel	3.7		3.67		mg/Kg	✱	1	20
Potassium	353		354.3		mg/Kg	✱	0.5	20
Selenium	1.3	U	1.3	U	mg/Kg	✱	NC	20
Silver	0.40	U	0.40	U	mg/Kg	✱	NC	20
Sodium	80.1	J	86.50	J	mg/Kg	✱	8	20
Thallium	0.066	J	0.0475	J	mg/Kg	✱	33	20
Vanadium	3.9		4.56		mg/Kg	✱	15	20

Eurofins Edison

QC Sample Results

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

Job ID: 460-343761-1

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

Lab Sample ID: 460-343605-E-1-P DU

Matrix: Solid

Analysis Batch: 1087772

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 1087620

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Zinc	14.4		18.75		mg/Kg	✱	26	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1087710/1-A

Matrix: Solid

Analysis Batch: 1087728

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1087710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		01/28/26 10:50	01/28/26 08:18	1

Lab Sample ID: LCSSRM 460-1087710/2-A

Matrix: Solid

Analysis Batch: 1087728

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1087710

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	21.3	14.71		mg/Kg		69.0	68.5 - 131.0

Lab Sample ID: 460-343785-A-1-D MS

Matrix: Solid

Analysis Batch: 1087728

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1087710

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.019	U	0.0947	0.0966		mg/Kg	✱	102	80 - 120

Lab Sample ID: 460-343785-A-1-C DU

Matrix: Solid

Analysis Batch: 1087728

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 1087710

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	0.019	U	0.019	U	mg/Kg	✱	NC	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-343742-A-16 DU

Matrix: Solid

Analysis Batch: 1087254

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Percent Moisture	16.4		13.2	*	%		22	20
Percent Solids	83.6		86.8		%		4	20

QC Association Summary

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

Job ID: 460-343761-1

GC/MS Semi VOA

Prep Batch: 1087307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	3546	
460-343761-2	ISS-22_0-4	Total/NA	Solid	3546	
460-343761-3	ISS-23_0-4	Total/NA	Solid	3546	
460-343761-4	ISS-24_0-4	Total/NA	Solid	3546	
MB 460-1087307/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1087307/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1087307/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-343724-H-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-343724-H-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1087429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	8270E	1087307
460-343761-2	ISS-22_0-4	Total/NA	Solid	8270E	1087307
460-343761-3	ISS-23_0-4	Total/NA	Solid	8270E	1087307
460-343761-4	ISS-24_0-4	Total/NA	Solid	8270E	1087307
MB 460-1087307/1-A	Method Blank	Total/NA	Solid	8270E	1087307
LCS 460-1087307/2-A	Lab Control Sample	Total/NA	Solid	8270E	1087307
LCSD 460-1087307/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1087307
460-343724-H-1-A MS	Matrix Spike	Total/NA	Solid	8270E	1087307
460-343724-H-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1087307

GC Semi VOA

Prep Batch: 1087272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	3546	
460-343761-2	ISS-22_0-4	Total/NA	Solid	3546	
460-343761-3	ISS-23_0-4	Total/NA	Solid	3546	
460-343761-4	ISS-24_0-4	Total/NA	Solid	3546	
MB 460-1087272/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1087272/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1087272/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-343195-B-8-A MS	Matrix Spike	Total/NA	Solid	3546	
460-343195-B-8-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 1087289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	3546	
460-343761-2	ISS-22_0-4	Total/NA	Solid	3546	
460-343761-3	ISS-23_0-4	Total/NA	Solid	3546	
460-343761-4	ISS-24_0-4	Total/NA	Solid	3546	
MB 460-1087289/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1087289/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1087289/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-343195-B-8-D MS	Matrix Spike	Total/NA	Solid	3546	
460-343195-B-8-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1087395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	8082A	1087272

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QC Association Summary

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

Job ID: 460-343761-1

GC Semi VOA (Continued)

Analysis Batch: 1087395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-2	ISS-22_0-4	Total/NA	Solid	8082A	1087272
460-343761-3	ISS-23_0-4	Total/NA	Solid	8082A	1087272
460-343761-4	ISS-24_0-4	Total/NA	Solid	8082A	1087272
MB 460-1087272/1-A	Method Blank	Total/NA	Solid	8082A	1087272
LCS 460-1087272/2-A	Lab Control Sample	Total/NA	Solid	8082A	1087272
LCSD 460-1087272/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1087272
460-343195-B-8-A MS	Matrix Spike	Total/NA	Solid	8082A	1087272
460-343195-B-8-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1087272

Analysis Batch: 1087502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	8081B	1087289
460-343761-2	ISS-22_0-4	Total/NA	Solid	8081B	1087289
460-343761-3	ISS-23_0-4	Total/NA	Solid	8081B	1087289
460-343761-4	ISS-24_0-4	Total/NA	Solid	8081B	1087289
MB 460-1087289/1-A	Method Blank	Total/NA	Solid	8081B	1087289
LCS 460-1087289/2-A	Lab Control Sample	Total/NA	Solid	8081B	1087289
LCSD 460-1087289/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1087289
460-343195-B-8-D MS	Matrix Spike	Total/NA	Solid	8081B	1087289
460-343195-B-8-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	1087289

LCMS

Prep Batch: 762368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	1633A Shake	
460-343761-2	ISS-22_0-4	Total/NA	Solid	1633A Shake	
460-343761-3	ISS-23_0-4	Total/NA	Solid	1633A Shake	
460-343761-4	ISS-24_0-4	Total/NA	Solid	1633A Shake	
MB 410-762368/1-A	Method Blank	Total/NA	Solid	1633A Shake	
LCS 410-762368/2-A	Lab Control Sample	Total/NA	Solid	1633A Shake	
LCSD 410-762368/3-A	Lab Control Sample Dup	Total/NA	Solid	1633A Shake	
LLCS 410-762368/4-A	Lab Control Sample	Total/NA	Solid	1633A Shake	

Analysis Batch: 762656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	1633A	762368
460-343761-2	ISS-22_0-4	Total/NA	Solid	1633A	762368
460-343761-3	ISS-23_0-4	Total/NA	Solid	1633A	762368
460-343761-4	ISS-24_0-4	Total/NA	Solid	1633A	762368
MB 410-762368/1-A	Method Blank	Total/NA	Solid	1633A	762368
LCS 410-762368/2-A	Lab Control Sample	Total/NA	Solid	1633A	762368
LCSD 410-762368/3-A	Lab Control Sample Dup	Total/NA	Solid	1633A	762368
LLCS 410-762368/4-A	Lab Control Sample	Total/NA	Solid	1633A	762368

Metals

Prep Batch: 1087620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	3050B	
460-343761-2	ISS-22_0-4	Total/NA	Solid	3050B	
460-343761-3	ISS-23_0-4	Total/NA	Solid	3050B	

Eurofins Edison

QC Association Summary

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

Job ID: 460-343761-1

Metals (Continued)

Prep Batch: 1087620 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-4	ISS-24_0-4	Total/NA	Solid	3050B	
MB 460-1087620/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1087620/2-A	Lab Control Sample	Total/NA	Solid	3050B	
460-343605-E-1-Q MS	Matrix Spike	Total/NA	Solid	3050B	
460-343605-E-1-R MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	
460-343605-E-1-P DU	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 1087710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	7471B	
460-343761-2	ISS-22_0-4	Total/NA	Solid	7471B	
460-343761-3	ISS-23_0-4	Total/NA	Solid	7471B	
460-343761-4	ISS-24_0-4	Total/NA	Solid	7471B	
MB 460-1087710/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1087710/2-A	Lab Control Sample	Total/NA	Solid	7471B	
460-343785-A-1-D MS	Matrix Spike	Total/NA	Solid	7471B	
460-343785-A-1-C DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 1087728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	7471B	1087710
460-343761-2	ISS-22_0-4	Total/NA	Solid	7471B	1087710
460-343761-3	ISS-23_0-4	Total/NA	Solid	7471B	1087710
460-343761-4	ISS-24_0-4	Total/NA	Solid	7471B	1087710
MB 460-1087710/1-A	Method Blank	Total/NA	Solid	7471B	1087710
LCSSRM 460-1087710/2-A	Lab Control Sample	Total/NA	Solid	7471B	1087710
460-343785-A-1-D MS	Matrix Spike	Total/NA	Solid	7471B	1087710
460-343785-A-1-C DU	Duplicate	Total/NA	Solid	7471B	1087710

Analysis Batch: 1087772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	6020B	1087620
460-343761-2	ISS-22_0-4	Total/NA	Solid	6020B	1087620
460-343761-3	ISS-23_0-4	Total/NA	Solid	6020B	1087620
460-343761-4	ISS-24_0-4	Total/NA	Solid	6020B	1087620
MB 460-1087620/1-A	Method Blank	Total/NA	Solid	6020B	1087620
LCSSRM 460-1087620/2-A	Lab Control Sample	Total/NA	Solid	6020B	1087620
460-343605-E-1-Q MS	Matrix Spike	Total/NA	Solid	6020B	1087620
460-343605-E-1-R MSD	Matrix Spike Duplicate	Total/NA	Solid	6020B	1087620
460-343605-E-1-P DU	Duplicate	Total/NA	Solid	6020B	1087620

General Chemistry

Analysis Batch: 1087254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-343761-1	ISS-21_0-4	Total/NA	Solid	Moisture	
460-343761-2	ISS-22_0-4	Total/NA	Solid	Moisture	
460-343761-3	ISS-23_0-4	Total/NA	Solid	Moisture	
460-343761-4	ISS-24_0-4	Total/NA	Solid	Moisture	
460-343742-A-16 DU	Duplicate	Total/NA	Solid	Moisture	

Eurofins Edison

Lab Chronicle

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

Job ID: 460-343761-1

Client Sample ID: ISS-21_0-4

Lab Sample ID: 460-343761-1

Date Collected: 01/22/26 10:50

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087254	CJC	EET EDI	01/23/26 16:32

Client Sample ID: ISS-21_0-4

Lab Sample ID: 460-343761-1

Date Collected: 01/22/26 10:50

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1087307	GXY	EET EDI	01/23/26 21:25
Total/NA	Analysis	8270E		1	1087429	YAH	EET EDI	01/24/26 22:50
Total/NA	Prep	3546			1087289	ARA	EET EDI	01/23/26 18:22
Total/NA	Analysis	8081B		1	1087502	FAM	EET EDI	01/27/26 13:06
Total/NA	Prep	3546			1087272	ARA	EET EDI	01/23/26 17:56
Total/NA	Analysis	8082A		1	1087395	OXG	EET EDI	01/24/26 21:39
Total/NA	Prep	1633A Shake			762368	RZZ4	ELLE	01/29/26 19:35
Total/NA	Analysis	1633A		1	762656	VGQ7	ELLE	01/30/26 16:33
Total/NA	Prep	3050B			1087620	FBT	EET EDI	01/28/26 07:31
Total/NA	Analysis	6020B		1	1087772	CDC	EET EDI	01/28/26 15:37
Total/NA	Analysis	7471B		1	1087728	TJS	EET EDI	01/28/26 09:24
Total/NA	Prep	7471B			1087710	TJS	EET EDI	01/28/26 10:50

Client Sample ID: ISS-22_0-4

Lab Sample ID: 460-343761-2

Date Collected: 01/22/26 11:15

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087254	CJC	EET EDI	01/23/26 16:32

Client Sample ID: ISS-22_0-4

Lab Sample ID: 460-343761-2

Date Collected: 01/22/26 11:15

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1087307	GXY	EET EDI	01/23/26 21:25
Total/NA	Analysis	8270E		1	1087429	YAH	EET EDI	01/24/26 23:13
Total/NA	Prep	3546			1087289	ARA	EET EDI	01/23/26 18:22
Total/NA	Analysis	8081B		1	1087502	FAM	EET EDI	01/27/26 13:18
Total/NA	Prep	3546			1087272	ARA	EET EDI	01/23/26 17:56
Total/NA	Analysis	8082A		1	1087395	OXG	EET EDI	01/24/26 21:56
Total/NA	Prep	1633A Shake			762368	RZZ4	ELLE	01/29/26 19:35
Total/NA	Analysis	1633A		1	762656	VGQ7	ELLE	01/30/26 16:46
Total/NA	Prep	3050B			1087620	FBT	EET EDI	01/28/26 07:31
Total/NA	Analysis	6020B		1	1087772	CDC	EET EDI	01/28/26 15:39
Total/NA	Analysis	7471B		1	1087728	TJS	EET EDI	01/28/26 09:27
Total/NA	Prep	7471B			1087710	TJS	EET EDI	01/28/26 10:50

Eurofins Edison

Lab Chronicle

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

Job ID: 460-343761-1

Client Sample ID: ISS-23_0-4

Lab Sample ID: 460-343761-3

Date Collected: 01/22/26 11:45

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087254	CJC	EET EDI	01/23/26 16:32

Client Sample ID: ISS-23_0-4

Lab Sample ID: 460-343761-3

Date Collected: 01/22/26 11:45

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1087307	GXY	EET EDI	01/23/26 21:25
Total/NA	Analysis	8270E		1	1087429	YAH	EET EDI	01/24/26 23:35
Total/NA	Prep	3546			1087289	ARA	EET EDI	01/23/26 18:22
Total/NA	Analysis	8081B		1	1087502	FAM	EET EDI	01/27/26 13:31
Total/NA	Prep	3546			1087272	ARA	EET EDI	01/23/26 17:56
Total/NA	Analysis	8082A		1	1087395	OXG	EET EDI	01/24/26 22:13
Total/NA	Prep	1633A Shake			762368	RZZ4	ELLE	01/29/26 19:35
Total/NA	Analysis	1633A		1	762656	VGQ7	ELLE	01/30/26 17:00
Total/NA	Prep	3050B			1087620	FBT	EET EDI	01/28/26 07:31
Total/NA	Analysis	6020B		1	1087772	CDC	EET EDI	01/28/26 15:42
Total/NA	Analysis	7471B		1	1087728	TJS	EET EDI	01/28/26 09:30
Total/NA	Prep	7471B			1087710	TJS	EET EDI	01/28/26 10:50

Client Sample ID: ISS-24_0-4

Lab Sample ID: 460-343761-4

Date Collected: 01/22/26 12:10

Matrix: Solid

Date Received: 01/22/26 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1087254	CJC	EET EDI	01/23/26 16:32

Client Sample ID: ISS-24_0-4

Lab Sample ID: 460-343761-4

Date Collected: 01/22/26 12:10

Matrix: Solid

Date Received: 01/22/26 15:30

Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1087307	GXY	EET EDI	01/23/26 21:25
Total/NA	Analysis	8270E		1	1087429	YAH	EET EDI	01/24/26 23:58
Total/NA	Prep	3546			1087289	ARA	EET EDI	01/23/26 18:22
Total/NA	Analysis	8081B		1	1087502	FAM	EET EDI	01/27/26 13:43
Total/NA	Prep	3546			1087272	ARA	EET EDI	01/23/26 17:56
Total/NA	Analysis	8082A		1	1087395	OXG	EET EDI	01/24/26 22:31
Total/NA	Prep	1633A Shake			762368	RZZ4	ELLE	01/29/26 19:35
Total/NA	Analysis	1633A		1	762656	VGQ7	ELLE	01/30/26 17:13
Total/NA	Prep	3050B			1087620	FBT	EET EDI	01/28/26 07:31
Total/NA	Analysis	6020B		1	1087772	CDC	EET EDI	01/28/26 15:45
Total/NA	Analysis	7471B		1	1087728	TJS	EET EDI	01/28/26 09:33
Total/NA	Prep	7471B			1087710	TJS	EET EDI	01/28/26 10:50

Eurofins Edison

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

Job ID: 460-343761-1

Laboratory References:
EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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Accreditation/Certification Summary

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

Job ID: 460-343761-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

Method Summary

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

Job ID: 460-343761-1

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633A Shake	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

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

Job ID: 460-343761-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
460-343761-1	ISS-21_0-4	Solid	01/22/26 10:50	01/22/26 15:30	New York
460-343761-2	ISS-22_0-4	Solid	01/22/26 11:15	01/22/26 15:30	New York
460-343761-3	ISS-23_0-4	Solid	01/22/26 11:45	01/22/26 15:30	New York
460-343761-4	ISS-24_0-4	Solid	01/22/26 12:10	01/22/26 15:30	New York

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- 15
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Address: 4101 Anthony Kill Rd
Staaten Island NY

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☒ Other		Project Manager: S. Camusso Tel/Email: Scamusso@halevialdrich.com		Site Contact: C. Lashua Lab Contact: F. Elawany		Date: 1/22/26 Carrier:		COD No.: 03161 of 1 COCs Sampler: C-TL For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:	
Client Contact Company Name: Haley & Adrich of NY Address: 213 W 35th St City/State/Zip: NY, NY 10001 Phone: Shell@halevialdrich.com Fax: mbelard@halevialdrich.com Project Name: Former Port Mobil Site: 46042832 PO# 6213836-001-001-16		Analysis Turnaround Time ☐ CALENDAR DAYS ☒ WORKING DAYS TAT if different from below: ☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day		Sample Type (C=Comp, G=Grab) Sample Date: 1/22/26 Sample Time: 10:50 Matrix: S # of Cont.: 2		Filtered Sample (Y/N) Perform MS/MSD (Y/N)		Sample Specific Notes:	
BS-21-0-4		1/22/26 10:50 C S 2		XX		1			
ISS-22-0-4		1/22/26 11:15 C S 2		XX		2			
ISS-23-0-4		1/22/26 11:45 C S 2		XX		3			
ISS-24-0-4		1/22/26 12:10 C 3 2		XX		4			
Sample Identification		Sample Date		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.	
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other		Possible Hazard Identification		Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return to Client ☐ Disposal by Lab ☒ Archive for _____ Months	
Special Instructions/QC Requirements & Comments.		Custody Seal No.		Date/Time		Received by		Therm ID No.	
Relinquished by: Charles Lashua		Company: H&A of NY		Date/Time: 1/22/26		Received by: Emely Hala		Therm ID No.: 1500	
Relinquished by:		Company:		Date/Time: 1/22/26		Received by:		Therm ID No.:	
Relinquished by:		Company:		Date/Time:		Received by:		Therm ID No.:	

343761

Eurofins Edison

Receipt Temperature and pH Log

IR Gun #

Cooler Temperatures

RAW		CORRECTED	
		RAW	CORRECTED
Cooler #1:	73.3 °C	28 °C	28 °C
Cooler #2:	°C	°C	°C
Cooler #3:	°C	°C	°C
Cooler #4:	°C	°C	°C
Cooler #5:	°C	°C	°C
Cooler #6:	°C	°C	°C
Cooler #7:	°C	°C	°C
Cooler #8:	°C	°C	°C
Cooler #9:	°C	°C	°C

[illegible]

If pH adjustments are required record the information below:

Sample No(s). adjusted

Preservative Name/Conc.

Volume of Preservative used (ml)

Lot # of Preservative(s) -

Expiration Date:

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials.

Date 07/27/

Login Sample Receipt Checklist

Client: Haley & Aldrich Inc

Job Number: 460-343761-1

Login Number: 343761

List Source: Eurofins Edison

List Number: 1

Creator: Thundathorn, Sukanan 1

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Haley & Aldrich Inc

Job Number: 460-343761-1

Login Number: 343761

List Number: 2

Creator: McDonald, Teigan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 01/27/26 11:00 PM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

ATTACHMENT C
Data Usability Summary Report

Data Usability Summary Report

Project Name: Former Port Mobil Reuse Sampling

Project Description: Soil Samples

Sample Dates: January 22, 2026

Analytical Laboratory: Eurofins Edison – Edison, NJ

Validation Performed by: Kristina Ilina

Validation Reviewed by: Katherine Miller

Validation Date: February 13, 2026

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1. Introduction

H & A of New York Engineering and Geology, LLP prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for the Sample Delivery Groups (SDGs) listed. This DUSR is organized into the following sections:

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for Inorganic Data Review.
- NFG for Organic Data Review.
- Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.4, Table B-24.
- Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under New York State Department of Environmental Conservation's (NYSDEC's) Part 375 Remedial Programs.
- NYSDEC DER-10: Technical Guidance for Site Investigation and Remediation.

Data reported in this sampling event were reported to the laboratory method detection limit (MDL). Results reported between the MDL and reporting limit (RL) are flagged J as estimated.

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOPs). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQOs) for the project and are therefore usable; any exceptions are noted in the following pages and listed below.

A subset of data was qualified as estimated due to low laboratory control sample duplicate (LCSD) recoveries and low/high Isotope dilution recoveries. All results are usable. A summary of qualifications is provided in Section 2.15.

2. Sample Delivery Group Numbers 460-343760-1 and 460-343761-1

2.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG numbers:

- 460-343760-1, dated January 31, 2026; and
- 460-343761-1, dated February 2, 2026.

Samples were collected, preserved, and shipped following standard chain of custody (COC) protocols. Samples were also received appropriately, identified correctly, and analyzed according to the COC.

- Samples for E1633A analysis were subcontracted to Eurofins Lancaster Laboratories Environment Testing - Lancaster, PA.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Method
ISS-21A	N	460-343760-1	01/22/2026	SO	G
ISS-21B	N	460-343760-2	01/22/2026	SO	
ISS-21C	N	460-343760-3	01/22/2026	SO	
ISS-21D	N	460-343760-4	01/22/2026	SO	
ISS-22A	N	460-343760-5	01/22/2026	SO	
ISS-22B	N	460-343760-6	01/22/2026	SO	
ISS-22C	N	460-343760-7	01/22/2026	SO	
ISS-23A	N	460-343760-8	01/22/2026	SO	
ISS-23B	N	460-343760-9	01/22/2026	SO	
ISS-23C	N	460-343760-10	01/22/2026	SO	
ISS-24A	N	460-343760-11	01/22/2026	SO	
ISS-24B	N	460-343760-12	01/22/2026	SO	
ISS-24C	N	460-343760-13	01/22/2026	SO	
ISS-24D	N	460-343760-14	01/22/2026	SO	
ISS-21_0-4	N	460-343761-1	01/22/2026	SO	A, B, C, D, E, F
ISS-22_0-4	N	460-343761-2	01/22/2026	SO	
ISS-23_0-4	N	460-343761-3	01/22/2026	SO	
ISS-24_0-4	N	460-343761-4	01/22/2026	SO	

Method Holding Times			
A.	E1633A	PFAS	28 days extraction (3 days for NFDHA) / 40 days analysis for solid, unpreserved
B.	SW6020B	Metals	180 days for solid unpreserved
C.	SW7471B	Mercury	28 days for solid unpreserved
D.	SW8081B	Organochlorine Pesticides	14 days extraction / 40 days analysis for solid, unpreserved

Method Holding Times			
E.	SW8082A	Polychlorinated Biphenyls (PCBs)	1 year extraction / 40 days analysis for solid, unpreserved
F.	SW8270E	Semi-volatile Organic Compounds (SVOCs)	14 days extraction / 40 days analysis for solid, unpreserved
G.	SW8260D	Volatile Organic Compounds (VOCs)	14 days for solid, preserved 14 days for solid unpreserved

2.2 CASE NARRATIVE

The laboratory report case narrative lists various additional quality control (QC) issues, such as continuing calibration verification (CCV) exceedances. Since these additional QC issues were not required for the project's DQOs, these QC issues were not reviewed.

2.3 REPORTING BASIS (WET/DRY)

[Refer to Section E 1.1.](#) Soil data in this SDG were reported on a dry-weight basis. Where reported, percent moisture results were reviewed and found to be within limits.

2.4 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol.

2.5 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified. Dilution of the project samples was required to bring the concentration of target analytes within the calibration range. Elevated RLs are provided.

2.6 SURROGATE RECOVERY COMPLIANCE

[Refer to Section E 1.2.](#) The percent recovery (%R) for each surrogate compound added to each project sample was determined to be within the laboratory-specified QC limits, with the following exceptions:

Method	Sample ID	Lab ID	Surrogate	Dilution	%R	Qualification
SW8260D	ISS-21A	460-343760-1	Dibromofluoromethane	100x	59%	None, dilution > 5x
			Toluene-D8	100x	57%	
			4-Bromofluorobenzene	100x	58%	

2.7 BLANK SAMPLE ANALYSIS

[Refer to Section E 1.3.](#) Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

2.8 LABORATORY CONTROL SAMPLES

[Refer to Section E 1.4.](#) Compounds associated with the laboratory control sample (LCS)/LCSD analyses associated with client samples exhibited recoveries and relative percent differences (RPDs) within the specified limits, with the following exceptions:

Sample Type	Method	Batch ID	Analyte	%R	Qualifier	Affected Samples
LCSD	SW8260D	1088083	1,2,3-Trichlorobenzene	139%	J/None	None, samples are non-detect (ND)
			2-Hexanone	69%	J/UJ	460-343760-2 through 460-343760-14
LCS/LCSD		1088269	1,2,3-Trichlorobenzene	151%/159%	J/None	None, samples are ND
LCSD	SW8270E	1087429	2-Methylnaphthalene	103%	J+/None	460-343761-1 through 460-343761-4

2.9 MATRIX SPIKE SAMPLES

[Refer to Section E 1.5.](#) No client samples were used for matrix spike/matrix spike duplicate (MS/MSD) analysis in this SDG.

2.10 DUPLICATE SAMPLE ANALYSIS

[Refer to Section E 1.6.](#) No client samples were used for laboratory duplicate analysis.

2.11 PRECISION AND ACCURACY

[Refer to Section E 1.7.](#) Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

2.12 PFAS SAMPLE PREPARATION

[Refer to Section E 1.14.](#) The laboratory's SOP was reviewed, and the reviewer confirmed it is the laboratory's procedure to use solid-phase extraction (SPE) for sample preparation.

2.13 PFAS IDENTIFICATION

[Refer to Section E 1.15.](#) Ion ratios could not be reviewed because the laboratory did not provide an ion ratio summary. However, this lab typically qualifies data impacted by ion ratio exceedance with an "I" flag. As no data was qualified, it can be assumed ion ratios were within limits.

2.14 EXTRACTION INTERNAL STANDARDS

[Refer to Section E 1.16.](#) Recoveries were reviewed and found to be within the limits of 50 to 150 percent of the initial calibration (ICAL) midpoint standard/ initial continuing calibration verification (CCV), with the following exceptions:

Sample ID	Lab ID	Standard Name	%Recovery	Qualifier	Target analytes
ISS-22_0-4	460-343761-2	N-methylperfluorooctane sulfonamidoethanol (d7-N-MeFOSE-M)(IDA)	44.8%	J/UJ	N-MeFOSE
		N-Ethyl-N-(2-hydroxyethyl)perfluorooctylsulphonamide-d9	45.8%	J/UJ	N-EtFOSE
ISS-24_0-4	460-343761-4	1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (13C2-4:2 FTS)	159%	J/UJ	FtS 4:2
		1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (13C2-6:2 FTS)	162%	J/UJ	FtS 6:2
		1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (13C2-8:2 FTS)	189%	J/UJ	FtS 8:2

Extraction Internal Standards Recoveries were out of limits for MBs, LCS, MS, and MSD, but did not affect the data.

2.15 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the DQOs for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable, as no data was rejected. The qualifiers applied to this dataset are summarized in the table below.

Sample ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
ISS-21B	2-Hexanone (Methyl Butyl Ketone)	ND U	ND UJ	Low LCSD %Recovery
ISS-21C				
ISS-21D				
ISS-22A				
ISS-22B				
ISS-22C				
ISS-23A				
ISS-23B				
ISS-23C				
ISS-24A				
ISS-24B				
ISS-24C				
ISS-24D				
ISS-21_0-4	2-Methylnaphthalene	0.8	0.8 J+	High LCSD %Recovery
ISS-22_0-4		2.3	2.3 J+	
ISS-23_0-4		5.7	5.7 J+	
ISS-24_0-4		0.022 J	0.022 J+	
ISS-22_0-4	N-EtFOSE	ND U	ND UJ	Isotope dilution outside recovery limits.
ISS-22_0-4	N-MeFOSE	ND U	ND UJ	
ISS-24_0-4	6:2 FTS	0.52	0.52 J	
ISS-24_0-4	8:2 FTS	1.84	1.84 J	
ISS-24_0-4	4:2 FTS	ND U	ND UJ	

3. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.1 Reporting Basis (Wet/Dry)
 - Soil samples can be reported on either a wet (as received) or dry-weight basis. Dry weight data indicate calculations were made to compensate for the moisture content of the soil sample.
 - Percent (%) solids should be appropriately considered when evaluating analytical results for non-aqueous samples. Sediments with high moisture content may or may not be successfully analyzed by routine analytical methods. Samples should be greater than or equal to 30 percent solids to be appropriately quantified.
- E 1.2 Surrogate Recovery Compliance
 - Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to sample preparation to determine the efficiency of the extraction procedure by evaluating the %R of the compounds.
- E 1.3 Blank Sample Analysis
 - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
- E 1.4 Laboratory Control Samples
 - The LCS/LCSD analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.5 Matrix Spike Samples
 - MS/MSD data are used to assess the precision and accuracy of the analytical method and evaluate the effects of the sample matrix on the sample preparation procedures and measurement methodologies.
- E 1.6 Laboratory Duplicate Sample Analysis
 - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
- E 1.7 Precision and Accuracy
 - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the RPD found between a primary and a duplicate sample. This can be an LCS/LCSD pair, an MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.
 - Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the %R of

certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.

- E 1.14 PFAS Sample Preparation
 - Analysis of PFAS requires specific sample preparation. Aqueous samples must be prepared using Solid-Phase Extraction (SPE), unless samples are known to contain high PFAS concentrations or the samples are injected directly into the LC/MS/MS instrument. Samples with greater than 1 percent solids may require centrifugation prior to SPE. The entire sample plus bottle rinsate must be extracted using SPE. If high PFAS concentrations are known, the samples may alternately be prepared using serial dilution performed in duplicate. If prepared by serial dilution, there must be documented project approval for this deviation.
- E 1.15 PFAS Identification
 - Identification of PFAS requires dual confirmation. The chemical derivation of the ion transitions must be documented. A minimum of two ion transitions per analyte are required (except for PFBA and PFPeA). Ratios of the quantitation ion to the confirmation ion should be calculated for samples and be within 50 to 150 percent of the ratios of the quantitation ion to the confirmation ion for standards.
 - Identification of PFAS also requires the proper assessment of branched and linear peaks. Standards for both isomers are not currently available for every PFAS compound, resulting in the common error of quantifying the area of only the branched or the linear isomers, which results in erroneous concentrations.
- E 1.16 Extraction Internal Standards
 - Analysis of PFAS by isotope dilution includes the use of extracted internal standards, which are stable isotope analogs of the PFAS compounds of interest added to each sample prior to extraction of the sample matrix. Matrix interferences that affect the quantification of the internal standard will affect the calculated target compound concentrations. For method EPA 1633, Module 6 provides guidance for extreme recoveries. Professional judgment is used to qualify based on recovery below the method limit but above 10% and above the method limit but below 200%. Below the method limit will result in estimating the detection or non-detection; above the method limit will result in estimating the detection.

4. Glossary

*Analyte names may be abbreviated for simplicity. Please refer to the laboratory report for the full analyte name.

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
 - EB Equipment Blank Sample
 - FB Field Blank Sample
 - FD Field Duplicate Sample
 - N Primary Sample
 - TB Trip Blank Sample
- Units:

– ng/kg nanograms per kilogram – µg/L micrograms per liter – µg/m³ micrograms per cubic meter – mg/kg milligrams per kilogram – mg/L milligrams per liter	– ppbv/v parts per billion volume/volume – pCi/L picocuries per liter – pg/g picograms per gram – pg/L picograms per liter
--	---
- Matrices:

– AA Ambient Air – GS Soil Gas – GW/WG Groundwater – IA Indoor Air – SE Sediment – SO Soil	– SSV Sub-slab Vapor – ST Solid Waste – WM Stormwater – WQ Water Quality control matrix – WS Surface Water – WW Waste Water
---	--
- Table Footnotes:
 - NA Not applicable
 - ND Non-detect
 - NR Not reported
- Common Symbols:
 - % percent
 - < less than
 - ≤ less than or equal to
 - > greater than
 - ≥ greater than or equal to
 - = equal
 - °C degrees Celsius
 - ± plus or minus
 - ~ approximately
 - x times (multiplier)
- Fractions:
 - N Normal (method cannot be filtered)
 - D Dissolved (filtered)
 - T Total (unfiltered)

5. Abbreviations

%D	Percent Difference	MDL	Laboratory Method Detection Limit
%R	Percent Recovery	MS/MSD	Matrix Spike/Matrix Spike Duplicate
%RSD	Percent Relative Standard Deviation	NA	not applicable
%v/v	Percent volume by volume	ND	Non-Detect
2s	2 sigma	NFG	National Functional Guidelines
4,4-DDT	4 4-dichlorodiphenyltrichloroethane	NH ₃	Ammonia
Abs Diff	Absolute Difference	NYSDEC	New York State Department of Environmental Conservation
amu	atomic mass unit	PAH	Polycyclic Aromatic Hydrocarbon
BPJ	Best Professional Judgement	PCB	Polychlorinated Biphenyl
BS	Blank Spike	PDS	Post-Digestion Spike
CCB	Continuing Calibration Blank	PEM	Performance Evaluation Mixture
CCV	Continuing Calibration Verification	PFAS	Per- and Polyfluoroalkyl Substances
CCVL	Continuing Calibration Verification Low	PFBA	Perfluorobutanoic Acid
COC	Chain of Custody	PFD	Perfluorodecalin
COM	Combined Isotope Calculation	PFOA	Perfluorooctanoic Acid
Cr (VI)	Hexavalent Chromium	PFOS	Perfluorooctane sulfonate
CRI	Collision Reaction Interface	PFPeA	Perfluoropentanoic Acid
DoD	Department of Defense	QAPP	Quality Assurance Project Plan
DQO	data quality objective	QC	Quality Control
DUSR	Data Usability Summary Report	QSM	Quality Systems Manual
EIS	Extraction Internal Standard	R ²	R-squared value
EMPC	Estimated Maximum Possible Concentration	Ra-226	Radium-226
FBK	Field Blank Contamination	Ra-228	Radium-228
FDP	Field Duplicate	RESC	Resolution Check Measure
GC	Gas Chromatograph	RL	Laboratory Reporting Limit
GC/MS	Gas Chromatography/Mass Spectrometry	RPD	Relative Percent Difference
GPC	Gel Permeation Chromatography	RRF	Relative Response Factor
H ₂	Hydrogen gas	RT	Retention Time
HCl	Hydrochloric Acid	SAP	Sampling Analysis Plan
ICAL	Initial Calibration	SDG	Sample Delivery Group
ICB	Initial Calibration Blank	SIM	Selected ion monitoring
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry	SOP	Standard Operating Procedure
ICV	Initial Calibration Verification	SPE	Solid-Phase Extraction
ICVL	Initial Calibration Verification Low	SVOC	Semi-Volatile Organic Compound
IPA	Isopropyl Alcohol	TCLP	Toxicity Characteristic Leaching Procedure
LC	Laboratory Control	TIC	Tentatively Identified Compound
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate	TKN	Total Kjeldahl Nitrogen
MBK	Method Blank Contamination	TPH	Total Petroleum Hydrocarbon
MDC	Minimum Detectable Concentration	TPU	Total Propagated Uncertainty
		USEPA	U.S. Environmental Protection Agency
		VOC	Volatile Organic Compound
		WP	Work Plan

6. Qualifiers

The qualifiers below are from the USEPA NFG and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:

- U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or “ND”.
- B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers:

- E The compound was quantitated above the calibration range.
- D The concentration is based on a diluted sample analysis.

- Validation Qualifiers:

- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.
- UJ The compound was not detected. The reported sample quantitation limit is approximate.
- NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.
- R The sample results were rejected as unusable; the compound may or may not be present in the sample.
- S Result is suspect. See DUSR for details.

References

1. Division of Environmental Remediation DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B, Guidance for Data Deliverables and the Development of Data Usability Summary Reports (NYSDEC, 2010).
2. New York State Department of Environmental Conservation (NYSDEC), 2023. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances Under NYSDEC's Part 375 Remedial Programs. April.
3. United States Department of Defense, 2021. Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.4, Table B-24: Per- and Polyfluoroalkyl Substances (PFAS) Analysis by LC/MS/MS (EPA Draft Method 1633).
4. United States Department of Defense and Environmental Data Quality Workgroup, 2022. Data Validation Guidelines Module 6: Data Validation Procedure for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24. October.
5. United States Environmental Protection Agency, 2020a. National Functional Guidelines for Inorganic Superfund Methods Data Review. EPA-542-R-20-006. November.
6. United States Environmental Protection Agency, 2020b. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November.