H & A OF NEW YORK ENGINEERING
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September 28, 2026
File No. 0208988

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, Brownfields and RCRA Project Manager, USEPA

Subject: Addendum No. 4 to the Alternatives Analysis/Remedial Action Work Plan
Operable Unit 1
Site Name: Former Port Mobil Terminal
NYSDEC Site No.: 243016
USEPA ID Number: NYD000824516
NYSDEC Consent Order ID No.: 12-111-A-SBC
USEPA Consent Order ID No.: RCRA-02-2009-7306

Dear Mr. Alam and Ms. Bachmann:

On behalf of NP Staten Island Industrial, LLC, H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) is pleased to submit this Addendum No. 4 to the Alternatives Analysis/Remedial Action Work Plan (AA/RAWP) - Operable Unit 1 (OU-1) for the Former Port Mobil Terminal located at 4101 Arthur Kill Road in Staten Island, New York. This Addendum is being submitted to document the expanded treatment area associated with aboveground storage tank (AST) area 60 and the results of the MW-101 delineation. The area will be treated via in-situ solidification, which is an approved technology in the AA/RAWP, as approved on August 19, 2026.

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

Scott A. Underhill, P.E.
Principal

Enclosures

c:

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NorthPoint Development; Attn: Eric Ricci (ericci@northpointkc.com)

Certification

I, Scott A. Underhill, certify that I am currently a New York State-registered professional engineer and that this Addendum Number 4 to the Alternatives Analysis/Remedial Action Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10) and DER Green Remediation (DER-31).

I certify that all information and statements in this certification are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.



New York Professional Engineer #075332	*September 28, 2026*
	Date

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

REMEDIAL ACTION WORK PLAN ADDENDUM
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

ADDENDUM NUMBER: 04
ADDENDUM TITLE: MW-101 Delineation and Expansion of the AST-60 Treatment Area

Reason for Revision/Change:

☒ Unforeseen Or Differing Site Conditions
☒ Design Revision
☐ Other (Describe)

Description of Revision/Change:

The proposed in situ solidification (ISS) treatment of aboveground storage tank (AST) area AST-60 was defined in the July 2026 Alternatives Analysis/Remedial Action Work Plan (AA/RAWP). Grossly contaminated material (GCM) was visually observed at grade surface within the bounds of the AST-60 light non-aqueous phase liquid (LNAPL) ISS area. Based on the results of the MW-101 delineation, H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) is proposing to expand the AST-60 ISS treatment area to the northwest and extend ISS deeper to the clay interval as shown in Figure 2. Prior to performing the ISS, the full extent of soil will be removed from each ISS mix cell prior to mixing to confirm no additional drums are present. If no drums are encountered in this interval, ISS mixing will proceed in accordance with the AA/RAWP and this RAWP Addendum. If additional drums are encountered, drums will be removed from the excavation and staged properly for future off-site disposal.

Haley & Aldrich of New York is proposing to treat the previously delineated MW-101 area and newly expanded treatment area to the underlying clay layer, which was observed at depths ranging from 13 to 17 feet (ft) below ground surface (bgs) in delineation soil borings. Soil boring logs are included as Attachment 1. Specific cell layout and mixing depths are shown in Figure 3. A cross section of the area is shown on Figure 4. The additional treatment volume is approximately 4,250 cubic yards for ISS. The ISS treatment will be performed as described in the AA/RAWP, including the collection of quality control samples and coring/test pitting. A minimum of 4 ft of non-GCM soils, including the 1-ft clean cover, will be installed over this treatment area since the ISS-treated soils contain GCM. The proposed ISS mix cell layout is shown on Figure 3. Table 1 shows the cell design log with reagent quantities.

In addition, the area between the two LNAPL ISS areas in the AST-60/MW-101 area will be solidified.

Justification for Revision/Change:

Prior to the initiation of ISS treatment, GCM was observed at grade surface within the bounds of ISS cell AST60-031 on June 5, 2026. Preliminary investigation of the GCM on June 6, 2026, revealed the presence of 19 55-gallon drums, observed from just below the surface to approximately 4 ft bgs. The drums were placed within a temporary storage area, and work in this area was stopped. On June 9, 2026, a waste characterization sample was collected from the drum contents, and results indicate the drums likely contained waste oil. The New York State Department of Environmental Conservation (NYSDEC) and U.S. Environmental Protection Agency requested additional investigation of the area due to the presence of the drums.

An MW-101 Delineation Work Plan was submitted by Haley & Aldrich of New York on August 7, 2026. The Delineation Work Plan included the installation of three soil borings (SB-01, SB-02, and SB-03) to a minimum depth of 15 ft bgs for vertical delineation of contamination (visual and analytical sampling) and pre-clearing of the drum field area to a depth of 4 to 6 ft bgs for horizontal delineation of the drums and contamination.

REMEDIAL ACTION WORK PLAN ADDENDUM
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

ADDENDUM NUMBER: 04
ADDENDUM TITLE: MW-101 Delineation and Expansion of the AST-60 Treatment Area

The MW-101 Delineation Work Plan was approved on August 11, 2026, and delineation work began on August 20, 2026, by ENTACT LLC, Coastal Environmental Solutions, Inc., and Haley & Aldrich of New York. During the horizontal delineation, an additional 42 drums were uncovered. The horizontal limits of the drum area expanded to the northwest and were delineated until no more drums were encountered from 0 to 4 ft bgs.

On August 20, September 2, and September 3, 2026, vertical delineation borings were advanced in accordance with the MW-101 Delineation Work Plan by Coastal Environmental Solutions, Inc. A total of 13 soil borings were advanced in the MW-101 area in areas where drums were encountered or along the perimeter of the drum field, 10 more than the proposed three soil borings due to the presence of additional drums. Borings were advanced in 5-ft intervals until a 5-ft interval of clean soil was encountered, determined by a shake test result negative for LNAPL. Haley & Aldrich of New York documented soil conditions, collected shake tests, and collected analytical samples during advancement of the delineation borings. Boring locations and a summary of the analytical results are provided in Figure 1. Soil boring logs are included as Attachment 1. Analytical laboratory reports are included as Attachment 2. Figure 2 shows the locations of the borings, shake test results and respective elevations, the approximate depth and elevation of the confining clay layer, as well as the proposed ISS treatment area. The field work to define the GCM limits through delineation borings and the drum investigation was completed in coordination with the on-site NYSDEC field representative.

Haley & Aldrich of New York is proposing to also treat the area connecting the two LNAPL MW-101/AST-60 ISS areas to create a single solidified monolith. Connecting the individual monoliths in these areas will provide a continuous treatment area and would eliminate gaps between treatment areas that could act as preferential pathways for groundwater flow.

Attachments:

Table 1 – Wet Bucket Mixing Grout Log
Figure 1 – MW-101 Delineation Analytical Results Summary
Figure 2 – MW-101 GCM Delineation and Proposed Additional ISS Treatment
Figure 3 – MW-101 ISS Cell Layout
Figure 4 – MW-101 Cross Sections
Attachment 1 – Soil Boring Logs
Attachment 2 – Analytical Laboratory Reports

FIGURES

In-Situ Stabilization Wet Bucket Mixing Grout Log

Project Name: Former Port Mobil Site - Sitewide Remedy
Project Date: 9/28/2026

ENTACT

DESIGN CELL AND VOLUME DESCRIPTION											REAGENT ADDITION					CELL WATER & REAGENT QUANTITIES						
Cell ID	Center Point	Center Point	Existing Grade	Cell Width	Cell Length	Cell Area	Top of ISS	Bottom of ISS	Target Mixing Depth	Cell Volume	Unit Weight	Treatment Weight	Water to Reagent Ratio	Design Cement Addition	Design Slag Addition	Water Addition	Water Addition	Cement Addition	Slag Addition	Grout Addition	Grout Addition	Grout Unit Weight
	Northing	Easting	ELEV	FT	FT	SF	ELEV	ELEV	FT	CY	PCF	LBS		%	%	LBS	GAL	LBS	LBS	GAL	CY	PCF
START OF AST-60																						
AST60-001	138270.2	916933.3	23.1	N/A	N/A	112.7	23.1	10.1	13.0	54.3	118.5	173,614.4	0.8 : 1.0	5.0%	2.50%	10,417	1,249	8,681	4,340	1,765	8.7	99.3
AST60-002	138272.5	916948.6	22.7	N/A	N/A	306.8	22.7	9.7	13.0	147.7	118.5	472,563.8	0.8 : 1.0	5.0%	2.50%	28,354	3,400	23,628	11,814	4,805	23.8	99.3
AST60-003	138278.0	916966.1	22.7	N/A	N/A	331.2	22.7	9.7	13.0	159.5	118.5	510,198.2	0.8 : 1.0	5.0%	2.50%	30,612	3,670	25,510	12,755	5,188	25.7	99.3
AST60-004	138284.8	916981.5	23.4	N/A	N/A	227.0	23.4	10.4	13.0	109.3	118.5	349,647.3	0.8 : 1.0	5.0%	2.50%	20,979	2,515	17,482	8,741	3,555	17.6	99.3
AST60-005	138263.2	916965.4	22.4	N/A	N/A	110.8	22.4	9.4	13.0	53.4	118.5	170,702.8	0.8 : 1.0	5.0%	2.50%	10,242	1,228	8,535	4,268	1,736	8.6	99.3
AST60-006	138264.9	916980.9	22.6	N/A	N/A	310.1	22.6	9.6	13.0	149.3	118.5	477,632.0	0.8 : 1.0	5.0%	2.50%	28,658	3,436	23,882	11,941	4,857	24.0	99.3
AST60-007	138356.6	917043.9	22.9	N/A	N/A	202.6	22.9	9.9	13.0	97.5	118.5	312,089.9	0.8 : 1.0	5.0%	2.50%	18,725	2,245	15,604	7,802	3,173	15.7	99.3
AST60-008	138357.4	917059.2	23.1	N/A	N/A	459.2	23.1	10.1	13.0	221.1	118.5	707,397.6	0.8 : 1.0	5.0%	2.50%	42,444	5,089	35,370	17,685	7,193	35.6	99.3
AST60-009	138353.5	917077.3	23.5	N/A	N/A	334.7	23.5	10.5	13.0	161.2	118.5	515,636.2	0.8 : 1.0	5.0%	2.50%	30,938	3,710	25,782	12,891	5,243	26.0	99.3
AST60-010	138332.6	917019.6	24.6	N/A	N/A	280.4	24.6	11.6	13.0	135.0	118.5	431,879.2	0.8 : 1.0	5.0%	2.50%	25,913	3,107	21,594	10,797	4,391	21.7	99.3
AST60-011	138335.1	917038.2	23.8	N/A	N/A	433.2	23.8	10.8	13.0	208.6	118.5	667,298.4	0.8 : 1.0	5.0%	2.50%	40,038	4,801	33,365	16,682	6,785	33.6	99.3
AST60-012	138334.8	917058.9	24.0	N/A	N/A	440.0	24.0	11.0	13.0	211.9	118.5	677,820.0	0.8 : 1.0	5.0%	2.50%	40,669	4,876	33,891	16,946	6,892	34.1	99.3
AST60-013	138333.8	917078.3	24.3	N/A	N/A	438.2	24.3	11.3	13.0	211.0	118.5	675,031.7	0.8 : 1.0	5.0%	2.50%	40,502	4,856	33,752	16,876	6,864	34.0	99.3
AST60-014	138315.2	917000.6	25.1	N/A	N/A	323.8	25.1	12.1	13.0	155.9	118.5	498,860.1	0.8 : 1.0	5.0%	2.50%	29,932	3,589	24,943	12,472	5,073	25.1	99.3
AST60-015	138314.2	917018.2	24.9	N/A	N/A	439.0	24.9	11.9	13.0	211.4	118.5	676,341.1	0.8 : 1.0	5.0%	2.50%	40,580	4,866	33,817	16,909	6,877	34.0	99.3
AST60-016	138313.4	917038.0	24.3	N/A	N/A	440.0	24.3	11.3	13.0	211.9	118.5	677,820.0	0.8 : 1.0	5.0%	2.50%	40,669	4,876	33,891	16,946	6,892	34.1	99.3
AST60-017	138312.8	917058.0	24.6	N/A	N/A	440.0	24.6	11.6	13.0	211.9	118.5	677,820.0	0.8 : 1.0	5.0%	2.50%	40,669	4,876	33,891	16,946	6,892	34.1	99.3
AST60-018	138312.2	917077.9	24.8	N/A	N/A	440.0	24.8	11.8	13.0	211.9	118.5	677,820.0	0.8 : 1.0	5.0%	2.50%	40,669	4,876	33,891	16,946	6,892	34.1	99.3
AST60-019A	138298.5	916997.9	24.3	N/A	N/A	184.5	24.3	7.3	17.0	116.2	118.5	371,655.1	0.8 : 1.0	5.0%	2.50%	22,299	2,674	18,583	9,291	3,779	18.7	99.3
AST60-019B	138287.6	916996.5	23.9	N/A	N/A	230.5	23.9	6.9	17.0	145.1	118.5	464,342.3	0.8 : 1.0	5.0%	2.50%	27,861	3,341	23,217	11,609	4,722	23.4	99.3
AST60-020	138291.9	917017.1	24.3	N/A	N/A	440.0	24.3	11.3	13.0	211.9	118.5	677,820.0	0.8 : 1.0	5.0%	2.50%	40,669	4,876	33,891	16,946	6,892	34.1	99.3
AST60-021	138291.3	917037.1	24.6	N/A	N/A	440.0	24.6	11.6	13.0	211.9	118.5	677,820.0	0.8 : 1.0	5.0%	2.50%	40,669	4,876	33,891	16,946	6,892	34.1	99.3
AST60-022	138290.4	917056.7	24.9	N/A	N/A	440.0	24.9	11.9	13.0	211.9	118.5	677,820.0	0.8 : 1.0	5.0%	2.50%	40,669	4,876	33,891	16,946	6,892	34.1	99.3
AST60-023	138290.2	917076.7	25.1	N/A	N/A	418.2	25.1	12.1	13.0	201.4	118.5	644,252.5	0.8 : 1.0	5.0%	2.50%	38,655	4,635	32,213	16,106	6,551	32.4	99.3
AST60-024	138272.7	916994.1	23.4	N/A	N/A	310.9	23.4	7.4	16.0	184.2	118.5	589,371.6	0.8 : 1.0	5.0%	2.50%	35,362	4,240	29,469	14,734	5,993	29.7	99.3
AST60-025	138270.5	917009.8	23.7	N/A	N/A	375.1	23.7	7.7	16.0	222.3	118.5	711,094.8	0.8 : 1.0	5.0%	2.50%	42,666	5,116	35,555	17,777	7,231	35.8	99.3
AST60-026	138270.0	917026.0	24.2	N/A	N/A	352.2	24.2	8.2	16.0	208.7	118.5	667,695.4	0.8 : 1.0	5.0%	2.50%	40,062	4,804	33,385	16,692	6,789	33.6	99.3
AST60-027	138268.7	917042.0	24.9	N/A	N/A	352.0	24.9	8.9	16.0	208.6	118.5	667,392.0	0.8 : 1.0	5.0%	2.50%	40,044	4,801	33,370	16,685	6,786	33.6	99.3
AST60-028	138268.2	917058.2	25.6	N/A	N/A	352.0	25.6	9.6	16.0	208.6	118.5	667,392.0	0.8 : 1.0	5.0%	2.50%	40,044	4,801	33,370	16,685	6,786	33.6	99.3
AST60-029	138268.3	917073.9	25.6	N/A	N/A	314.1	25.6	9.6	16.0	186.1	118.5	595,514.6	0.8 : 1.0	5.0%	2.50%	35,731	4,284	29,776	14,888	6,055	30.0	99.3
AST60-030	138247.0	917022.0	23.5	N/A	N/A	142.0	23.5	7.5	16.0	84.2	118.5	269,307.8	0.8 : 1.0	5.0%	2.50%	16,158	1,937	13,465	6,733	2,738	13.6	99.3
AST60-031A	138252.6	917035.1	25.0	N/A	N/A	220.0	25.0	9.0	16.0	130.4	118.5	417,120.0	0.8 : 1.0	5.0%	2.50%	25,027	3,001	20,856	10,428	4,241	21.0	99.3
AST60-031B	138242.6	917034.3	24.3	N/A	N/A	220.0	24.3	8.3	16.0	130.4	118.5	417,120.0	0.8 : 1.0	5.0%	2.50%	25,027	3,001	20,856	10,428	4,241	21.0	99.3
AST60-032	138246.6	917055.0	26.0	N/A	N/A	440.0	26.0	13.0	13.0	211.9	118.5	677,820.0	0.8 : 1.0	5.0%	2.50%	40,669	4,876	33,891	16,946	6,892	34.1	99.3
AST60-033	138249.5	917070.4	25.9	N/A	N/A	166.2	25.9	12.9	13.0	80.0	118.5	256,000.3	0.8 : 1.0	5.0%	2.50%	15,360	1,842	12,800	6,400	2,603	12.9	99.3
AST60-034	138229.4	917029.8	23.6	N/A	N/A	423.9	23.6	10.6	13.0	204.1	118.5	653,002.5	0.8 : 1.0	5.0%	2.50%	39,180	4,698	32,650	16,325	6,640	32.9	99.3
AST60-035	138228.8	917053.4	25.3	N/A	N/A	290.4	25.3	12.3	13.0	139.8	118.5	447,345.8	0.8 : 1.0	5.0%	2.50%	26,841	3,218	22,367	11,184	4,549	22.5	99.3
AST60-108	138279.8	916926.2	24.3	N/A	N/A	195.4	24.3	11.3	13.0	94.1	118.5	301,059.9	0.8 : 1.0	5.0%	2.50%	18,064	2,166	15,053	7,526	3,061	15.2	99.3
AST60-109	138289.0	916943.0	23.9	N/A	N/A	366.8	23.9	10.9	13.0	176.6	118.5	565,009.2	0.8 : 1.0	5.0%	2.50%	33,901	4,065	28,250	14,125	5,745	28.4	99.3
AST60-110	138295.4	916960.2	23.3	N/A	N/A	346.7	23.3	10.3	13.0	166.9	118.5	534,091.4	0.8 : 1.0	5.0%	2.50%	32,045	3,842	26,705	13,352	5,431	26.9	99.3
AST60-111	138297.4	916975.3	23.0	N/A	N/A	170.5	23.0	10.0	13.0	82.1	118.5	262,670.7	0.8 : 1.0	5.0%	2.50%	15,760	1,890	13,134	6,567	2,671	13.2	99.3
AST60-112	138310.3	916952.1	25.4	N/A	N/A	146.6	25.4	12.4	13.0	70.6	118.5	225,868.1	0.8 : 1.0	5.0%	2.50%	13,552	1,625	11,293	5,647	2,297	11.4	99.3

In-Situ Stabilization Wet Bucket Mixing Grout Log

Project Name: Former Port Mobil Site - Sitewide Remedy

Project Date: 9/28/2026

ENTACT

DESIGN CELL AND VOLUME DESCRIPTION											REAGENT ADDITION					CELL WATER & REAGENT QUANTITIES						
Cell ID	Center Point	Center Point	Existing Grade	Cell Width	Cell Length	Cell Area	Top of ISS	Bottom of ISS	Target Mixing Depth	Cell Volume	Unit Weight	Treatment Weight	Water to Reagent Ratio	Design Cement Addition	Design Slag Addition	Water Addition	Water Addition	Cement Addition	Slag Addition	Grout Addition	Grout Addition	Grout Unit Weight
	Northing	Easting	ELEV	FT	FT	SF	ELEV	ELEV	FT	CY	PCF	LBS		%	%	LBS	GAL	LBS	LBS	GAL	CY	PCF
AST60-113	138321.6	916957.2	24.7	N/A	N/A	113.9	24.7	7.7	17.0	71.7	118.5	229,391.1	0.8 : 1.0	5.0%	2.50%	13,763	1,650	11,470	5,735	2,332	11.5	99.3
AST60-114	138312.0	916969.1	24.5	N/A	N/A	161.0	24.5	7.5	17.0	101.4	118.5	324,314.4	0.8 : 1.0	5.0%	2.50%	19,459	2,333	16,216	8,108	3,298	16.3	99.3
AST60-115	138304.5	916982.9	23.8	N/A	N/A	156.0	23.8	6.8	17.0	98.2	118.5	314,322.4	0.8 : 1.0	5.0%	2.50%	18,859	2,261	15,716	7,858	3,196	15.8	99.3
AST60-116	138313.2	916985.3	24.3	N/A	N/A	154.4	24.3	7.3	17.0	97.2	118.5	311,018.7	0.8 : 1.0	5.0%	2.50%	18,661	2,238	15,551	7,775	3,163	15.7	99.3
AST60-117	138324.2	916972.2	24.5	N/A	N/A	140.3	24.5	7.5	17.0	88.3	118.5	282,634.4	0.8 : 1.0	5.0%	2.50%	16,958	2,033	14,132	7,066	2,874	14.2	99.3
AST60-118	138332.8	916962.1	23.7	N/A	N/A	75.4	23.7	6.7	17.0	47.5	118.5	151,973.9	0.8 : 1.0	5.0%	2.50%	9,118	1,093	7,599	3,799	1,545	7.7	99.3
AST60-119	138343.1	916975.4	23.6	N/A	N/A	318.7	23.6	10.6	13.0	153.5	118.5	491,019.0	0.8 : 1.0	5.0%	2.50%	29,461	3,533	24,551	12,275	4,993	24.7	99.3
AST60-120	138329.2	916992.7	24.7	N/A	N/A	414.2	24.7	11.7	13.0	199.4	118.5	638,075.1	0.8 : 1.0	5.0%	2.50%	38,285	4,590	31,904	15,952	6,488	32.1	99.3
AST60-121	138344.2	917016.2	24.7	N/A	N/A	373.2	24.7	11.7	13.0	179.7	118.5	574,868.4	0.8 : 1.0	5.0%	2.50%	34,492	4,136	28,743	14,372	5,845	28.9	99.3
AST60-122	138349.0	917003.1	25.0	N/A	N/A	314.3	25.0	12.0	13.0	151.3	118.5	484,225.4	0.8 : 1.0	5.0%	2.50%	29,054	3,484	24,211	12,106	4,924	24.4	99.3
AST60-123	138358.5	916987.3	23.2	N/A	N/A	302.4	23.2	10.2	13.0	145.6	118.5	465,801.0	0.8 : 1.0	5.0%	2.50%	27,948	3,351	23,290	11,645	4,736	23.4	99.3
AST60-124	138365.9	917008.2	22.7	N/A	N/A	212.0	22.7	9.7	13.0	102.1	118.5	326,555.2	0.8 : 1.0	5.0%	2.50%	19,593	2,349	16,328	8,164	3,320	16.4	99.3
AST60-125	138361.2	917030.6	22.9	N/A	N/A	331.5	22.9	9.9	13.0	159.6	118.5	510,675.3	0.8 : 1.0	5.0%	2.50%	30,641	3,674	25,534	12,767	5,193	25.7	99.3
AST60-126	138341.4	917099.6	23.9	N/A	N/A	411.1	23.9	10.9	13.0	197.9	118.5	633,334.2	0.8 : 1.0	5.0%	2.50%	38,000	4,556	31,667	15,833	6,440	31.9	99.3
AST60-127	138322.5	917097.6	24.7	N/A	N/A	408.6	24.7	11.7	13.0	196.7	118.5	629,454.2	0.8 : 1.0	5.0%	2.50%	37,767	4,528	31,473	15,736	6,400	31.7	99.3
AST60-128	138301.9	917094.7	25.0	N/A	N/A	312.4	25.0	12.0	13.0	150.4	118.5	481,244.7	0.8 : 1.0	5.0%	2.50%	28,875	3,462	24,062	12,031	4,893	24.2	99.3

MW101-SB-09	09/03/2026 460-359015-3 MW101-SB-09_4 4 (ft)	09/03/2026 460-359015-4 MW101-SB-09_6 6 (ft)
Volatile Organic Compounds (mg/kg)		
Benzene	0.39	ND (0.00095)

MW101-SB-05	09/03/2026 460-359015-9 MW101-SB-05_4 4 (ft)	09/03/2026 460-359015-10 MW101-SB-05_8.5 8.5 (ft)
Volatile Organic Compounds (mg/kg)		
Benzene	0.42	ND (0.11)
Ethylbenzene	3.5	ND (0.11)
Xylene (Total)	13	ND (0.22)
Inorganic Compounds (mg/kg)		
Lead	4010	3.2

MW101-SB-06	09/03/2026 460-359015-13 MW101-SB-06_5 5 (ft)	09/03/2026 460-359015-14 MW101-SB-06_9 9 (ft)
Volatile Organic Compounds (mg/kg)		
Benzene	0.52	0.0019
Ethylbenzene	1.1	ND (0.00099)
Xylene (Total)	2.5	ND (0.002)
Semi-Volatile Organic Compounds (mg/kg)		
Benzo(a)anthracene	3.7	ND (0.039)

MW101-SB-02	08/20/2026 460-358008-1 MW101-SB-02_6 6 (ft)	08/20/2026 460-358008-2 MW101-SB-02_9.5 9.5 (ft)
Volatile Organic Compounds (mg/kg)		
Benzene	0.095	ND (0.0004)

MW101-SB-01	08/20/2026 460-358008-5 MW101-SB-01_5 5 (ft)	08/20/2026 460-358008-6 MW101-SB-01_9.5 9.5 (ft)
Volatile Organic Compounds (mg/kg)		
Benzene	9.8	0.13
Ethylbenzene	32	0.54
Xylene (Total)	17	0.3
Semi-Volatile Organic Compounds (mg/kg)		
Benzo(a)anthracene	1.2	0.68
Naphthalene	17	ND (0.39)

A
A'
B
B'
PRB-H
MW101-SB-10
MW101-SB-09
MW-MW101D/MW101-SB004
MW-MW101C/MW101-SB006
RW1A
MW101-SB-11
MW101-SB-08
WP05-MW101
MW101-SB-13
MW101-SB-07
MW101-SB-12
2 DRUMS
MW101-SB-05
4 DRUMS
MW-MW101J/MW101-SB008
MW-101
MW-MW101B/MW101-SB002
MW-MW101I/MW101-SB010
MW101-SB-06
6 DRUMS
5 DRUMS
MW-MW101A/MW101-SB001
A3-12/RW-10
WP12-MW101
WP09-MW101
A3-11/RW-11
RW-12
A3-3/RW-8
MW-MW101H/MW101-SB011
MW101-SB-01
MW101-SB-04
MW101-SB-02
MW-MW101G/MW101-SB017
MW-MW101E/MW101-SB020
RW-13
A3-14/RW-9
MW-100
19 DRUMS
L-29
MW-MW101K/MW101-SB016
MW-MW101F/MW101-SB018
MW101-SB-03
MW-102
RW-5
RW-6/A3-7
1 DRUM
60

LEGEND

- SOIL BORING
- MONITORING WELL DESTROYED/DECOMISSIONED
- MONITORING WELL
- DRUM REMOVED TO CONTAINMENT AREA
- DRUM LEFT IN PLACE
- CONTAINMENT BERM
- STRUCTURES
- ISS EXTENTS/LNAPL 5FT BUFFER
- CROSS-SECTION LINE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. DEFINITIONS:
   ISS = IN-SITU SOLIDIFICATION
   ESS = EX-SITU SOLIDIFICATION
3. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2025

	NY-PGW	NY-IUSCO
Volatile Organic Compounds (mg/kg)		
Benzene	0.06	20
Ethylbenzene	1	390
Xylene (Total)	1.2	1000
Semi-Volatile Organic Compounds (mg/kg)		
Benzo(a)anthracene	1	37
Naphthalene	12	1000
Inorganic Compounds (mg/kg)		
Lead	450	3900

N

0 30 60
SCALE IN FEET

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

MW-101 DELINEATION ANALYTICAL RESULTS SUMMARY

SEPTEMBER 2026

FIGURE 1

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0208988\GIS\Maps\2026_05\208988_AST_ISS_AREAS.aprx - USER: pdilillo - LAST SAVED: 9/28/2026 11:22 AM

MW101_SB-11
PASSED AT 4',
FAILED AT 7.5',
FAILED AT 10',
PASSED AT 12',
CLAY AT EL. 13.54'

MW101_SB-10
FAILED AT 5',
PASSED AT 8',
PASSED AT 13.5',
CLAY AT EL. 9.5'

MW101_SB-09
FAILED AT 5',
PASSED AT 9',
PASSED AT 11.5',
CLAY AT EL. 13.21'

MW101_SB-08
PASSED AT 5',
PASSED AT 9',
PASSED AT 12',
CLAY AT EL. 13.39'

MW101_SB-13
FAILED AT 4',
FAILED AT 12',
PASSED AT 18',
CLAY AT EL. 7.38'

1 DRUM
1 DRUM
1 DRUM
1 DRUM
1 DRUM
1 DRUM

MW101_SB-12
FAILED AT 5',
FAILED AT 9',
PASSED AT 15',
CLAY AT EL. 15.26'

1 DRUM
1 DRUM
2 DRUMS
2 DRUMS
1 DRUM

MW101_SB-07
PASSED AT 5',
FAILED AT 8',
PASSED AT 12',
CLAY AT EL. 13.49'

4 DRUMS
1 DRUM
4 DRUMS
6 DRUMS
5 DRUMS

MW101_SB-06
FAILED AT 5',
FAILED AT 8',
PASSED AT 12',
CLAY AT EL. 5.55'

MW101_SB-05
FAILED AT 4',
FAILED AT 7.5',
PASSED AT 12',
CLAY AT EL. 12.39'

MW101_SB-01
FAILED AT 4',
FAILED AT 9',
PASSED AT 15',
CLAY AT EL. 8.19'

1 DRUM
1 DRUM
1 DRUM
1 DRUM
1 DRUM
1 DRUM
1 DRUM
1 DRUM
19 DRUMS
2 DRUMS
1 DRUM

MW101_SB-04
PASSED AT 4',
PASSED AT 8',
PASSED AT 15',
PASSED AT 18',
CLAY AT EL. 4.33'

MW101_SB-02
FAILED AT 5',
FAILED AT 10',
PASSED AT 12',
CLAY AT EL. 9.94'

MW101_SB-03
PASSED AT 5',
PASSED AT 8',
PASSED AT 13',
CLAY AT EL. 11.53'

LEGEND

- SHAKE TEST - NEGATIVE (PASS) FOR LNAPL
- SHAKE TEST - POSITIVE (FAIL) FOR LNAPL
- DRUM REMOVED TO CONTAINMENT AREA
- DRUM LEFT IN PLACE
- CONTAINMENT BERM
- PRB ALIGNMENT
- STRUCTURES
- ISS MIX CELL
- PROPOSED ADDITIONAL ISS TREATMENT AREA
- ISS MIX DEPTH TO 16 FT BGS
- ISS MIX DEPTH TO 17 FT BGS

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. DEFINITIONS:
   ISS = IN-SITU SOLIDIFICATION
   ESS = EX-SITU SOLIDIFICATION
3. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2025
4. ISS FOR ALL CELLS NOT OTHERWISE SPECIFIED WILL BE MIXED TO A DEPTH OF 13 FT BGS.

0 30 60
SCALE IN FEET

HALEY ALDRICH

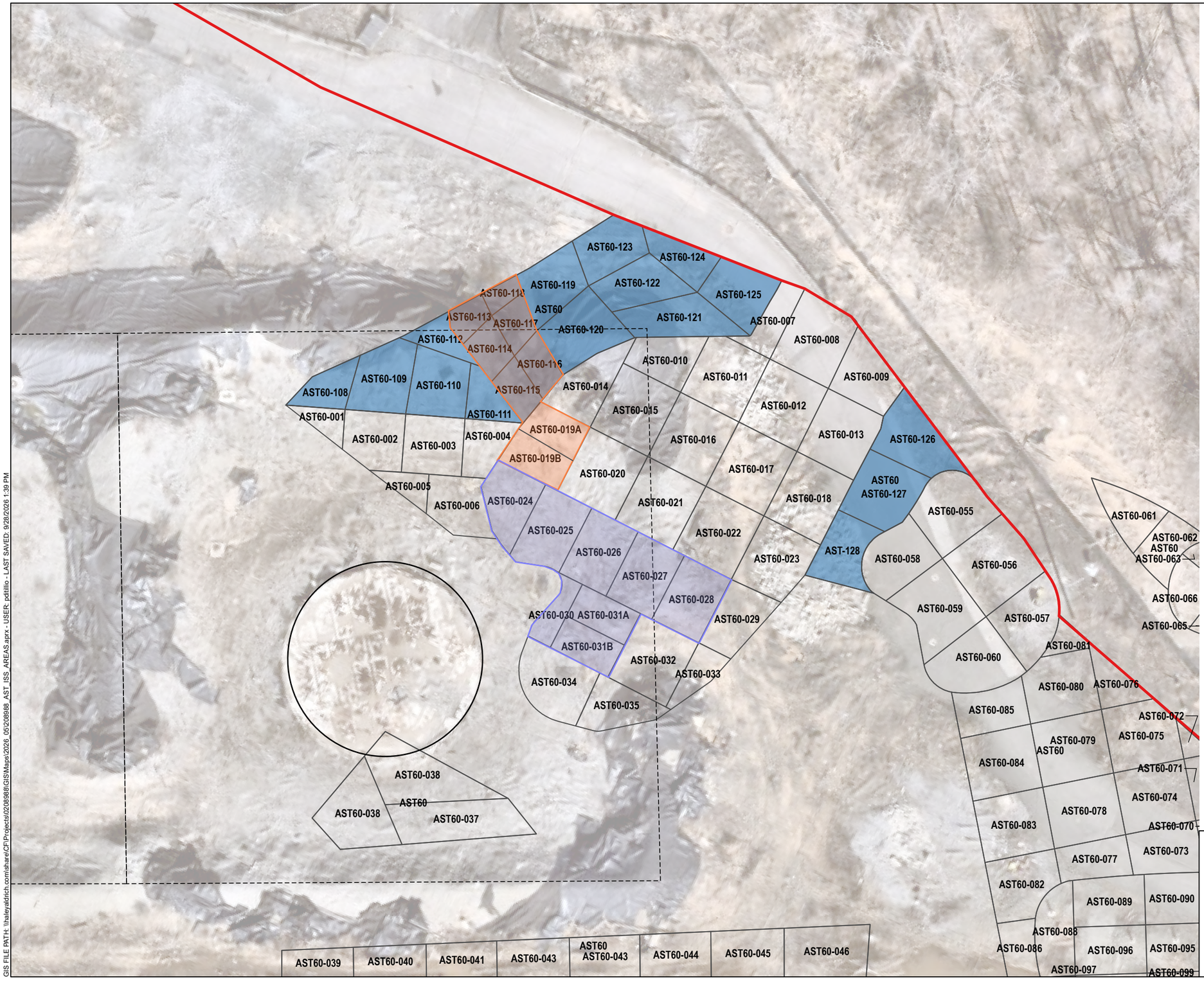
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

MW-101 GCM DELINEATION AND PROPOSED ADDITIONAL ISS TREATMENT

SEPTEMBER 2026

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\0208988\GIS\Maps\2026_05\208988_AST_ISS_AREAS.aprx - USER: pdilillo - LAST SAVED: 9/28/2026 1:39 PM



LEGEND

- PRB ALIGNMENT
- CONTAINMENT BERM
- PROPOSED ADDITIONAL ISS TREATMENT AREA
- ISS MIX CELL
- STRUCTURES
- ISS MIX DEPTH TO 16 FT BGS
- ISS MIX DEPTH TO 17 FT BGS

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 20253.
3. ISS FOR ALL CELLS NOT OTHERWISE SPECIFIED WILL BE MIXED TO A DEPTH OF 13 FT BGS.

0 30 60
SCALE IN FEET

HALEY ALDRICH

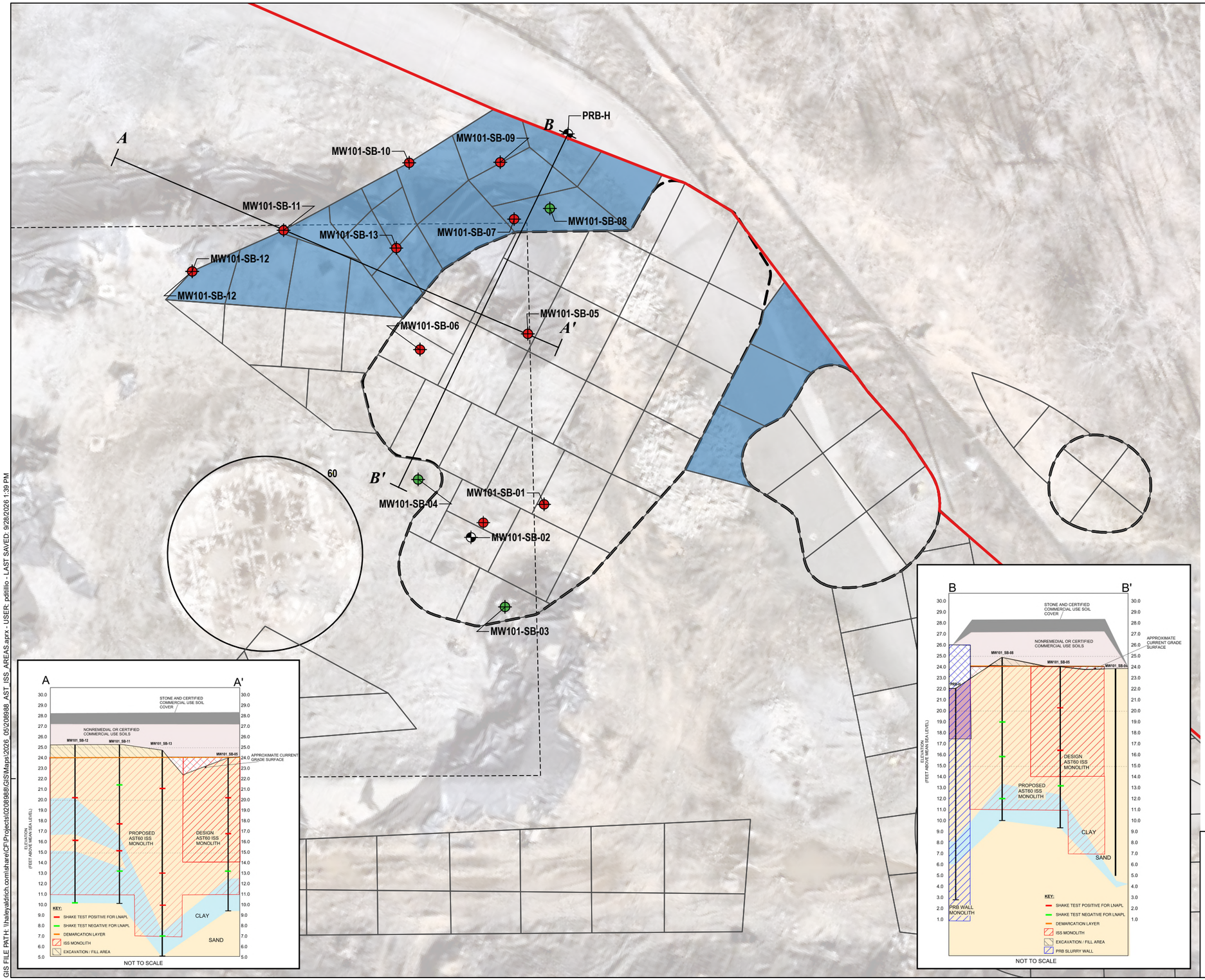
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

MW-101 ISS CELL LAYOUT

SEPTEMBER 2026

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0208988\GIS\Maps\2026_05\208988_AST_ISS_AREAS.aprx - USER: pditillio - LAST SAVED: 9/28/2026 1:39 PM



LEGEND

- SHAKE TEST - NEGATIVE (PASS) FOR LNAPL
- SHAKE TEST - POSITIVE (FAIL) FOR LNAPL
- SOIL BORING
- PRB ALIGNMENT
- CONTAINMENT BERM
- CROSS-SECTION LINE
- STRUCTURES
- ISS EXTENTS/LNAPL 5FT BUFFER
- PROPOSED ADDITIONAL ISS TREATMENT AREA
- ISS CELL LAYOUT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. DEFINITIONS:
   ISS = IN-SITU SOLIDIFICATION
   ESS = EX-SITU SOLIDIFICATION
3. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 9, 2025

0 30 60
SCALE IN FEET

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

MW-101 CROSS SECTIONS

SEPTEMBER 2026

FIGURE 4

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\02\208988\GIS\Maps\2026_0523\208988_AST_ISS_AREAS.aprx - USER: pdilillo - LAST SAVED: 9/28/2026 1:39 PM

ATTACHMENT 1
Soil Boring Logs

HALEY ALDRICH

SOIL BORING LOG

BORING NO. MW101-SB-01

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	CTL & ZY
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	8/20/2026
DRILLER	Steve Kuhn	**DATE FINISHED**	8/20/2026

Elevation	25.79 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6011DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	**20**	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	**2**			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	60%	0.0	Petroleum-like odor	Dry	0-5	Brown to black fine to coarse SAND, trace angular fine gravel, no structure [SP]	
1		0.0					
2		0.0					
3		7.1					LNAPL staining observed within liner
4		100.8					4-12 ft bgs
5		204.2					Shake test at 4 ft bgs FAIL
	75%	69.5	Petroleum-like odor	Moist	5-10	Brown to black fine to coarse SAND, trace angular fine gravel, no structure [SP]	Sampled MW101-SB-02_5 at 11:30
6		73.8					
7		67.7					
8		22.8					Shake test at 9 ft bgs FAIL
9		33.6					Sampled MW101-SB-02_9.5 at 11:40
10		21.5					
	100%	33.8	Petroleum-like odor	Wet	10-13	Gray brown fine to medium SAND, no structure [SP]	GW encountered 10 ft bgs
11		49.0					
12		42.1					
13		54.6					
14		3.1					
15		5.0			13-15	Brown to red brown CLAY with fine to medium sand [CL]	
		1.7					
		0.1					
							Shake test at 15 ft bgs PASS
	100%	1.7	None	Wet	15-17.5	Brown to red brown silty fine to coarse SAND, no structure [SM]	
16		0.0					
17		0.0					
		0.0					Shake test at 17 ft bgs PASS
		0.0			17.5-20	Red brown CLAY, trace fine to coarse sand [CL]	
18		0.0					
19		0.0					
20						END OF EXPLORATION	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
20-Aug	11:30		10

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-01

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. MW101-SB-02

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	CTL & ZY
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	8/20/2026
DRILLER	Steve Kuhn	**DATE FINISHED**	8/20/2026

Elevation	23.94 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6011DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	**15**	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	**2**			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	80%	0.0	Petroleum-	Dry	0-5	Black to gray brown fine to medium SAND with silt, trace angular fine	
1			like odor			gravel, no structure [SP]	
		126.6					
2							
		91.2					LNAPL staining observed within liner
3							2-8.5 ft bgs
		140.4					
4							
		60.4					
		350					Shake test at 5 ft bgs FAILED
5	100%	51.8	Petroleum-	Moist	5-10	Gray brown to brown fine to medium SAND with silt, no structure [SP]	
		166.6	like odor				Sampled MW101-SB-02_6 at 9:00
6		135.6					
		192.0					
7		137.7					
		60.6					
8		12.0					
		98.1					
9							Sampled MW101-SB-02_9.5 at 9:05
							Shake test at 10 ft bgs PASS
10	100%	48.6	Faint	Wet	10-14	Brown fine to medium SAND with silt, no structure [SP]	GW encountered 10 ft bgs
		17.6	Petroleum-				
11		9.2	like odor				
		12.8					
12		88.9					Shake test at 12 ft bgs PASS
		39.1					
13		68.1					
		52.1			14-15	Brown CLAY with fine sand [CL]	
14							
						END OF EXPLORATION	
15							End of Core - 15 ft bgs
16							
17							
18							
19							
20							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
20-Aug	8:45		10

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	15
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-02

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. MW101-SB-03

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	CTL & ZY
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	8/20/2026
DRILLER	Steve Kuhn	**DATE FINISHED**	8/20/2026

Elevation	24.53 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6011DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	**15**	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	**2**			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	80%	0.0	None	Dry	0-5	Orange brown fine to medium SAND with silt, trace angular fine gravel, no structure [SP]	
1		0.0					
2		0.0					
3		0.0					
4		0.0					
5							Shake test at 5 ft bgs PASS
	80%	22.2	Faint	Moist	5-7.5	Brown fine to coarse SAND with silt, tracesubrounded fine gravel, no structure [SP]	LNAPL staining observed within liner from 5-6.5 ft bgs
6		1.5	Petroleum-like odor				Sampled MW101-SB-03_6 at 9:50
7		0.0			7.5-10	Red brown CLAY with fine sand [CL]	
8		0.0					Shake test at 8 ft bgs PASS
9		0.0					Sampled MW101-SB-02_9.5 at 9:58
10	100%	0.0	Faint	Wet	10-13	Red brown silty fine to medium SAND, no structure [SM]	GW encountered 10 ft bgs
11		0.0	Petroleum-like odor				
12		0.0					
13					13-15	Red brown CLAY with fine to coarse sand and trace angular fine gravel [CL]	Shake test at 13 ft bgs PASS
14		0.0					
15						END OF EXPLORATION	End of Core - 15 ft bgs
16							
17							
18							
19							
20							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
20-Aug	9:45		10

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	15
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-03

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

SOIL BORING LOG

BORING NO. MW101-SB-04

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	MRD + CTL
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	9/3/2026
DRILLER	Travis Savard	**DATE FINISHED**	9/3/2026

Elevation	23.83 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6620DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	**20**	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	**2**			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	65%	0.0	None	Moist	0-5	Light brown to brown fine to medium SAND with fine subrounded gravel, trace fines, trace broken glass, no structure [FILL]	
1		0.0					
2		0.0					
3		0.0					
4		0.0					Shake test at 4 ft bgs PASS
5	100%	0.0	None	Wet	5-10	Light brown to brown fine to medium SAND, trace fines, trace fine subrounded gravel, no structure [SP]	Sampled MW101-SB-04_5 at 11:15
6		0.0					
7		0.0					Sampled MW101-SB-04_7 at 11:30
8		0.0					Shake test at 8 ft bgs PASS
9		0.0					GW encountered at 8 ft bgs
10	100%	0.0	None	Wet	10-15	Light brown to brown fine to medium SAND, trace fines, no structure [SP]	
11		0.0					
12		0.0					
13		0.0					
14		0.0					
15	100%	0.0	None	Wet	15-19.5	Light brown to brown fine to medium SAND, trace fines, no structure [SP]	Shake test at 15 ft bgs PASS
16		0.0					
17		0.0					
18		0.0					
19		0.0			19.5-20	Red lean CLAY, trace fine subrounded gravel [CL]	Shake test at 19 ft bgs PASS
20						END OF EXPLORATION	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
3-Sep	11:30		8

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-04

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. MW101-SB-05

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	MRD + CTL
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	9/3/2026
DRILLER	Travis Savard	**DATE FINISHED**	9/3/2026

Elevation	24.39 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6620DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	**15**	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	**2**			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	53%	0.0	Strong	Moist	0-3	Brown to black fine to coarse SAND, some angular to subangular fine gravel,	
1			petroleum-like			trace fines, trace metal [FILL]	
		0.1	odor				
2							
		12.5			3-5	Black fine to coarse SAND, trace angular to subangular gravel [SP]	
3							
							Sampled MW101-SB-05_4 at 10:50
4							Shake test at 4 ft bgs FAILED
5	100%	2.6	Strong	Moist	5-6.5	Black fine to medium SAND, trace coarse sand [SP]	
			petroleum-like				
6		6.8	odor		6.5-7	Black fine to medium silty SAND, trace fines [SM]	
7							
		20.1			7-10	Light brown fine to medium SAND, trace coarse sand, trace fines [SP]	Shake test at 7.5 ft bgs FAILED
8							Sheen 8-8.5 ft bgs
		13.4					
9							Sampled MW101-SB-05_8.5 at 11:00
		72.7					GW encountered at 9 ft bgs
10		5.9					
	100%	4.9	None	Wet	10-12	Light brown fine to medium SAND, trace coarse sand, trace fines, stained [SP]	
11							Sheen 10.5-11 ft bgs
		3.2					
12					12-15	Red brown to light gray lean CLAY, with fine to coarse sand,	Shake test at 12 ft bgs PASS
		3.5				trace fine rounded to subangular gravel, 1-2 mm laminations [CL]	
13							
		0.0					
14							
						END OF EXPLORATION	
15							
16							
17							
18							
19							
20							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
3-Sep	11:00		9

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	15
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-05

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

SOIL BORING LOG

BORING NO. MW101-SB-06

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	MRD + CTL
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	9/3/2026
DRILLER	Travis Savard	**DATE FINISHED**	9/3/2026

Elevation	23.55 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6620DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	**20**	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	**2**			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0							
	60%	1.1	Mild	Moist	0-5	Brown to dark brown gray fine to medium SAND, trace fines, trace coarse	
1			petroleum-like			sand, trace angular to subangular fine gravel, no structure [SP]	
		1.0	odor				
2							
		220.8					
3							
		102.4					Staining at 3-5 ft bgs
4							
		430.5					Sampled MW101-SB-06_5 at 11:45
		363.4					Shake test at 5 ft bgs FAILED
5							
	100%	75.5	Petroleum-like	Moist	5-10	Brown to dark brown gray fine to medium SAND, trace fines, trace coarse sand,	
6		65.0	odor			trace angular to subangular fine gravel, no structure [SP]	
		317.1					
7		195.4					
		22.4					
8		14.7					Shake test at 8 ft bgs FAILED
9		9.6					Sampled MW101-SB-06_9 at 12:00
		7.0					
10							
	100%	5.7	None	Wet	10-12.5	Brown to dark brown gray fine to medium SAND, trace fines, trace coarse sand,	GW encountered at 10 ft bgs
11						trace angular to subangular fine gravel, no structure [SP]	
		6.2					
12							Shake test at 12 ft bgs PASS
		5.0			12.5-15	Red brown to gray lean CLAY, with fine to coarse sand, some fine	
13						to medium gravel, 1-2 mm laminations [CL]	
		2.1					
14							
		1.7					
15							
	100%	1.6	Mild	Wet	15-18	Brown fine to medium SAND, with silt, no structure [SP]	
16			petroleum-like				
		1.7	odor				
17							
		1.6					
18					18-20	Red brown lean CLAY, with fine to coarse sand, trace fine subrounded to	
		1.0				rounded gravel, 1-2 mm laminations [CL]	Shake test at 18 ft bgs PASS
19							
		1.4					
20						END OF EXPLORATION	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
3-Sep	12:00		10

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-06

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. MW101-SB-07

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	MRD + CTL
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	9/3/2026
DRILLER	Travis Savard	**DATE FINISHED**	9/3/2026

Elevation	25.49 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6620DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	**15**	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	**2**			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	53%	0.0	None	Moist	0-5	Dark brown to brown fine to medium SAND, trace fines, trace angular to subangular gravel [SP]	
1		0.0					
2		0.0					
3		0.0					Sampled MW101-SB-07_3 at 10:10
4		0.0					Shake test at 5 ft bgs PASS
5							Sampled MW101-SB-07_5 at 10:20
	100%	0.0	None	Wet	5-10	Light brown to brown fine to medium SAND, trace fines [SP]	
6		0.0					GW encountered at 5.5 ft bgs
7		0.0					
8		67.6	Mild petroleum-like odor				Shake test at 8 ft bgs FAILED
9		6.7					
10		0.0					
	100%	1.2	None	Wet	10-12	Light brown fine to medium SAND, trace silt [SP]	
11		2.4					
12		0.0			12-15	Red brown to light gray lean CLAY, with fine to coarse sand trace rounded to subangular gravel, 1-2 mm laminations [CL]	Shake test at 12 ft bgs PASS
13		0.0					
14		0.0					
15						END OF EXPLORATION	
16							
17							
18							
19							
20							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
3-Sep	10:20		5.5

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	15
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-07

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

SOIL BORING LOG

BORING NO. MW101-SB-08

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	MRD + CTL
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	9/3/2026
DRILLER	Travis Savard	**DATE FINISHED**	9/3/2026

Elevation	24.89 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6620DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	**15**	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	**2**			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	70%	0.0	None	Moist	0-5	Dark brown orange brown fine to medium SAND with silt, trace coarse sand, trace metals, no structure [FILL]	
1		0.0					
2		0.0					
3		0.0					
4		0.0					Sampled MW101-SB-08_4 at 9:50
5	100%	0.0	None	Moist	5-10	Orange brown to brown fine to medium SAND, trace coarse sand trace organics, trace fines, no structure [SP]	Shake test at 5 ft bgs PASS
6		0.0					
7		0.0					Sampled MW101-SB-08_7.5 at 10:00
8		0.0					GW encountered at 8 ft bgs
9		0.0					Shake test at 9 ft bgs PASS
10	100%	0.0	None	Wet	10-11.5	Brown fine to medium SAND with silt, no structure [SP]	
11		0.0			11.5-15	Red brown to light gray lean CLAY, with fine to coarse sand, trace rounded to subangular gravel, 1-2 mm laminations [CL]	Shake test at 12 ft bgs PASS
12		0.0					
13		0.0					
14		0.0					
15						END OF EXPLORATION	
16							
17							
18							
19							
20							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
3-Sep	10:00		8

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	15
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-08

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. MW101-SB-09

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	MRD + CTL
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	9/3/2026
DRILLER	Travis Savard	**DATE FINISHED**	9/3/2026

Elevation	24.21 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6620DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	15	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	2			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	57%	0.0	Mild	Moist	0-5	Brown to dark gray fine to medium SAND, trace coarse sand, trace fines	
1			petroleum-like			trace organic wood, trace brick [SP]	
		0.0	odor				
2							
		0.0					
3							
		0.0					
4							Sampled MW101-SB-09_4 at 9:30
		0.0					Potential staining last 4 inches
5							Shake test at 5 ft bgs FAILED
	100%	2.2	Mild	Wet	5-9	Brown to dark gray fine to medium SAND, trace coarse sand, trace brick,	
6			petroleum-like			trace fines [SP]	Sampled MW101-SB-09_6 at 9:40
		101.8	odor				GW encountered at 6.5 ft bgs
7							Sheen observed
		240.8					
8							
		9.7					
9					9-10	Red brown lean CLAY, with fine to coarse sand, 2 mm dark gray laminations [CL]	Shake test at 9 ft bgs PASS
		3.9					
10	100%	3.0	None	Wet	10-11	Brown fine to medium SAND, trace silt, trace fine angular gravel [SP]	
11							
		3.7					Shake test at 11.5 ft bgs PASS
12					11-15	Red brown to light gray lean CLAY, with fine to coarse sand, some fine	
		2.2				angular to subrounded gravel, 1-2 mm laminations [CL]	
13							
		1.0					
14							
		1.3					
15						END OF EXPLORATION	
16							
17							
18							
19							
20							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
3-Sep	9:40		6.5

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	15
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-09

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. MW101-SB-10

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	MRD + CTL
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	9/3/2026
DRILLER	Travis Savard	**DATE FINISHED**	9/3/2026

Elevation	23.10 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 6620DT	**Surface Conditions**	**Drilling Notes**
Type	Steel	Acetate liner		**Completion Depth (ft.)**	15	Soil	
Inside Diameter (in.)	1.75	1.68		**Drilling Method**	Direct Push		
Hammer Weight (lb.)				**Number of Samples**	2		
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	43%	0.0	Faint	Moist	0-5	Brown fine to medium SAND, some silt, trace coarse sand [SP]	
1			petroleum-like				
		0.0	odor				
2							
		0.0					
3							
4		3.3					Sampled MW101-SB-10_4 at 9:00
5							Shake test at 5 ft bgs FAILED
	100%	4.5	Petroleum-like	Moist	5-8	Gray brown fine to medium SAND, some silt [SP]	Sheen 5-8 ft bgs
6			odor				Sampled MW101-SB-10_6 at 9:10
		1.3					GW encountered at 6.5 ft bgs
7							
		0.2					
8							
		0.1			8-10	Red brown lean CLAY, some fine to coarse sand, trace angular to	Shake test at 8 ft bgs PASS
9						subangular gravel [CL]	
		0.0					
10							
	100%	0.0	None	Wet	10-12.3	Gray brown fine to medium SAND, some silt [SP]	
11							
		0.0					
12					12.3-13	Red brown lean CLAY, with fine to coarse sand [CL]	
		0.0					
13					13-13.6	Orange brown fine to medium SAND, some fine rounded to subrounded	
		0.1				gravel, trace fines [SP]	Shake test at 13.5 ft bgs PASS
14					13.6-15	Brown to red brown lean CLAY, with fine to medium sand [CL]	
		0.0					
15						END OF EXPLORATION	
16							
17							
18							
19							
20							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
3-Sep		9:10	6.5

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	15
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-10

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. MW101-SB-11

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	DRF + JM
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	9/2/2026
DRILLER	Mike Mede	**DATE FINISHED**	9/2/2026

Elevation	25.29 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6620DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	15	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	2			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	58%	N/A	Mild petroleum-like odor	Moist	0-5	Dark brown fine to medium SAND, trace fines [SP]	PID unavailable during this coring event
1							
2							
3							
4							Shake test at 4 ft bgs PASS
5	92%	N/A	Mild petroleum-like odor	Wet	5-7	Dark brown fine to medium SAND, trace fines [SP]	Sampled MW101-SB-11_5 at 13:25 GW ecountered at 5 ft bgs
6							
7					7-8	Dark brown fine to medium SAND, trace fines, black staining observed [SP]	Shake test at 7.5 ft bgs FAILED
8					8-8.7	Gray brown silty SAND, black staining observed [SM]	
9					8.7-10	Red white structured CLAY, trace medium angular gravel [CL]	
10	100%	N/A	Mild petroleum-like odor	Wet	10-11.75	Black fine to medium SAND, stained black [SP]	Sampled MW101-SB-11_10 at 13:30 Shake test at 10 ft bgs FAILED
11							V
12					11.75-12	Red brown gray mottled CLAY [CL]	Shake test at 12 ft bgs PASS
13					12-15	Red brown to light gray lean CLAY, with fine to coarse sand, some fine angular to subrounded gravel, 1-2 mm laminations [CL]	
14							
15						END OF EXPLORATION	
16							
17							
18							
19							
20							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
2-Sep	13:30		5

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	15
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-11

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. MW101-SB-12

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	DRF + JM
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	9/2/2026
DRILLER	Mike Mede	**DATE FINISHED**	9/2/2026

Elevation	25.26 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**		**Rig Make & Model**	Geoprobe 6620DT	**Surface Conditions**	**Drilling Notes**
Type	Steel	Acetate liner		**Completion Depth (ft.)**	**15**	**Drilling Method**	
Inside Diameter (in.)	1.75	1.68				Direct Push	Soil
Hammer Weight (lb.)				**Number of Samples**	**2**		
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	72%	0.0	None	Dry	0-1	Brown fine to medium SAND, some angular coarse gravel [SP]	
1		0.0		Moist	1-3	Brown fine to medium silty SAND [SM]	
2		0.0					
3					3-4	Concrete [FILL]	
		0.0					
4					4-5	Brown fine to medium silty SAND [SM]	
		0.0					Shake test at 5 ft bgs FAILED
5							Sampled MW101-SB-12_5 at 12:00
	78%	5.9	Strong	Moist	5-8.5	Gray bown red CLAY, trace fine to medium subangular gravel [CL]	
6			petroleum-like				
		1.1	odor				
7							
		2.9					
8			Mild		8.5-10	Light to dark brown silty SAND, trace fine to medium subangular	
		4.6	petroleum-like			gravel [SM]	
9			odor				Sampled MW101-SB-12_9 at 12:15
		0.4					Shake test at 9 ft bgs FAILED
		0.1					GW encountered at 9 ft bgs
10	100%	4.7	None	Wet	10-10.5	Brown silty lean CLAY [CL]	
11		113.8			10.5-15	Gray brown red lean CLAY [CL]	
12		22.5					
13		3.1					
14		670.2					
						END OF EXPLORATION	Shake test at 15 ft bgs PASS
15							
16							
17							
18							
19							
20							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
2-Sep		12:15	9

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	15
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-12

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. MW101-SB-13

Page 1 of 1

PROJECT	Former Port Mobil Terminal	**PROJECT #**	0213836-001-001-16
LOCATION	4101 Arthur Kill Road, Staten Island, NY	**PROJECT MGR.**	S. Commisso
CLIENT	NorthPoint Staten Island Industrial, LLC	**FIELD REP.**	DRF + JM + MRD
CONTRACTOR	Coastal Environmental Solutions, Inc.	**DATE STARTED**	9/2/2026
DRILLER	Mike Mede	**DATE FINISHED**	9/2/2026

Elevation	24.88 ft.	**Datum**	NAVD88	**Boring Location**			
Item	**Casing**	**Sampler**	**Rig Make & Model**	Geoprobe 6620DT	**Surface Conditions**	**Drilling Notes**	
Type	Steel	Acetate liner	**Completion Depth (ft.)**	**20**	**Drilling Method**	Soil	
Inside Diameter (in.)	1.75	1.68			Direct Push		
Hammer Weight (lb.)			**Number of Samples**	**2**			
Hammer Fall (in.)							

Depth (ft.)	Recovery %	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	43%	0.1	Strong petroleum-like odor	Moist	0-5	Black fine to medium SAND, trace metal [FILL]	Visible LNAPL throughout core
1							
2		12.7					
3		3.8					
4							Shake test at 4 ft bgs FAILED
5		5.1					Sampled MW101-SB-13_5 at 14:00
	36%	31.8	Strong petroleum-like odor	Moist	5-10	Black fine to medium SAND, with metal, trace subangular coarse gravel [FILL]	Visible LNAPL throughout core
6							
7		7.8					
8							
9		21.6					
10							Sampled MW101-SB-13_10 at 14:15
	100%	116.6	Strong petroleum-like odor	Wet	10-15	Black fine to medium SAND, with metal, trace subangular coarse gravel [FILL]	GW encountered 10 ft bgs Visible LNAPL throughout core
11		16.2					Shake test at 12 ft bgs FAILED
12		6.9					
13		3.9					
14		2.7					
15							Shake test at 15 ft bgs FAILED
	100%	2.2	Odor from residual	Wet	15-17.5	Yellow fine to coarse SAND, with silt, with fine to medium subrounded gravel [SM]	Visible LNAPL throughout core
16		15.3					
17		52.0			17.5-20	Red brown to light gray lean CLAY, with fine to coarse sand, some fine subangular gravel [CL]	
18		24.8					Shake test at 18 ft bgs PASS
19		2.0					
20						END OF EXPLORATION	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
2-Sep		14:15	10

Well Construction Information

Type	Depth	Notes

Summary

Overburden (Linear ft.)	20
Rock Cored (Linear ft.)	
Number of Samples	2

BORING NO. MW101-SB-13

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

ATTACHMENT 2
Analytical Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/27/2026 12:23:43 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-358008-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

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



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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Detection Summary 8
Client Sample Results 10
Surrogate Summary 26
Isotope Dilution Summary 28
QC Sample Results 30
QC Association Summary 47
Lab Chronicle 50
Certification Summary 53
Method Summary 54
Sample Summary 55
Chain of Custody 56
Receipt Checklists 59

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

LCMS

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

Metals

Qualifier	Qualifier Description
U	Indicates 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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Job Narrative
460-358008-1

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 8/20/2026 4:37 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 2.1°C.

Receipt Exceptions
Per laboratory policy, the Trip Blank date/time was added to reflect the date/time of the latest sampling event.

TB-01_20260820 (460-358008-7)

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The Trip Blank was checked for all tests, but only VOA vials were received.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples MW101-SB-02_6 (460-358008-1), MW101-SB-02_9.5 (460-358008-2), MW101-SB-03_6 (460-358008-3), MW101-SB-03_9.5 (460-358008-4), MW101-SB-01_5 (460-358008-5), MW101-SB-01_9.5 (460-358008-6) and TB-01_20260820 (460-358008-7) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 8/20/2026 and analyzed on 8/22/2026 and 8/24/2026.

Four surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: (460-357954-B-3 MS) and (460-357954-B-3 MSD). The results have been reported and qualified.

The following samples were diluted to bring the concentration of target analytes within the calibration range: MW101-SB-02_6 (460-358008-1), MW101-SB-01_5 (460-358008-5) and MW101-SB-01_9.5 (460-358008-6). Elevated reporting limits (RLs) are provided.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples MW101-SB-02_6 (460-358008-1), MW101-SB-02_9.5 (460-358008-2), MW101-SB-03_6 (460-358008-3), MW101-SB-03_9.5 (460-358008-4), MW101-SB-01_5 (460-358008-5) and MW101-SB-01_9.5 (460-358008-6) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 8/22/2026 and analyzed on 8/23/2026, 8/24/2026 and 8/25/2026.

Sample MW101-SB-01_5 (460-358008-5)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A
Samples MW101-SB-02_6 (460-358008-1), MW101-SB-02_9.5 (460-358008-2), MW101-SB-03_6 (460-358008-3), MW101-SB-03_9.5 (460-358008-4), MW101-SB-01_5 (460-358008-5) and MW101-SB-01_9.5 (460-358008-6) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A. The samples were prepared on 8/24/2026 and analyzed on 8/25/2026.

Due to non-standard matrix MW101-SB-01_5 (460-358008-5) was prepped at a reduced volume of 0.5 grams.

The recovery for the labeled isotope(s) d3-NMeFOSAA and d5-NEtFOSAA in the following sample: MW101-SB-02_6 (460-358008-1) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the

sample, the data is reported.

The recovery for the labeled isotope(s) 13C2 4:2 FTS in the following sample: MW101-SB-03_6 (460-358008-3) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

The recovery for the labeled isotope(s) d5-NEtFOSAA and 13C2 4:2 FTS in the following sample: MW101-SB-01_5 (460-358008-5) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

The recovery for the labeled isotope(s) d5-NEtFOSAA in the following sample: MW101-SB-01_9.5 (460-358008-6) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

The LCS/LLCS labeled isotope(s) d5-NEtFOSAA recovery associated with samples: MW101-SB-02_6 (460-358008-1), MW101-SB-02_9.5 (460-358008-2) and MW101-SB-03_6 (460-358008-3) is outside the QC acceptance limits. Since the recovery for target analytes is within the limits, the data is reported.

Method 6020B - Metals (ICP/MS)
Samples MW101-SB-02_6 (460-358008-1), MW101-SB-02_9.5 (460-358008-2), MW101-SB-03_6 (460-358008-3), MW101-SB-03_9.5 (460-358008-4), MW101-SB-01_5 (460-358008-5) and MW101-SB-01_9.5 (460-358008-6) were analyzed for Metals (ICP/MS). The samples were prepared on 8/22/2026 and analyzed on 8/24/2026.

Sample MW101-SB-01_5 (460-358008-5)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample was diluted due to the nature of the sample matrix: MW101-SB-01_5 (460-358008-5). Elevated reporting limits (RLs) are provided.

Method Moisture - Percent Moisture
Samples MW101-SB-02_6 (460-358008-1), MW101-SB-02_9.5 (460-358008-2), MW101-SB-03_6 (460-358008-3), MW101-SB-03_9.5 (460-358008-4), MW101-SB-01_5 (460-358008-5) and MW101-SB-01_9.5 (460-358008-6) were analyzed for Percent Moisture. The samples were analyzed on 8/21/2026.

Detection Summary

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

Job ID: 460-358008-1

Client Sample ID: MW101-SB-02_6 — Lab Sample ID: 460-358008-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.095		0.087	0.018	mg/Kg	50	☼	8260D	Total/NA
Toluene	0.038	J	0.087	0.022	mg/Kg	50	☼	8260D	Total/NA
Xylenes, Total	0.14	J	0.17	0.024	mg/Kg	50	☼	8260D	Total/NA
Total BTEX	0.27	J	0.52	0.024	mg/Kg	50	☼	8260D	Total/NA
Benzo[a]anthracene	0.44		0.039	0.0036	mg/Kg	1	☼	8270E	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.12	J	0.20	0.099	ug/Kg	1	☼	1633A	Total/NA
Perfluorooctanoic acid (PFOA)	0.19	J I	0.20	0.060	ug/Kg	1	☼	1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.79		0.20	0.099	ug/Kg	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.22		0.20	0.099	ug/Kg	1	☼	1633A	Total/NA
Lead	4.3		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-02_9.5 — Lab Sample ID: 460-358008-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.27		0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.15	J	0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Lead	2.9		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-03_6 — Lab Sample ID: 460-358008-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0012		0.0011	0.00060	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00071	J	0.0011	0.00049	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0010	J	0.0011	0.00025	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0063		0.0021	0.00045	mg/Kg	1	☼	8260D	Total/NA
Total BTEX	0.0092		0.0063	0.0012	mg/Kg	1	☼	8260D	Total/NA
Perfluorooctanoic acid (PFOA)	0.071	J I	0.19	0.058	ug/Kg	1	☼	1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.21		0.19	0.097	ug/Kg	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.59		0.19	0.097	ug/Kg	1	☼	1633A	Total/NA
Lead	5.8		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-03_9.5 — Lab Sample ID: 460-358008-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	10.8		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-01_5 — Lab Sample ID: 460-358008-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	9.8		0.11	0.022	mg/Kg	50	☼	8260D	Total/NA
Ethylbenzene	32		0.11	0.033	mg/Kg	50	☼	8260D	Total/NA
Toluene	0.58		0.11	0.027	mg/Kg	50	☼	8260D	Total/NA
Xylenes, Total	17		0.22	0.031	mg/Kg	50	☼	8260D	Total/NA
Total BTEX	60		0.66	0.031	mg/Kg	50	☼	8260D	Total/NA
Benzo[a]anthracene	1.2		0.038	0.0036	mg/Kg	1	☼	8270E	Total/NA
Naphthalene - DL	17		1.9	0.015	mg/Kg	5	☼	8270E	Total/NA
Lead	279		3.1	1.0	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: MW101-SB-01_9.5 — Lab Sample ID: 460-358008-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.13		0.11	0.022	mg/Kg	50	☼	8260D	Total/NA
Ethylbenzene	0.54		0.11	0.032	mg/Kg	50	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: MW101-SB-01_9.5 (Continued)
Lab Sample ID: 460-358008-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.30		0.22	0.030	mg/Kg	50	☼	8260D	Total/NA
Total BTEX	0.99		0.65	0.030	mg/Kg	50	☼	8260D	Total/NA
Benzo[a]anthracene	0.68		0.039	0.0037	mg/Kg	1	☼	8270E	Total/NA
Lead	4.7		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: TB-01_20260820
Lab Sample ID: 460-358008-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW101-SB-02_6
Date Collected: 08/20/26 09:00
Date Received: 08/20/26 16:37

Lab Sample ID: 460-358008-1
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.095**		0.087	0.018	mg/Kg	☼	08/20/26 22:18	08/24/26 15:59	50
Ethylbenzene	0.087	U	0.087	0.026	mg/Kg	☼	08/20/26 22:18	08/24/26 15:59	50
Methyl tert-butyl ether	0.087	U	0.087	0.019	mg/Kg	☼	08/20/26 22:18	08/24/26 15:59	50
Toluene	**0.038**	**J**	0.087	0.022	mg/Kg	☼	08/20/26 22:18	08/24/26 15:59	50
Xylenes, Total	**0.14**	**J**	0.17	0.024	mg/Kg	☼	08/20/26 22:18	08/24/26 15:59	50
Total BTEX	**0.27**	**J**	0.52	0.024	mg/Kg	☼	08/20/26 22:18	08/24/26 15:59	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*60 - 150*	*08/20/26 22:18*	*08/24/26 15:59*	*50*
4-Bromofluorobenzene	*111*		*70 - 150*	*08/20/26 22:18*	*08/24/26 15:59*	*50*
Dibromofluoromethane (Surr)	*101*		*68 - 150*	*08/20/26 22:18*	*08/24/26 15:59*	*50*
Toluene-d8 (Surr)	*100*		*64 - 157*	*08/20/26 22:18*	*08/24/26 15:59*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.44**		0.039	0.0036	mg/Kg	☼	08/22/26 14:30	08/24/26 01:19	1
Naphthalene	0.39	U	0.39	0.0031	mg/Kg	☼	08/22/26 14:30	08/24/26 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*14 - 104*	*08/22/26 14:30*	*08/24/26 01:19*	*1*
2-Fluorobiphenyl	*62*		*29 - 104*	*08/22/26 14:30*	*08/24/26 01:19*	*1*
2-Fluorophenol (Surr)	*56*		*22 - 99*	*08/22/26 14:30*	*08/24/26 01:19*	*1*
Nitrobenzene-d5 (Surr)	*60*		*26 - 97*	*08/22/26 14:30*	*08/24/26 01:19*	*1*
Phenol-d5 (Surr)	*56*		*25 - 95*	*08/22/26 14:30*	*08/24/26 01:19*	*1*
Terphenyl-d14 (Surr)	*58*		*29 - 104*	*08/22/26 14:30*	*08/24/26 01:19*	*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	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluoroheptanoic acid (PFHpA)	**0.12**	**J**	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorooctanoic acid (PFOA)	**0.19**	**J I**	0.20	0.060	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorononanoic acid (PFNA)	**0.79**		0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.060	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorooctanesulfonic acid (PFOS)	**0.22**		0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1

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

Job ID: 460-358008-1

Client Sample ID: MW101-SB-02_6
Date Collected: 08/20/26 09:00
Date Received: 08/20/26 16:37

Lab Sample ID: 460-358008-1
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 07:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.1*		*8 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C5 PFPeA	*76.5*		*35 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C5 PFHxA	*78.6*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C4 PFHpA	*82.5*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C8 PFOA	*96.0*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C9 PFNA	*103*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C6 PFDA	*100*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C7 PFUnA	*100*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C2 PFTeDA	*88.1*		*20 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C3 PFBS	*107*		*40 - 135*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C3 PFHxS	*96.9*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*
13C8 PFOS	*91.6*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:45*	*1*

Client Sample ID: MW101-SB-02_6

Lab Sample ID: 460-358008-1

Date Collected: 08/20/26 09:00
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 85.1

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	111		40 - 130	08/24/26 14:23	08/25/26 07:45	1
d3-NMeFOSAA	136	*	40 - 135	08/24/26 14:23	08/25/26 07:45	1
d5-NEtFOSAA	166	*	40 - 150	08/24/26 14:23	08/25/26 07:45	1
13C2 4:2 FTS	148		40 - 165	08/24/26 14:23	08/25/26 07:45	1
13C2 6:2 FTS	202		40 - 215	08/24/26 14:23	08/25/26 07:45	1
13C2 8:2 FTS	232		40 - 275	08/24/26 14:23	08/25/26 07:45	1
13C3 HFPO-DA	77.3		40 - 130	08/24/26 14:23	08/25/26 07:45	1
d7-N-MeFOSE-M	72.5		20 - 130	08/24/26 14:23	08/25/26 07:45	1
d9-N-EtFOSE-M	68.0		15 - 130	08/24/26 14:23	08/25/26 07:45	1
d5-NEtPFOSA	77.1		10 - 130	08/24/26 14:23	08/25/26 07:45	1
d3-NMePFOSA	80.2		10 - 130	08/24/26 14:23	08/25/26 07:45	1
13C2 PFDoA	105		40 - 130	08/24/26 14:23	08/25/26 07:45	1
13C3-3:3 FTCA	96.8		20 - 150	08/24/26 14:23	08/25/26 07:45	1
13C3-5:3 FTCA	97.8		20 - 150	08/24/26 14:23	08/25/26 07:45	1
13C3-PFDoS	73.9		20 - 150	08/24/26 14:23	08/25/26 07:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.3		0.61	0.20	mg/Kg	☼	08/22/26 14:39	08/24/26 01:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	14.9		1.0	1.0	%			08/21/26 19:41	1
Percent Solids (EPA Moisture)	85.1		1.0	1.0	%			08/21/26 19:41	1

Client Sample ID: MW101-SB-02_9.5

Lab Sample ID: 460-358008-2

Date Collected: 08/20/26 09:05
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00040	U	0.00040	0.00022	mg/Kg	☼	08/20/26 22:25	08/22/26 14:57	1
Ethylbenzene	0.00040	U	0.00040	0.00019	mg/Kg	☼	08/20/26 22:25	08/22/26 14:57	1
Methyl tert-butyl ether	0.00040	U	0.00040	0.00020	mg/Kg	☼	08/20/26 22:25	08/22/26 14:57	1
Toluene	0.00040	U	0.00040	0.000093	mg/Kg	☼	08/20/26 22:25	08/22/26 14:57	1
Xylenes, Total	0.00079	U	0.00079	0.00017	mg/Kg	☼	08/20/26 22:25	08/22/26 14:57	1
Total BTEX	0.0024	U	0.0024	0.00046	mg/Kg	☼	08/20/26 22:25	08/22/26 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		65 - 138	08/20/26 22:25	08/22/26 14:57	1
4-Bromofluorobenzene	80		71 - 128	08/20/26 22:25	08/22/26 14:57	1
Dibromofluoromethane (Surr)	102		65 - 139	08/20/26 22:25	08/22/26 14:57	1
Toluene-d8 (Surr)	93		71 - 126	08/20/26 22:25	08/22/26 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.039	U	0.039	0.0037	mg/Kg	☼	08/22/26 14:30	08/23/26 19:42	1
Naphthalene	0.39	U	0.39	0.0031	mg/Kg	☼	08/22/26 14:30	08/23/26 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	66		14 - 104	08/22/26 14:30	08/23/26 19:42	1

Client Sample ID: MW101-SB-02_9.5
Date Collected: 08/20/26 09:05
Date Received: 08/20/26 16:37

Lab Sample ID: 460-358008-2
Matrix: Solid
Percent Solids: 83.9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*72*		*29 - 104*	*08/22/26 14:30*	*08/23/26 19:42*	*1*
2-Fluorophenol (Surr)	*65*		*22 - 99*	*08/22/26 14:30*	*08/23/26 19:42*	*1*
Nitrobenzene-d5 (Surr)	*68*		*26 - 97*	*08/22/26 14:30*	*08/23/26 19:42*	*1*
Phenol-d5 (Surr)	*69*		*25 - 95*	*08/22/26 14:30*	*08/23/26 19:42*	*1*
Terphenyl-d14 (Surr)	*81*		*29 - 104*	*08/22/26 14:30*	*08/23/26 19:42*	*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	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.060	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.060	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorooctanesulfonic acid (PFOS)	**0.27**		0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluorooctanesulfonamide (PFOSA)	**0.15**	**J**	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.0	U	1.0	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.0	U	1.0	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1

Client Sample ID: MW101-SB-02_9.5
Lab Sample ID: 460-358008-2
Date Collected: 08/20/26 09:05
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.0	U	1.0	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.0	U	1.0	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 07:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.2*		*8 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C5 PFPeA	*98.6*		*35 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C5 PFHxA	*96.9*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C4 PFHpA	*99.4*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C8 PFOA	*91.8*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C9 PFNA	*103*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C6 PFDA	*100*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C7 PFUnA	*101*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C2 PFTeDA	*58.9*		*20 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C3 PFBS	*94.2*		*40 - 135*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C3 PFHxS	*92.8*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C8 PFOS	*96.3*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C8 FOSA	*95.0*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
d3-NMeFOSAA	*89.2*		*40 - 135*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
d5-NEtFOSAA	*147*		*40 - 150*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C2 4:2 FTS	*91.5*		*40 - 165*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C2 6:2 FTS	*95.7*		*40 - 215*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C2 8:2 FTS	*92.2*		*40 - 275*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C3 HFPO-DA	*101*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
d7-N-MeFOSE-M	*70.2*		*20 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
d9-N-EtFOSE-M	*66.0*		*15 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
d5-NEtPFOSA	*70.1*		*10 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
d3-NMePFOSA	*73.1*		*10 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C2 PFDoA	*99.4*		*40 - 130*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C3-3:3 FTCA	*111*		*20 - 150*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C3-5:3 FTCA	*90.7*		*20 - 150*	*08/24/26 14:23*	*08/25/26 07:59*	*1*
13C3-PFDoS	*54.2*		*20 - 150*	*08/24/26 14:23*	*08/25/26 07:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.9**		0.63	0.21	mg/Kg	☼	08/22/26 14:39	08/24/26 01:06	1

Client Sample ID: MW101-SB-02_9.5

Lab Sample ID: 460-358008-2
Date Collected: 08/20/26 09:05
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 83.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	16.1		1.0	1.0	%			08/21/26 19:57	1
Percent Solids (EPA Moisture)	83.9		1.0	1.0	%			08/21/26 19:57	1

Client Sample ID: MW101-SB-03_6

Lab Sample ID: 460-358008-3
Date Collected: 08/20/26 09:50
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0012		0.0011	0.00060	mg/Kg	☼	08/20/26 22:26	08/22/26 15:20	1
Ethylbenzene	0.00071	J	0.0011	0.00049	mg/Kg	☼	08/20/26 22:26	08/22/26 15:20	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00054	mg/Kg	☼	08/20/26 22:26	08/22/26 15:20	1
Toluene	0.0010	J	0.0011	0.00025	mg/Kg	☼	08/20/26 22:26	08/22/26 15:20	1
Xylenes, Total	0.0063		0.0021	0.00045	mg/Kg	☼	08/20/26 22:26	08/22/26 15:20	1
Total BTEX	0.0092		0.0063	0.0012	mg/Kg	☼	08/20/26 22:26	08/22/26 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*08/20/26 22:26*	*08/22/26 15:20*	*1*
4-Bromofluorobenzene	*81*		*71 - 128*	*08/20/26 22:26*	*08/22/26 15:20*	*1*
Dibromofluoromethane (Surr)	*95*		*65 - 139*	*08/20/26 22:26*	*08/22/26 15:20*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*08/20/26 22:26*	*08/22/26 15:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.039	U	0.039	0.0037	mg/Kg	☼	08/22/26 14:30	08/23/26 20:05	1
Naphthalene	0.39	U	0.39	0.0031	mg/Kg	☼	08/22/26 14:30	08/23/26 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*14 - 104*	*08/22/26 14:30*	*08/23/26 20:05*	*1*
2-Fluorobiphenyl	*67*		*29 - 104*	*08/22/26 14:30*	*08/23/26 20:05*	*1*
2-Fluorophenol (Surr)	*62*		*22 - 99*	*08/22/26 14:30*	*08/23/26 20:05*	*1*
Nitrobenzene-d5 (Surr)	*65*		*26 - 97*	*08/22/26 14:30*	*08/23/26 20:05*	*1*
Phenol-d5 (Surr)	*67*		*25 - 95*	*08/22/26 14:30*	*08/23/26 20:05*	*1*
Terphenyl-d14 (Surr)	*80*		*29 - 104*	*08/22/26 14:30*	*08/23/26 20:05*	*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	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluoropentanoic acid (PFPeA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorooctanoic acid (PFOA)	0.071	J I	0.19	0.058	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorononanoic acid (PFNA)	0.21		0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.058	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluoroundecanoic acid (PFUnA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorotridecanoic acid (PFTrDA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1

Client Sample ID: MW101-SB-03_6
Date Collected: 08/20/26 09:50
Date Received: 08/20/26 16:37

Lab Sample ID: 460-358008-3
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorooctanesulfonic acid (PFOS)	**0.59**		0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.97	U	0.97	0.48	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.97	U	0.97	0.48	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	0.19	0.097	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.19	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.97	U	0.97	0.48	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.97	U	0.97	0.48	ug/Kg	☼	08/24/26 14:23	08/25/26 08:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.8*		*8 - 130*	*08/24/26 14:23*	*08/25/26 08:13*	*1*
13C5 PFPeA	*79.7*		*35 - 130*	*08/24/26 14:23*	*08/25/26 08:13*	*1*
13C5 PFHxA	*80.3*		*40 - 130*	*08/24/26 14:23*	*08/25/26 08:13*	*1*
13C4 PFHpA	*84.0*		*40 - 130*	*08/24/26 14:23*	*08/25/26 08:13*	*1*

Client Sample ID: MW101-SB-03_6

Lab Sample ID: 460-358008-3

Date Collected: 08/20/26 09:50
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 84.1

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOA	90.6		40 - 130	08/24/26 14:23	08/25/26 08:13	1
13C9 PFNA	101		40 - 130	08/24/26 14:23	08/25/26 08:13	1
13C6 PFDA	105		40 - 130	08/24/26 14:23	08/25/26 08:13	1
13C7 PFUnA	102		40 - 130	08/24/26 14:23	08/25/26 08:13	1
13C2 PFTeDA	77.1		20 - 130	08/24/26 14:23	08/25/26 08:13	1
13C3 PFBS	90.8		40 - 135	08/24/26 14:23	08/25/26 08:13	1
13C3 PFHxS	92.7		40 - 130	08/24/26 14:23	08/25/26 08:13	1
13C8 PFOS	94.1		40 - 130	08/24/26 14:23	08/25/26 08:13	1
13C8 FOSA	103		40 - 130	08/24/26 14:23	08/25/26 08:13	1
d3-NMeFOSAA	107		40 - 135	08/24/26 14:23	08/25/26 08:13	1
d5-NEtFOSAA	149		40 - 150	08/24/26 14:23	08/25/26 08:13	1
13C2 4:2 FTS	174	*	40 - 165	08/24/26 14:23	08/25/26 08:13	1
13C2 6:2 FTS	200		40 - 215	08/24/26 14:23	08/25/26 08:13	1
13C2 8:2 FTS	169		40 - 275	08/24/26 14:23	08/25/26 08:13	1
13C3 HFPO-DA	83.8		40 - 130	08/24/26 14:23	08/25/26 08:13	1
d7-N-MeFOSE-M	66.5		20 - 130	08/24/26 14:23	08/25/26 08:13	1
d9-N-EtFOSE-M	59.5		15 - 130	08/24/26 14:23	08/25/26 08:13	1
d5-NEtPFOSA	71.4		10 - 130	08/24/26 14:23	08/25/26 08:13	1
d3-NMePFOSA	75.8		10 - 130	08/24/26 14:23	08/25/26 08:13	1
13C2 PFDoA	104		40 - 130	08/24/26 14:23	08/25/26 08:13	1
13C3-3:3 FTCA	99.7		20 - 150	08/24/26 14:23	08/25/26 08:13	1
13C3-5:3 FTCA	89.3		20 - 150	08/24/26 14:23	08/25/26 08:13	1
13C3-PFDoS	68.5		20 - 150	08/24/26 14:23	08/25/26 08:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.8		0.64	0.21	mg/Kg	☼	08/22/26 14:39	08/24/26 01:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	15.9		1.0	1.0	%			08/21/26 19:57	1
Percent Solids (EPA Moisture)	84.1		1.0	1.0	%			08/21/26 19:57	1

Client Sample ID: MW101-SB-03_9.5

Lab Sample ID: 460-358008-4

Date Collected: 08/20/26 09:58
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00070	U	0.00070	0.00040	mg/Kg	☼	08/20/26 22:27	08/22/26 15:43	1
Ethylbenzene	0.00070	U	0.00070	0.00033	mg/Kg	☼	08/20/26 22:27	08/22/26 15:43	1
Methyl tert-butyl ether	0.00070	U	0.00070	0.00036	mg/Kg	☼	08/20/26 22:27	08/22/26 15:43	1
Toluene	0.00070	U	0.00070	0.00016	mg/Kg	☼	08/20/26 22:27	08/22/26 15:43	1
Xylenes, Total	0.0014	U	0.0014	0.00030	mg/Kg	☼	08/20/26 22:27	08/22/26 15:43	1
Total BTEX	0.0042	U	0.0042	0.00081	mg/Kg	☼	08/20/26 22:27	08/22/26 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		65 - 138	08/20/26 22:27	08/22/26 15:43	1
4-Bromofluorobenzene	78		71 - 128	08/20/26 22:27	08/22/26 15:43	1
Dibromofluoromethane (Surr)	105		65 - 139	08/20/26 22:27	08/22/26 15:43	1
Toluene-d8 (Surr)	93		71 - 126	08/20/26 22:27	08/22/26 15:43	1

Client Sample ID: MW101-SB-03_9.5
Date Collected: 08/20/26 09:58
Date Received: 08/20/26 16:37

Lab Sample ID: 460-358008-4
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.037	U	0.037	0.0035	mg/Kg	☼	08/22/26 14:30	08/23/26 19:20	1
Naphthalene	0.37	U	0.37	0.0030	mg/Kg	☼	08/22/26 14:30	08/23/26 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*14 - 104*	*08/22/26 14:30*	*08/23/26 19:20*	*1*
2-Fluorobiphenyl	*69*		*29 - 104*	*08/22/26 14:30*	*08/23/26 19:20*	*1*
2-Fluorophenol (Surr)	*67*		*22 - 99*	*08/22/26 14:30*	*08/23/26 19:20*	*1*
Nitrobenzene-d5 (Surr)	*67*		*26 - 97*	*08/22/26 14:30*	*08/23/26 19:20*	*1*
Phenol-d5 (Surr)	*69*		*25 - 95*	*08/22/26 14:30*	*08/23/26 19:20*	*1*
Terphenyl-d14 (Surr)	*81*		*29 - 104*	*08/22/26 14:30*	*08/23/26 19:20*	*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	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.060	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.060	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.0	U	1.0	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1

Client: Haley & Aldrich Inc
Job ID: 460-358008-1
Project/Site: Former Port Mobil

Client Sample ID: MW101-SB-03_9.5
Lab Sample ID: 460-358008-4
Date Collected: 08/20/26 09:58
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.0	U	1.0	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.0	U	1.0	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.0	U	1.0	0.50	ug/Kg	☼	08/24/26 14:23	08/25/26 09:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.9*		*8 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C5 PFPeA	*88.4*		*35 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C5 PFHxA	*87.6*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C4 PFHpA	*92.2*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C8 PFOA	*89.6*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C9 PFNA	*105*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C6 PFDA	*96.7*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C7 PFUnA	*94.0*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C2 PFTeDA	*58.5*		*20 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C3 PFBS	*87.4*		*40 - 135*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C3 PFHxS	*89.1*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C8 PFOS	*83.2*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C8 FOSA	*89.4*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
d3-NMeFOSAA	*80.2*		*40 - 135*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
d5-NEtFOSAA	*132*		*40 - 150*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C2 4:2 FTS	*82.6*		*40 - 165*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C2 6:2 FTS	*88.8*		*40 - 215*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C2 8:2 FTS	*81.1*		*40 - 275*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C3 HFPO-DA	*93.1*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
d7-N-MeFOSE-M	*55.5*		*20 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
d9-N-EtFOSE-M	*47.3*		*15 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
d5-NEtPFOSA	*63.1*		*10 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
d3-NMePFOSA	*71.0*		*10 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C2 PFDoA	*89.6*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C3-3:3 FTCA	*87.4*		*20 - 150*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C3-5:3 FTCA	*78.4*		*20 - 150*	*08/24/26 14:23*	*08/25/26 09:20*	*1*
13C3-PFDoS	*53.3*		*20 - 150*	*08/24/26 14:23*	*08/25/26 09:20*	*1*

Client Sample ID: MW101-SB-03_9.5

Lab Sample ID: 460-358008-4

Date Collected: 08/20/26 09:58
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10.8		0.59	0.20	mg/Kg	☼	08/22/26 14:39	08/24/26 01:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.2		1.0	1.0	%			08/21/26 19:57	1
Percent Solids (EPA Moisture)	88.8		1.0	1.0	%			08/21/26 19:57	1

Client Sample ID: MW101-SB-01_5

Lab Sample ID: 460-358008-5

Date Collected: 08/20/26 11:30
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.8		0.11	0.022	mg/Kg	☼	08/20/26 22:20	08/24/26 16:23	50
Ethylbenzene	32		0.11	0.033	mg/Kg	☼	08/20/26 22:20	08/24/26 16:23	50
Methyl tert-butyl ether	0.11	U	0.11	0.023	mg/Kg	☼	08/20/26 22:20	08/24/26 16:23	50
Toluene	0.58		0.11	0.027	mg/Kg	☼	08/20/26 22:20	08/24/26 16:23	50
Xylenes, Total	17		0.22	0.031	mg/Kg	☼	08/20/26 22:20	08/24/26 16:23	50
Total BTEX	60		0.66	0.031	mg/Kg	☼	08/20/26 22:20	08/24/26 16:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*60 - 150*	*08/20/26 22:20*	*08/24/26 16:23*	*50*
4-Bromofluorobenzene	*113*		*70 - 150*	*08/20/26 22:20*	*08/24/26 16:23*	*50*
Dibromofluoromethane (Surr)	*97*		*68 - 150*	*08/20/26 22:20*	*08/24/26 16:23*	*50*
Toluene-d8 (Surr)	*106*		*64 - 157*	*08/20/26 22:20*	*08/24/26 16:23*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.2		0.038	0.0036	mg/Kg	☼	08/22/26 14:30	08/24/26 02:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*14 - 104*	*08/22/26 14:30*	*08/24/26 02:04*	*1*
2-Fluorobiphenyl	*55*		*29 - 104*	*08/22/26 14:30*	*08/24/26 02:04*	*1*
2-Fluorophenol (Surr)	*48*		*22 - 99*	*08/22/26 14:30*	*08/24/26 02:04*	*1*
Nitrobenzene-d5 (Surr)	*62*		*26 - 97*	*08/22/26 14:30*	*08/24/26 02:04*	*1*
Phenol-d5 (Surr)	*49*		*25 - 95*	*08/22/26 14:30*	*08/24/26 02:04*	*1*
Terphenyl-d14 (Surr)	*55*		*29 - 104*	*08/22/26 14:30*	*08/24/26 02:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	17		1.9	0.015	mg/Kg	☼	08/22/26 14:30	08/25/26 15:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*38*		*14 - 104*	*08/22/26 14:30*	*08/25/26 15:06*	*5*
2-Fluorobiphenyl	*42*		*29 - 104*	*08/22/26 14:30*	*08/25/26 15:06*	*5*
2-Fluorophenol (Surr)	*30*		*22 - 99*	*08/22/26 14:30*	*08/25/26 15:06*	*5*
Nitrobenzene-d5 (Surr)	*41*		*26 - 97*	*08/22/26 14:30*	*08/25/26 15:06*	*5*
Phenol-d5 (Surr)	*42*		*25 - 95*	*08/22/26 14:30*	*08/25/26 15:06*	*5*
Terphenyl-d14 (Surr)	*41*		*29 - 104*	*08/22/26 14:30*	*08/25/26 15:06*	*5*

Client: Haley & Aldrich Inc
Job ID: 460-358008-1
Project/Site: Former Port Mobil

Client Sample ID: MW101-SB-01_5
Lab Sample ID: 460-358008-5
Date Collected: 08/20/26 11:30
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 86.1

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)	1.63	U	1.63	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluoropentanoic acid (PFPeA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorohexanoic acid (PFHxA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluoroheptanoic acid (PFHpA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorooctanoic acid (PFOA)	0.82	U	0.82	0.24	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorononanoic acid (PFNA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorodecanoic acid (PFDA)	0.82	U	0.82	0.24	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluoroundecanoic acid (PFUnA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorododecanoic acid (PFDoA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorotridecanoic acid (PFTrDA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorotetradecanoic acid (PFTeDA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorobutanesulfonic acid (PFBS)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluoropentanesulfonic acid (PFPeS)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorohexanesulfonic acid (PFHxS)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluoroheptanesulfonic acid (PFHpS)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorooctanesulfonic acid (PFOS)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorononanesulfonic acid (PFNS)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorodecanesulfonic acid (PFDS)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorododecanesulfonic acid (PFDoS)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.63	U	1.63	0.82	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.63	U	1.63	0.82	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.63	U	1.63	0.82	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluorooctanesulfonamide (PFOSA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	4.08	U	4.08	2.04	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	4.08	U	4.08	2.04	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1

Client Sample ID: MW101-SB-01_5
Date Collected: 08/20/26 11:30
Date Received: 08/20/26 16:37

Lab Sample ID: 460-358008-5
Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.82	U	0.82	0.41	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.63	U	1.63	0.82	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.08	U	4.08	2.04	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.08	U	4.08	2.04	ug/Kg	☼	08/24/26 14:23	08/25/26 09:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.6*		*8 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C5 PFPeA	*81.6*		*35 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C5 PFHxA	*84.0*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C4 PFHpA	*86.6*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C8 PFOA	*99.1*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C9 PFNA	*117*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C6 PFDA	*110*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C7 PFUnA	*115*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C2 PFTeDA	*83.1*		*20 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C3 PFBS	*110*		*40 - 135*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C3 PFHxS	*107*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C8 PFOS	*99.5*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C8 FOSA	*116*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
d3-NMeFOSAA	*127*		*40 - 135*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
d5-NEtFOSAA	*161*	*	*40 - 150*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C2 4:2 FTS	*184*	*	*40 - 165*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C2 6:2 FTS	*204*		*40 - 215*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C2 8:2 FTS	*225*		*40 - 275*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C3 HFPO-DA	*82.2*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
d7-N-MeFOSE-M	*62.4*		*20 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
d9-N-EtFOSE-M	*57.0*		*15 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
d5-NEtPFOSA	*70.9*		*10 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
d3-NMePFOSA	*80.5*		*10 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C2 PFDoA	*111*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C3-3:3 FTCA	*98.9*		*20 - 150*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C3-5:3 FTCA	*106*		*20 - 150*	*08/24/26 14:23*	*08/25/26 09:34*	*1*
13C3-PFDoS	*73.7*		*20 - 150*	*08/24/26 14:23*	*08/25/26 09:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	279		3.1	1.0	mg/Kg	☼	08/22/26 14:39	08/24/26 01:14	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.9		1.0	1.0	%			08/21/26 19:57	1
Percent Solids (EPA Moisture)	86.1		1.0	1.0	%			08/21/26 19:57	1

Client Sample ID: MW101-SB-01_9.5

Date Collected: 08/20/26 11:40
Date Received: 08/20/26 16:37

Lab Sample ID: 460-358008-6

Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.13**		0.11	0.022	mg/Kg	☼	08/20/26 22:20	08/24/26 16:47	50
Ethylbenzene	**0.54**		0.11	0.032	mg/Kg	☼	08/20/26 22:20	08/24/26 16:47	50
Methyl tert-butyl ether	0.11	U	0.11	0.023	mg/Kg	☼	08/20/26 22:20	08/24/26 16:47	50
Toluene	0.11	U	0.11	0.027	mg/Kg	☼	08/20/26 22:20	08/24/26 16:47	50
Xylenes, Total	**0.30**		0.22	0.030	mg/Kg	☼	08/20/26 22:20	08/24/26 16:47	50
Total BTEX	**0.99**		0.65	0.030	mg/Kg	☼	08/20/26 22:20	08/24/26 16:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 150*	*08/20/26 22:20*	*08/24/26 16:47*	*50*
4-Bromofluorobenzene	*115*		*70 - 150*	*08/20/26 22:20*	*08/24/26 16:47*	*50*
Dibromofluoromethane (Surr)	*105*		*68 - 150*	*08/20/26 22:20*	*08/24/26 16:47*	*50*
Toluene-d8 (Surr)	*97*		*64 - 157*	*08/20/26 22:20*	*08/24/26 16:47*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.68**		0.039	0.0037	mg/Kg	☼	08/22/26 14:30	08/24/26 01:41	1
Naphthalene	0.39	U	0.39	0.0032	mg/Kg	☼	08/22/26 14:30	08/24/26 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*14 - 104*	*08/22/26 14:30*	*08/24/26 01:41*	*1*
2-Fluorobiphenyl	*61*		*29 - 104*	*08/22/26 14:30*	*08/24/26 01:41*	*1*
2-Fluorophenol (Surr)	*58*		*22 - 99*	*08/22/26 14:30*	*08/24/26 01:41*	*1*
Nitrobenzene-d5 (Surr)	*61*		*26 - 97*	*08/22/26 14:30*	*08/24/26 01:41*	*1*
Phenol-d5 (Surr)	*59*		*25 - 95*	*08/22/26 14:30*	*08/24/26 01:41*	*1*
Terphenyl-d14 (Surr)	*58*		*29 - 104*	*08/22/26 14:30*	*08/24/26 01:41*	*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	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.059	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1

Client: Haley & Aldrich Inc
Job ID: 460-358008-1
Project/Site: Former Port Mobil

Client Sample ID: MW101-SB-01_9.5
Lab Sample ID: 460-358008-6
Date Collected: 08/20/26 11:40
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.49	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.49	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.099	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.49	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.49	ug/Kg	☼	08/24/26 14:23	08/25/26 09:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.7*		*8 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C5 PFPeA	*75.8*		*35 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C5 PFHxA	*78.2*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C4 PFHpA	*80.0*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C8 PFOA	*92.7*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C9 PFNA	*107*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C6 PFDA	*106*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C7 PFUnA	*104*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C2 PFTeDA	*74.2*		*20 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C3 PFBS	*93.8*		*40 - 135*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C3 PFHxS	*98.9*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C8 PFOS	*92.7*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*

Client Sample ID: MW101-SB-01_9.5

Lab Sample ID: 460-358008-6

Date Collected: 08/20/26 11:40
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 83.5

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*108*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
d3-NMeFOSAA	*99.9*		*40 - 135*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
d5-NEtFOSAA	*165*	*	*40 - 150*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C2 4:2 FTS	*123*		*40 - 165*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C2 6:2 FTS	*141*		*40 - 215*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C2 8:2 FTS	*145*		*40 - 275*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C3 HFPO-DA	*80.5*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
d7-N-MeFOSE-M	*72.4*		*20 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
d9-N-EtFOSE-M	*69.5*		*15 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
d5-NEtPFOSA	*77.0*		*10 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
d3-NMePFOSA	*83.5*		*10 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C2 PFDoA	*101*		*40 - 130*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C3-3:3 FTCA	*84.9*		*20 - 150*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C3-5:3 FTCA	*79.1*		*20 - 150*	*08/24/26 14:23*	*08/25/26 09:48*	*1*
13C3-PFDoS	*63.6*		*20 - 150*	*08/24/26 14:23*	*08/25/26 09:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.7**		0.63	0.21	mg/Kg	☼	08/22/26 14:39	08/24/26 01:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**16.5**		1.0	1.0	%			08/21/26 19:57	1
Percent Solids (EPA Moisture)	**83.5**		1.0	1.0	%			08/21/26 19:57	1

Client Sample ID: TB-01_20260820

Lab Sample ID: 460-358008-7

Date Collected: 08/20/26 11:40
Matrix: Water
Date Received: 08/20/26 16:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.45	U	0.45	0.070	ug/L			08/22/26 10:58	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/22/26 10:58	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/22/26 10:58	1
Toluene	1.0	U	1.0	0.38	ug/L			08/22/26 10:58	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			08/22/26 10:58	1
Total BTEX	0.45	U	0.45	0.30	ug/L			08/22/26 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 128*		*08/22/26 10:58*	*1*
4-Bromofluorobenzene	*91*		*76 - 120*		*08/22/26 10:58*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 132*		*08/22/26 10:58*	*1*
Toluene-d8 (Surr)	*98*		*81 - 121*		*08/22/26 10:58*	*1*

Surrogate Summary

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

Job ID: 460-358008-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(60-150)	(70-150)	(68-150)	(64-157)
460-358008-1	MW101-SB-02_6	92	111	101	100
460-358008-5	MW101-SB-01_5	119	113	97	106
460-358008-6	MW101-SB-01_9.5	102	115	105	97
LCS 460-1127595/3	Lab Control Sample	80	95	90	83
LCSD 460-1127595/5	Lab Control Sample Dup	87	98	96	85
MB 460-1127595/9	Method Blank	80	92	89	82

Surrogate Legend

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

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(65-139)	(71-126)
460-358008-2	MW101-SB-02_9.5	99	80	102	93
460-358008-3	MW101-SB-03_6	91	81	95	90
460-358008-4	MW101-SB-03_9.5	103	78	105	93
LCS 460-1127404/3	Lab Control Sample	92	87	101	98
LCSD 460-1127404/4	Lab Control Sample Dup	90	86	101	91
MB 460-1127404/8	Method Blank	97	82	112	96

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(81-121)
460-357954-B-3 MS	Matrix Spike	117	99	109	141 *
460-357954-B-3 MSD	Matrix Spike Duplicate	109	101	110	133 *
460-358008-7	TB-01_20260820	96	91	106	98
LCS 460-1127418/5	Lab Control Sample	111	96	111	108
LCSD 460-1127418/6	Lab Control Sample Dup	110	100	112	111
MB 460-1127418/10	Method Blank	114	98	116	111

Surrogate Legend

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

Surrogate Summary

Client: Haley & Aldrich Inc
Job ID: 460-358008-1
Project/Site: Former Port Mobil

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL	TPHL		
Lab Sample ID	Client Sample ID	(14-104)	(29-104)	(22-99)	(26-97)	(25-95)	(29-104)		
460-357988-A-4-A MS	Matrix Spike	67	72	64	67	68	72		
460-357988-A-4-B MSD	Matrix Spike Duplicate	66	69	62	64	65	69		
460-358008-1	MW101-SB-02_6	61	62	56	60	56	58		
460-358008-2	MW101-SB-02_9.5	66	72	65	68	69	81		
460-358008-3	MW101-SB-03_6	63	67	62	65	67	80		
460-358008-4	MW101-SB-03_9.5	63	69	67	67	69	81		
460-358008-5	MW101-SB-01_5	54	55	48	62	49	55		
460-358008-5 - DL	MW101-SB-01_5	38	42	30	41	42	41		
460-358008-6	MW101-SB-01_9.5	60	61	58	61	59	58		
LCS 460-1127500/2-A	Lab Control Sample	76	77	69	75	77	80		
LCSD 460-1127500/3-A	Lab Control Sample Dup	81	79	71	77	78	84		
MB 460-1127500/1-A	Method Blank	78	81	73	78	79	89		

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)

Isotope Dilution Summary

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

Job ID: 460-358008-1

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)
460-358008-1	MW101-SB-02_6	90.1	76.5	78.6	82.5	96.0	103	100	100
460-358008-2	MW101-SB-02_9.5	93.2	98.6	96.9	99.4	91.8	103	100	101
460-358008-3	MW101-SB-03_6	94.8	79.7	80.3	84.0	90.6	101	105	102
460-358008-3 MS	MW101-SB-03_6	93.2	82.2	83.2	84.9	95.7	101	105	102
460-358008-3 MSD	MW101-SB-03_6	90.6	81.8	82.2	85.0	87.4	94.6	89.9	80.1
460-358008-4	MW101-SB-03_9.5	92.9	88.4	87.6	92.2	89.6	105	96.7	94.0
460-358008-5	MW101-SB-01_5	93.6	81.6	84.0	86.6	99.1	117	110	115
460-358008-6	MW101-SB-01_9.5	89.7	75.8	78.2	80.0	92.7	107	106	104
LCS 410-873632/2-A	Lab Control Sample	98.7	101	99.1	106	99.8	111	106	108
LLCS 410-873632/3-A	Lab Control Sample	103	108	106	110	97.1	110	107	107
MB 410-873632/1-A	Method Blank	90.6	94.8	93.0	96.6	84.3	95.3	89.7	89.6

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)
460-358008-1	MW101-SB-02_6	88.1	107	96.9	91.6	111	136 *	166 *	148
460-358008-2	MW101-SB-02_9.5	58.9	94.2	92.8	96.3	95.0	89.2	147	91.5
460-358008-3	MW101-SB-03_6	77.1	90.8	92.7	94.1	103	107	149	174 *
460-358008-3 MS	MW101-SB-03_6	75.3	96.5	94.5	100	109	111	153 *	159
460-358008-3 MSD	MW101-SB-03_6	54.9	91.8	84.4	68.6	98.4	98.7	144	170 *
460-358008-4	MW101-SB-03_9.5	58.5	87.4	89.1	83.2	89.4	80.2	132	82.6
460-358008-5	MW101-SB-01_5	83.1	110	107	99.5	116	127	161 *	184 *
460-358008-6	MW101-SB-01_9.5	74.2	93.8	98.9	92.7	108	99.9	165 *	123
LCS 410-873632/2-A	Lab Control Sample	77.9	101	101	102	95.4	90.6	158 *	98.7
LLCS 410-873632/3-A	Lab Control Sample	76.4	106	106	98.5	92.0	86.4	167 *	100
MB 410-873632/1-A	Method Blank	55.2	89.5	84.7	78.4	78.7	73.5	151 *	87.3

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)	PFDoA (40-130)
460-358008-1	MW101-SB-02_6	202	232	77.3	72.5	68.0	77.1	80.2	105
460-358008-2	MW101-SB-02_9.5	95.7	92.2	101	70.2	66.0	70.1	73.1	99.4
460-358008-3	MW101-SB-03_6	200	169	83.8	66.5	59.5	71.4	75.8	104
460-358008-3 MS	MW101-SB-03_6	175	155	87.6	70.8	69.3	74.8	81.0	104
460-358008-3 MSD	MW101-SB-03_6	178	146	82.7	38.7	34.9	58.6	64.2	71.5
460-358008-4	MW101-SB-03_9.5	88.8	81.1	93.1	55.5	47.3	63.1	71.0	89.6
460-358008-5	MW101-SB-01_5	204	225	82.2	62.4	57.0	70.9	80.5	111
460-358008-6	MW101-SB-01_9.5	141	145	80.5	72.4	69.5	77.0	83.5	101
LCS 410-873632/2-A	Lab Control Sample	106	98.5	104	64.9	55.2	65.5	73.2	106
LLCS 410-873632/3-A	Lab Control Sample	106	95.0	110	58.7	54.9	66.2	70.5	104
MB 410-873632/1-A	Method Blank	94.6	82.4	96.9	47.6	39.7	54.5	59.4	83.7

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C3-3:3 FTCA (20-150)	C3-5:3 FTCA (20-150)	PFDoS (20-150)
460-358008-1	MW101-SB-02_6	96.8	97.8	73.9
460-358008-2	MW101-SB-02_9.5	111	90.7	54.2
460-358008-3	MW101-SB-03_6	99.7	89.3	68.5
460-358008-3 MS	MW101-SB-03_6	95.4	85.5	73.3
460-358008-3 MSD	MW101-SB-03_6	92.7	87.1	47.2
460-358008-4	MW101-SB-03_9.5	87.4	78.4	53.3
460-358008-5	MW101-SB-01_5	98.9	106	73.7

Isotope Dilution Summary

Client: Haley & Aldrich Inc
Job ID: 460-358008-1
Project/Site: Former Port Mobil

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

Matrix: Solid
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)								
		C3-3:3 FTCA	C3-5:3 FTCA	PFDoS						
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)						
460-358008-6	MW101-SB-01_9.5	84.9	79.1	63.6						
LCS 410-873632/2-A	Lab Control Sample	108	93.1	70.5						
LLCS 410-873632/3-A	Lab Control Sample	120	92.1	63.6						
MB 410-873632/1-A	Method Blank	108	84.5	46.9						

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
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
C3-3:3 FTCA = 13C3-3:3 FTCA
C3-5:3 FTCA = 13C3-5:3 FTCA
PFDoS = 13C3-PFDoS

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

Lab Sample ID: MB 460-1127404/8
Matrix: Solid
Analysis Batch: 1127404

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			08/22/26 08:00	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			08/22/26 08:00	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			08/22/26 08:00	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			08/22/26 08:00	1
Xylenes, Total	0.0020	U	0.0020	0.00042	mg/Kg			08/22/26 08:00	1
Total BTEX	0.0060	U	0.0060	0.0012	mg/Kg			08/22/26 08:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*		*08/22/26 08:00*	*1*
4-Bromofluorobenzene	*82*		*71 - 128*		*08/22/26 08:00*	*1*
Dibromofluoromethane (Surr)	*112*		*65 - 139*		*08/22/26 08:00*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*08/22/26 08:00*	*1*

Lab Sample ID: LCS 460-1127404/3
Matrix: Solid
Analysis Batch: 1127404

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,4-Trimethylbenzene			0.0200	0.0216		mg/Kg		108	75 - 120		
1,3,5-Trimethylbenzene			0.0200	0.0213		mg/Kg		107	70 - 120		
Benzene			0.0200	0.0210		mg/Kg		105	75 - 120		
Ethylbenzene			0.0200	0.0220		mg/Kg		110	80 - 120		
Methyl tert-butyl ether			0.0200	0.0206		mg/Kg		103	74 - 125		
Toluene			0.0200	0.0217		mg/Kg		109	80 - 120		
Xylenes, Total			0.0400	0.0445		mg/Kg		111	80 - 120		
Total BTEX			0.100	0.109		mg/Kg		109	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*
4-Bromofluorobenzene	*87*		*71 - 128*
Dibromofluoromethane (Surr)	*101*		*65 - 139*
Toluene-d8 (Surr)	*98*		*71 - 126*

Lab Sample ID: LCSD 460-1127404/4
Matrix: Solid
Analysis Batch: 1127404

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
1,2,4-Trimethylbenzene			0.0200	0.0197		mg/Kg		98	75 - 120	9	30
1,3,5-Trimethylbenzene			0.0200	0.0195		mg/Kg		98	70 - 120	9	30
Benzene			0.0200	0.0182		mg/Kg		91	75 - 120	14	30
Ethylbenzene			0.0200	0.0209		mg/Kg		104	80 - 120	5	30
Methyl tert-butyl ether			0.0200	0.0192		mg/Kg		96	74 - 125	7	30
Toluene			0.0200	0.0190		mg/Kg		95	80 - 120	13	30
Xylenes, Total			0.0400	0.0420		mg/Kg		105	80 - 120	6	30
Total BTEX			0.100	0.100		mg/Kg		100	80 - 120	9	30

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

Lab Sample ID: LCSD 460-1127404/4
Matrix: Solid
Analysis Batch: 1127404

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		65 - 138
4-Bromofluorobenzene	86		71 - 128
Dibromofluoromethane (Surr)	101		65 - 139
Toluene-d8 (Surr)	91		71 - 126

Lab Sample ID: MB 460-1127418/10
Matrix: Water
Analysis Batch: 1127418

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.45	U	0.45	0.070	ug/L			08/22/26 10:37	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/22/26 10:37	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/22/26 10:37	1
Toluene	1.0	U	1.0	0.38	ug/L			08/22/26 10:37	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			08/22/26 10:37	1
Total BTEX	0.45	U	0.45	0.30	ug/L			08/22/26 10:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		70 - 128		08/22/26 10:37	1
4-Bromofluorobenzene	98		76 - 120		08/22/26 10:37	1
Dibromofluoromethane (Surr)	116		77 - 132		08/22/26 10:37	1
Toluene-d8 (Surr)	111		81 - 121		08/22/26 10:37	1

Lab Sample ID: LCS 460-1127418/5
Matrix: Water
Analysis Batch: 1127418

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	20.6		ug/L		103	71 - 126
Ethylbenzene	20.0	17.9		ug/L		89	78 - 120
Methyl tert-butyl ether	20.0	24.7		ug/L		123	72 - 131
Toluene	20.0	18.4		ug/L		92	78 - 120
Xylenes, Total	40.0	35.3		ug/L		88	80 - 120
Total BTEX	100	92.2		ug/L		92	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 128
4-Bromofluorobenzene	96		76 - 120
Dibromofluoromethane (Surr)	111		77 - 132
Toluene-d8 (Surr)	108		81 - 121

Lab Sample ID: LCSD 460-1127418/6
Matrix: Water
Analysis Batch: 1127418

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
Benzene	20.0	21.5		ug/L		108	71 - 126	5	30
Ethylbenzene	20.0	19.1		ug/L		96	78 - 120	7	30

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

Lab Sample ID: LCSD 460-1127418/6
Matrix: Water
Analysis Batch: 1127418

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
Methyl tert-butyl ether			20.0	26.0		ug/L		130	72 - 131	5	30
Toluene			20.0	19.2		ug/L		96	78 - 120	4	30
Xylenes, Total			40.0	36.3		ug/L		91	80 - 120	3	30
Total BTEX			100	96.1		ug/L		96	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 128*
4-Bromofluorobenzene	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*112*		*77 - 132*
Toluene-d8 (Surr)	*111*		*81 - 121*

Lab Sample ID: 460-357954-B-3 MS
Matrix: Water
Analysis Batch: 1127418

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.29	J	20.0	30.2	*	ug/L		149	71 - 126		
Ethylbenzene	1.0	U	20.0	19.4		ug/L		97	78 - 120		
Methyl tert-butyl ether	19		20.0	39.7		ug/L		106	72 - 131		
Toluene	0.48	J	20.0	26.3	*	ug/L		129	78 - 120		
Xylenes, Total	2.0	U	40.0	37.0		ug/L		93	80 - 120		
Total BTEX	1.3		100	113		ug/L		112	80 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*117*		*70 - 128*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*109*		*77 - 132*
Toluene-d8 (Surr)	*141*	*	*81 - 121*

Lab Sample ID: 460-357954-B-3 MSD
Matrix: Water
Analysis Batch: 1127418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.29	J	20.0	29.4	*	ug/L		146	71 - 126	3	30
Ethylbenzene	1.0	U	20.0	20.4		ug/L		102	78 - 120	5	30
Methyl tert-butyl ether	19		20.0	45.6	*	ug/L		135	72 - 131	14	30
Toluene	0.48	J	20.0	26.4	*	ug/L		129	78 - 120	0	30
Xylenes, Total	2.0	U	40.0	38.5		ug/L		96	80 - 120	4	30
Total BTEX	1.3		100	115		ug/L		113	80 - 120	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 128*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*110*		*77 - 132*
Toluene-d8 (Surr)	*133*	*	*81 - 121*

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

Lab Sample ID: MB 460-1127595/9
Matrix: Solid
Analysis Batch: 1127595

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.050	U	0.050	0.010	mg/Kg			08/24/26 08:40	50
Ethylbenzene	0.050	U	0.050	0.015	mg/Kg			08/24/26 08:40	50
Methyl tert-butyl ether	0.050	U	0.050	0.011	mg/Kg			08/24/26 08:40	50
Toluene	0.050	U	0.050	0.013	mg/Kg			08/24/26 08:40	50
Xylenes, Total	0.10	U	0.10	0.014	mg/Kg			08/24/26 08:40	50
Total BTEX	0.30	U	0.30	0.014	mg/Kg			08/24/26 08:40	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*60 - 150*		*08/24/26 08:40*	*50*
4-Bromofluorobenzene	*92*		*70 - 150*		*08/24/26 08:40*	*50*
Dibromofluoromethane (Surr)	*89*		*68 - 150*		*08/24/26 08:40*	*50*
Toluene-d8 (Surr)	*82*		*64 - 157*		*08/24/26 08:40*	*50*

Lab Sample ID: LCS 460-1127595/3
Matrix: Solid
Analysis Batch: 1127595

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	1.00	0.918		mg/Kg		92	75 - 120
1,3,5-Trimethylbenzene	1.00	0.913		mg/Kg		91	71 - 120
Benzene	1.00	0.935		mg/Kg		94	75 - 120
Ethylbenzene	1.00	0.996		mg/Kg		100	80 - 121
Methyl tert-butyl ether	1.00	0.939		mg/Kg		94	77 - 125
Toluene	1.00	0.972		mg/Kg		97	80 - 120
Xylenes, Total	2.00	1.99		mg/Kg		100	80 - 120
Total BTEX	5.00	4.89		mg/Kg		98	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*80*		*60 - 150*
4-Bromofluorobenzene	*95*		*70 - 150*
Dibromofluoromethane (Surr)	*90*		*68 - 150*
Toluene-d8 (Surr)	*83*		*64 - 157*

Lab Sample ID: LCSD 460-1127595/5
Matrix: Solid
Analysis Batch: 1127595

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
1,2,4-Trimethylbenzene	1.00	1.00		mg/Kg		100	75 - 120	9	30
1,3,5-Trimethylbenzene	1.00	0.977		mg/Kg		98	71 - 120	7	30
Benzene	1.00	0.937		mg/Kg		94	75 - 120	0	30
Ethylbenzene	1.00	1.05		mg/Kg		105	80 - 121	5	30
Methyl tert-butyl ether	1.00	1.03		mg/Kg		103	77 - 125	9	30
Toluene	1.00	0.988		mg/Kg		99	80 - 120	2	30
Xylenes, Total	2.00	2.01		mg/Kg		101	80 - 120	1	30
Total BTEX	5.00	4.98		mg/Kg		100	80 - 120	2	30

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

Lab Sample ID: LCSD 460-1127595/5
Matrix: Solid
Analysis Batch: 1127595

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*60 - 150*
4-Bromofluorobenzene	*98*		*70 - 150*
Dibromofluoromethane (Surr)	*96*		*68 - 150*
Toluene-d8 (Surr)	*85*		*64 - 157*

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

Lab Sample ID: MB 460-1127500/1-A
Matrix: Solid
Analysis Batch: 1127581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1127500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.033	U	0.033	0.0031	mg/Kg		08/22/26 14:30	08/23/26 18:57	1
Naphthalene	0.33	U	0.33	0.0026	mg/Kg		08/22/26 14:30	08/23/26 18:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*14 - 104*	*08/22/26 14:30*	*08/23/26 18:57*	*1*
2-Fluorobiphenyl	*81*		*29 - 104*	*08/22/26 14:30*	*08/23/26 18:57*	*1*
2-Fluorophenol (Surr)	*73*		*22 - 99*	*08/22/26 14:30*	*08/23/26 18:57*	*1*
Nitrobenzene-d5 (Surr)	*78*		*26 - 97*	*08/22/26 14:30*	*08/23/26 18:57*	*1*
Phenol-d5 (Surr)	*79*		*25 - 95*	*08/22/26 14:30*	*08/23/26 18:57*	*1*
Terphenyl-d14 (Surr)	*89*		*29 - 104*	*08/22/26 14:30*	*08/23/26 18:57*	*1*

Lab Sample ID: LCS 460-1127500/2-A
Matrix: Solid
Analysis Batch: 1127581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1127500

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene			3.33	2.88		mg/Kg		86	66 - 120		
Naphthalene			3.33	2.70		mg/Kg		81	63 - 113		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*14 - 104*
2-Fluorobiphenyl	*77*		*29 - 104*
2-Fluorophenol (Surr)	*69*		*22 - 99*
Nitrobenzene-d5 (Surr)	*75*		*26 - 97*
Phenol-d5 (Surr)	*77*		*25 - 95*
Terphenyl-d14 (Surr)	*80*		*29 - 104*

Lab Sample ID: LCSD 460-1127500/3-A
Matrix: Solid
Analysis Batch: 1127581

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1127500

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene			3.33	2.96		mg/Kg		89	66 - 120	3	30
Naphthalene			3.33	2.70		mg/Kg		81	63 - 113	0	30

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

Lab Sample ID: LCSD 460-1127500/3-A
Matrix: Solid
Analysis Batch: 1127581

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1127500

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*14 - 104*
2-Fluorobiphenyl	*79*		*29 - 104*
2-Fluorophenol (Surr)	*71*		*22 - 99*
Nitrobenzene-d5 (Surr)	*77*		*26 - 97*
Phenol-d5 (Surr)	*78*		*25 - 95*
Terphenyl-d14 (Surr)	*84*		*29 - 104*

Lab Sample ID: 460-357988-A-4-A MS
Matrix: Solid
Analysis Batch: 1127581

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1127500

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	0.015	J	3.32	2.84		mg/Kg		85	66 - 120
Naphthalene	0.33	U	3.32	2.57		mg/Kg		77	63 - 113

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*67*		*14 - 104*
2-Fluorobiphenyl	*72*		*29 - 104*
2-Fluorophenol (Surr)	*64*		*22 - 99*
Nitrobenzene-d5 (Surr)	*67*		*26 - 97*
Phenol-d5 (Surr)	*68*		*25 - 95*
Terphenyl-d14 (Surr)	*72*		*29 - 104*

Lab Sample ID: 460-357988-A-4-B MSD
Matrix: Solid
Analysis Batch: 1127581

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1127500

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene	0.015	J	3.32	2.76		mg/Kg		82	66 - 120	3	30
Naphthalene	0.33	U	3.32	2.40		mg/Kg		72	63 - 113	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*14 - 104*
2-Fluorobiphenyl	*69*		*29 - 104*
2-Fluorophenol (Surr)	*62*		*22 - 99*
Nitrobenzene-d5 (Surr)	*64*		*26 - 97*
Phenol-d5 (Surr)	*65*		*25 - 95*
Terphenyl-d14 (Surr)	*69*		*29 - 104*

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

Lab Sample ID: MB 410-873632/1-A
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 873632

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		08/24/26 14:23	08/25/26 05:57	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1

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

Lab Sample ID: MB 410-873632/1-A
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 873632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.060	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.060	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.00	U	1.00	0.50	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.00	U	1.00	0.50	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1

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

Lab Sample ID: MB 410-873632/1-A
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 873632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.00	U	1.00	0.50	ug/Kg		08/24/26 14:23	08/25/26 05:57	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.00	U	1.00	0.50	ug/Kg		08/24/26 14:23	08/25/26 05:57	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.6*		*8 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C5 PFPeA	*94.8*		*35 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C5 PFHxA	*93.0*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C4 PFHpA	*96.6*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C8 PFOA	*84.3*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C9 PFNA	*95.3*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C6 PFDA	*89.7*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C7 PFUnA	*89.6*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C2 PFTeDA	*55.2*		*20 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C3 PFBS	*89.5*		*40 - 135*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C3 PFHxS	*84.7*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C8 PFOS	*78.4*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C8 FOSA	*78.7*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
d3-NMeFOSAA	*73.5*		*40 - 135*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
d5-NEtFOSAA	*151*	*	*40 - 150*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C2 4:2 FTS	*87.3*		*40 - 165*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C2 6:2 FTS	*94.6*		*40 - 215*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C2 8:2 FTS	*82.4*		*40 - 275*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C3 HFPO-DA	*96.9*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
d7-N-MeFOSE-M	*47.6*		*20 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
d9-N-EtFOSE-M	*39.7*		*15 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
d5-NEtPFOSA	*54.5*		*10 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
d3-NMePFOSA	*59.4*		*10 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C2 PFDoA	*83.7*		*40 - 130*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C3-3:3 FTCA	*108*		*20 - 150*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C3-5:3 FTCA	*84.5*		*20 - 150*	*08/24/26 14:23*	*08/25/26 05:57*	*1*
13C3-PFDoS	*46.9*		*20 - 150*	*08/24/26 14:23*	*08/25/26 05:57*	*1*

Lab Sample ID: LCS 410-873632/2-A
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 873632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	4.874		ug/Kg		97	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.481		ug/Kg		99	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.475		ug/Kg		99	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.241		ug/Kg		90	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.070		ug/Kg		83	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.366		ug/Kg		95	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.175		ug/Kg		87	70 - 155

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

Lab Sample ID: LCS 410-873632/2-A
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 873632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.50	2.204		ug/Kg		88	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.142		ug/Kg		86	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.342		ug/Kg		94	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.308		ug/Kg		92	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.100		ug/Kg		95	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.156		ug/Kg		92	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.102		ug/Kg		92	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.394		ug/Kg		100	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.297		ug/Kg		99	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	2.202		ug/Kg		92	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.41	2.021		ug/Kg		84	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.202		ug/Kg		91	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.431		ug/Kg		94	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.469		ug/Kg		94	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.561		ug/Kg		95	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.399		ug/Kg		96	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.422		ug/Kg		97	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.513		ug/Kg		101	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.398		ug/Kg		96	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.078		ug/Kg		83	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	11.72		ug/Kg		94	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	12.43		ug/Kg		99	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	1.822		ug/Kg		97	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.301		ug/Kg		97	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.472		ug/Kg		99	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.381		ug/Kg		95	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.418		ug/Kg		97	60 - 155

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

Lab Sample ID: LCS 410-873632/2-A
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 873632

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			2.34	2.192		ug/Kg		94	70 - 150		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			2.36	1.981		ug/Kg		84	45 - 160		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			2.23	2.159		ug/Kg		97	70 - 140		
3-Perfluoropropylpropanoic acid (3:3 FTCA)			5.00	4.538		ug/Kg		91	45 - 130		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			12.5	11.17		ug/Kg		89	60 - 130		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			12.5	9.486		ug/Kg		76	60 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*98.7*		*8 - 130*
13C5 PFPeA	*101*		*35 - 130*
13C5 PFHxA	*99.1*		*40 - 130*
13C4 PFHpA	*106*		*40 - 130*
13C8 PFOA	*99.8*		*40 - 130*
13C9 PFNA	*111*		*40 - 130*
13C6 PFDA	*106*		*40 - 130*
13C7 PFUnA	*108*		*40 - 130*
13C2 PFTeDA	*77.9*		*20 - 130*
13C3 PFBS	*101*		*40 - 135*
13C3 PFHxS	*101*		*40 - 130*
13C8 PFOS	*102*		*40 - 130*
13C8 FOSA	*95.4*		*40 - 130*
d3-NMeFOSAA	*90.6*		*40 - 135*
d5-NEtFOSAA	*158*	*	*40 - 150*
13C2 4:2 FTS	*98.7*		*40 - 165*
13C2 6:2 FTS	*106*		*40 - 215*
13C2 8:2 FTS	*98.5*		*40 - 275*
13C3 HFPO-DA	*104*		*40 - 130*
d7-N-MeFOSE-M	*64.9*		*20 - 130*
d9-N-EtFOSE-M	*55.2*		*15 - 130*
d5-NEtPFOSA	*65.5*		*10 - 130*
d3-NMePFOSA	*73.2*		*10 - 130*
13C2 PFDoA	*106*		*40 - 130*
13C3-3:3 FTCA	*108*		*20 - 150*
13C3-5:3 FTCA	*93.1*		*20 - 150*
13C3-PFDoS	*70.5*		*20 - 150*

Lab Sample ID: LLCS 410-873632/3-A
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 873632

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA)			0.500	0.465		ug/Kg		93	70 - 140		
Perfluoropentanoic acid (PFPeA)			0.250	0.264		ug/Kg		105	60 - 150		

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

Lab Sample ID: LLCS 410-873632/3-A
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 873632

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)	0.250	0.238		ug/Kg		95	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.227		ug/Kg		91	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.242		ug/Kg		97	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.253		ug/Kg		101	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.229		ug/Kg		91	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.238		ug/Kg		95	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.226		ug/Kg		90	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.237		ug/Kg		95	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.230		ug/Kg		92	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.218		ug/Kg		98	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.212		ug/Kg		90	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.244		ug/Kg		107	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.252		ug/Kg		106	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.239		ug/Kg		103	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.223		ug/Kg		93	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.201		ug/Kg		83	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.228		ug/Kg		94	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.456		ug/Kg		97	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.512		ug/Kg		108	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.467		ug/Kg		97	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.248		ug/Kg		99	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.241		ug/Kg		96	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.244		ug/Kg		98	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.284		ug/Kg		114	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.248		ug/Kg		99	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.210		ug/Kg		97	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.244		ug/Kg		100	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.196	J	ug/Kg		105	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.219		ug/Kg		93	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.255		ug/Kg		102	30 - 140

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

Lab Sample ID: LLCS 410-873632/3-A
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 873632

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoro-4-methoxybutanoic acid (PFMBA)			0.250	0.241		ug/Kg		97	60 - 150		
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)			0.250	0.250		ug/Kg		100	60 - 155		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			0.234	0.223		ug/Kg		96	70 - 150		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			0.236	0.183	J	ug/Kg		78	45 - 160		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			0.223	0.235		ug/Kg		106	70 - 140		
3-Perfluoropropylpropanoic acid (3:3 FTCA)			0.500	0.541		ug/Kg		108	45 - 130		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			1.25	1.339		ug/Kg		107	60 - 130		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			1.25	1.218		ug/Kg		97	60 - 150		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*103*		*8 - 130*
13C5 PFPeA	*108*		*35 - 130*
13C5 PFHxA	*106*		*40 - 130*
13C4 PFHpA	*110*		*40 - 130*
13C8 PFOA	*97.1*		*40 - 130*
13C9 PFNA	*110*		*40 - 130*
13C6 PFDA	*107*		*40 - 130*
13C7 PFUnA	*107*		*40 - 130*
13C2 PFTeDA	*76.4*		*20 - 130*
13C3 PFBS	*106*		*40 - 135*
13C3 PFHxS	*106*		*40 - 130*
13C8 PFOS	*98.5*		*40 - 130*
13C8 FOSA	*92.0*		*40 - 130*
d3-NMeFOSAA	*86.4*		*40 - 135*
d5-NEtFOSAA	*167*	*	*40 - 150*
13C2 4:2 FTS	*100*		*40 - 165*
13C2 6:2 FTS	*106*		*40 - 215*
13C2 8:2 FTS	*95.0*		*40 - 275*
13C3 HFPO-DA	*110*		*40 - 130*
d7-N-MeFOSE-M	*58.7*		*20 - 130*
d9-N-EtFOSE-M	*54.9*		*15 - 130*
d5-NEtPFOSA	*66.2*		*10 - 130*
d3-NMePFOSA	*70.5*		*10 - 130*
13C2 PFDoA	*104*		*40 - 130*
13C3-3:3 FTCA	*120*		*20 - 150*
13C3-5:3 FTCA	*92.1*		*20 - 150*
13C3-PFDoS	*63.6*		*20 - 150*

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

Lab Sample ID: 460-358008-3 MS
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: MW101-SB-03_6
Prep Type: Total/NA
Prep Batch: 873632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.39	U	4.91	4.795		ug/Kg	☼	98	70 - 140
Perfluoropentanoic acid (PFPeA)	0.19	U	2.46	2.413		ug/Kg	☼	98	60 - 150
Perfluorohexanoic acid (PFHxA)	0.19	U	2.46	2.721		ug/Kg	☼	111	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.19	U	2.46	2.475		ug/Kg	☼	101	65 - 145
Perfluorooctanoic acid (PFOA)	0.071	J I	2.46	2.606		ug/Kg	☼	103	70 - 150
Perfluorononanoic acid (PFNA)	0.21		2.46	2.518		ug/Kg	☼	94	70 - 155
Perfluorodecanoic acid (PFDA)	0.19	U	2.46	2.513		ug/Kg	☼	102	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.19	U	2.46	2.686		ug/Kg	☼	109	70 - 155
Perfluorododecanoic acid (PFDoA)	0.19	U	2.46	2.484		ug/Kg	☼	101	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.19	U	2.46	2.582		ug/Kg	☼	105	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	2.46	2.474		ug/Kg	☼	101	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.19	U	2.18	2.024		ug/Kg	☼	93	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	2.31	2.122		ug/Kg	☼	92	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	2.24	2.130		ug/Kg	☼	95	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	2.34	2.257		ug/Kg	☼	96	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.59		2.28	2.136		ug/Kg	☼	68	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.19	U	2.36	2.124		ug/Kg	☼	90	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.19	U	2.37	1.932		ug/Kg	☼	82	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	2.38	2.219		ug/Kg	☼	93	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	4.61	4.326		ug/Kg	☼	94	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	4.67	4.366		ug/Kg	☼	93	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	4.71	4.295		ug/Kg	☼	91	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.19	U	2.46	2.377		ug/Kg	☼	97	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	2.46	2.343		ug/Kg	☼	95	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	2.46	2.483		ug/Kg	☼	101	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	2.46	2.455		ug/Kg	☼	100	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	2.46	2.194		ug/Kg	☼	89	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.97	U	12.3	11.87		ug/Kg	☼	97	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.97	U	12.3	11.46		ug/Kg	☼	93	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	1.84	1.789		ug/Kg	☼	97	70 - 145

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

Lab Sample ID: 460-358008-3 MS
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: MW101-SB-03_6
Prep Type: Total/NA
Prep Batch: 873632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	2.32	2.079		ug/Kg	☼	90	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	2.46	2.460		ug/Kg	☼	100	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	2.46	2.385		ug/Kg	☼	97	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	2.46	2.513		ug/Kg	☼	102	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	2.29	2.084		ug/Kg	☼	91	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	2.32	2.027		ug/Kg	☼	87	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	2.19	2.049		ug/Kg	☼	94	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	4.91	4.418		ug/Kg	☼	90	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.97	U	12.3	11.43		ug/Kg	☼	93	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.97	U	12.3	12.67		ug/Kg	☼	103	60 - 150

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*93.2*		*8 - 130*
13C5 PFPeA	*82.2*		*35 - 130*
13C5 PFHxA	*83.2*		*40 - 130*
13C4 PFHpA	*84.9*		*40 - 130*
13C8 PFOA	*95.7*		*40 - 130*
13C9 PFNA	*101*		*40 - 130*
13C6 PFDA	*105*		*40 - 130*
13C7 PFUnA	*102*		*40 - 130*
13C2 PFTeDA	*75.3*		*20 - 130*
13C3 PFBS	*96.5*		*40 - 135*
13C3 PFHxS	*94.5*		*40 - 130*
13C8 PFOS	*100*		*40 - 130*
13C8 FOSA	*109*		*40 - 130*
d3-NMeFOSAA	*111*		*40 - 135*
d5-NEtFOSAA	*153*	*	*40 - 150*
13C2 4:2 FTS	*159*		*40 - 165*
13C2 6:2 FTS	*175*		*40 - 215*
13C2 8:2 FTS	*155*		*40 - 275*
13C3 HFPO-DA	*87.6*		*40 - 130*
d7-N-MeFOSE-M	*70.8*		*20 - 130*
d9-N-EtFOSE-M	*69.3*		*15 - 130*
d5-NEtPFOSA	*74.8*		*10 - 130*
d3-NMePFOSA	*81.0*		*10 - 130*
13C2 PFDoA	*104*		*40 - 130*
13C3-3:3 FTCA	*95.4*		*20 - 150*
13C3-5:3 FTCA	*85.5*		*20 - 150*
13C3-PFDoS	*73.3*		*20 - 150*

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

Lab Sample ID: 460-358008-3 MSD
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: MW101-SB-03_6
Prep Type: Total/NA
Prep Batch: 873632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.39	U	4.97	4.909		ug/Kg	☼	99	70 - 140	2	30
Perfluoropentanoic acid (PFPeA)	0.19	U	2.49	2.490		ug/Kg	☼	100	60 - 150	3	30
Perfluorohexanoic acid (PFHxA)	0.19	U	2.49	2.575		ug/Kg	☼	104	65 - 140	6	30
Perfluoroheptanoic acid (PFHpA)	0.19	U	2.49	2.634		ug/Kg	☼	106	65 - 145	6	30
Perfluorooctanoic acid (PFOA)	0.071	J I	2.49	2.585		ug/Kg	☼	101	70 - 150	1	30
Perfluorononanoic acid (PFNA)	0.21		2.49	2.588		ug/Kg	☼	96	70 - 155	3	30
Perfluorodecanoic acid (PFDA)	0.19	U	2.49	2.708		ug/Kg	☼	109	70 - 155	7	30
Perfluoroundecanoic acid (PFUnA)	0.19	U	2.49	2.618		ug/Kg	☼	105	70 - 155	3	30
Perfluorododecanoic acid (PFDoA)	0.19	U	2.49	2.533		ug/Kg	☼	102	70 - 150	2	30
Perfluorotridecanoic acid (PFTrDA)	0.19	U	2.49	2.654		ug/Kg	☼	107	65 - 150	3	30
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	2.49	2.530		ug/Kg	☼	102	65 - 150	2	30
Perfluorobutanesulfonic acid (PFBS)	0.19	U	2.21	2.106		ug/Kg	☼	95	65 - 145	4	30
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	2.34	2.292		ug/Kg	☼	98	55 - 160	8	30
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	2.27	2.033		ug/Kg	☼	90	60 - 150	5	30
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	2.37	2.656		ug/Kg	☼	112	65 - 155	16	30
Perfluorooctanesulfonic acid (PFOS)	0.59		2.31	2.355		ug/Kg	☼	76	65 - 160	10	30
Perfluorononanesulfonic acid (PFNS)	0.19	U	2.39	2.033		ug/Kg	☼	85	55 - 140	4	30
Perfluorodecanesulfonic acid (PFDS)	0.19	U	2.40	1.796		ug/Kg	☼	75	40 - 155	7	30
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	2.41	2.311		ug/Kg	☼	96	25 - 160	4	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	4.66	4.388		ug/Kg	☼	94	60 - 150	1	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	4.73	4.488		ug/Kg	☼	95	55 - 200	3	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	4.77	4.431		ug/Kg	☼	93	70 - 150	3	30
Perfluorooctanesulfonamide (PFOSA)	0.19	U	2.49	2.400		ug/Kg	☼	97	70 - 140	1	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	2.49	2.529		ug/Kg	☼	102	70 - 155	8	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	2.49	2.581		ug/Kg	☼	104	70 - 140	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	2.49	2.447		ug/Kg	☼	98	65 - 155	0	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	2.49	2.228		ug/Kg	☼	90	65 - 165	2	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.97	U	12.4	12.80		ug/Kg	☼	103	70 - 140	8	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.97	U	12.4	12.37		ug/Kg	☼	100	70 - 135	8	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	1.86	1.844		ug/Kg	☼	99	70 - 145	3	30

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

Lab Sample ID: 460-358008-3 MSD
Matrix: Solid
Analysis Batch: 873929

Client Sample ID: MW101-SB-03_6
Prep Type: Total/NA
Prep Batch: 873632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	2.35	2.179		ug/Kg	☼	93	70 - 160	5	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	2.49	2.464		ug/Kg	☼	99	30 - 140	0	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	2.49	2.498		ug/Kg	☼	100	60 - 150	5	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	2.49	2.524		ug/Kg	☼	102	60 - 155	0	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	2.32	2.118		ug/Kg	☼	91	70 - 150	2	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	2.35	1.837		ug/Kg	☼	78	45 - 160	10	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	2.22	2.050		ug/Kg	☼	92	70 - 140	0	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	4.97	4.624		ug/Kg	☼	93	45 - 130	5	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.97	U	12.4	11.97		ug/Kg	☼	96	60 - 130	5	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.97	U	12.4	11.99		ug/Kg	☼	96	60 - 150	6	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*90.6*		*8 - 130*
13C5 PFPeA	*81.8*		*35 - 130*
13C5 PFHxA	*82.2*		*40 - 130*
13C4 PFHpA	*85.0*		*40 - 130*
13C8 PFOA	*87.4*		*40 - 130*
13C9 PFNA	*94.6*		*40 - 130*
13C6 PFDA	*89.9*		*40 - 130*
13C7 PFUnA	*80.1*		*40 - 130*
13C2 PFTeDA	*54.9*		*20 - 130*
13C3 PFBS	*91.8*		*40 - 135*
13C3 PFHxS	*84.4*		*40 - 130*
13C8 PFOS	*68.6*		*40 - 130*
13C8 FOSA	*98.4*		*40 - 130*
d3-NMeFOSAA	*98.7*		*40 - 135*
d5-NEtFOSAA	*144*		*40 - 150*
13C2 4:2 FTS	*170*	*	*40 - 165*
13C2 6:2 FTS	*178*		*40 - 215*
13C2 8:2 FTS	*146*		*40 - 275*
13C3 HFPO-DA	*82.7*		*40 - 130*
d7-N-MeFOSE-M	*38.7*		*20 - 130*
d9-N-EtFOSE-M	*34.9*		*15 - 130*
d5-NEtPFOSA	*58.6*		*10 - 130*
d3-NMePFOSA	*64.2*		*10 - 130*
13C2 PFDoA	*71.5*		*40 - 130*
13C3-3:3 FTCA	*92.7*		*20 - 150*
13C3-5:3 FTCA	*87.1*		*20 - 150*
13C3-PFDoS	*47.2*		*20 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1127502/1-A
Matrix: Solid
Analysis Batch: 1127582

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1127502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.60	U	0.60	0.20	mg/Kg		08/22/26 14:39	08/24/26 00:00	1

Lab Sample ID: LCSSRM 460-1127502/2-A
Matrix: Solid
Analysis Batch: 1127582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1127502

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Lead	198	176.1		mg/Kg		88.9	82.8 - 117.2

Lab Sample ID: 460-357655-E-1-F MS
Matrix: Solid
Analysis Batch: 1127582

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1127502

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	13.8		5.20	18.32		mg/Kg	☼	88	75 - 125

Lab Sample ID: 460-357655-E-1-E DU
Matrix: Solid
Analysis Batch: 1127582

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1127502

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	13.8		14.24		mg/Kg	☼	3	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-358008-2 DU
Matrix: Solid
Analysis Batch: 1127312

Client Sample ID: MW101-SB-02_9.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16.1		16.5		%		2	20
Percent Solids	83.9		83.5		%		0.4	20

GC/MS VOA

Prep Batch: 1127137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-1	MW101-SB-02_6	Total/NA	Solid	5035	
460-358008-5	MW101-SB-01_5	Total/NA	Solid	5035	
460-358008-6	MW101-SB-01_9.5	Total/NA	Solid	5035	

Prep Batch: 1127138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-2	MW101-SB-02_9.5	Total/NA	Solid	5035	
460-358008-3	MW101-SB-03_6	Total/NA	Solid	5035	
460-358008-4	MW101-SB-03_9.5	Total/NA	Solid	5035	

Analysis Batch: 1127404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-2	MW101-SB-02_9.5	Total/NA	Solid	8260D	1127138
460-358008-3	MW101-SB-03_6	Total/NA	Solid	8260D	1127138
460-358008-4	MW101-SB-03_9.5	Total/NA	Solid	8260D	1127138
MB 460-1127404/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1127404/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1127404/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1127418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-7	TB-01_20260820	Total/NA	Water	8260D	
MB 460-1127418/10	Method Blank	Total/NA	Water	8260D	
LCS 460-1127418/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1127418/6	Lab Control Sample Dup	Total/NA	Water	8260D	
460-357954-B-3 MS	Matrix Spike	Total/NA	Water	8260D	
460-357954-B-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 1127595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-1	MW101-SB-02_6	Total/NA	Solid	8260D	1127137
460-358008-5	MW101-SB-01_5	Total/NA	Solid	8260D	1127137
460-358008-6	MW101-SB-01_9.5	Total/NA	Solid	8260D	1127137
MB 460-1127595/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-1127595/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1127595/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 1127500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-1	MW101-SB-02_6	Total/NA	Solid	3546	
460-358008-2	MW101-SB-02_9.5	Total/NA	Solid	3546	
460-358008-3	MW101-SB-03_6	Total/NA	Solid	3546	
460-358008-4	MW101-SB-03_9.5	Total/NA	Solid	3546	
460-358008-5	MW101-SB-01_5	Total/NA	Solid	3546	
460-358008-5 - DL	MW101-SB-01_5	Total/NA	Solid	3546	
460-358008-6	MW101-SB-01_9.5	Total/NA	Solid	3546	
MB 460-1127500/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1127500/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1127500/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 1127500 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-357988-A-4-A MS	Matrix Spike	Total/NA	Solid	3546	
460-357988-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1127581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-1	MW101-SB-02_6	Total/NA	Solid	8270E	1127500
460-358008-2	MW101-SB-02_9.5	Total/NA	Solid	8270E	1127500
460-358008-3	MW101-SB-03_6	Total/NA	Solid	8270E	1127500
460-358008-4	MW101-SB-03_9.5	Total/NA	Solid	8270E	1127500
460-358008-5	MW101-SB-01_5	Total/NA	Solid	8270E	1127500
460-358008-6	MW101-SB-01_9.5	Total/NA	Solid	8270E	1127500
MB 460-1127500/1-A	Method Blank	Total/NA	Solid	8270E	1127500
LCS 460-1127500/2-A	Lab Control Sample	Total/NA	Solid	8270E	1127500
LCSD 460-1127500/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1127500
460-357988-A-4-A MS	Matrix Spike	Total/NA	Solid	8270E	1127500
460-357988-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1127500

Analysis Batch: 1127823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-5 - DL	MW101-SB-01_5	Total/NA	Solid	8270E	1127500

LCMS

Prep Batch: 873632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-1	MW101-SB-02_6	Total/NA	Solid	1633A	
460-358008-2	MW101-SB-02_9.5	Total/NA	Solid	1633A	
460-358008-3	MW101-SB-03_6	Total/NA	Solid	1633A	
460-358008-4	MW101-SB-03_9.5	Total/NA	Solid	1633A	
460-358008-5	MW101-SB-01_5	Total/NA	Solid	1633A	
460-358008-6	MW101-SB-01_9.5	Total/NA	Solid	1633A	
MB 410-873632/1-A	Method Blank	Total/NA	Solid	1633A	
LCS 410-873632/2-A	Lab Control Sample	Total/NA	Solid	1633A	
LLCS 410-873632/3-A	Lab Control Sample	Total/NA	Solid	1633A	
460-358008-3 MS	MW101-SB-03_6	Total/NA	Solid	1633A	
460-358008-3 MSD	MW101-SB-03_6	Total/NA	Solid	1633A	

Analysis Batch: 873929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-1	MW101-SB-02_6	Total/NA	Solid	1633A	873632
460-358008-2	MW101-SB-02_9.5	Total/NA	Solid	1633A	873632
460-358008-3	MW101-SB-03_6	Total/NA	Solid	1633A	873632
460-358008-4	MW101-SB-03_9.5	Total/NA	Solid	1633A	873632
460-358008-5	MW101-SB-01_5	Total/NA	Solid	1633A	873632
460-358008-6	MW101-SB-01_9.5	Total/NA	Solid	1633A	873632
MB 410-873632/1-A	Method Blank	Total/NA	Solid	1633A	873632
LCS 410-873632/2-A	Lab Control Sample	Total/NA	Solid	1633A	873632
LLCS 410-873632/3-A	Lab Control Sample	Total/NA	Solid	1633A	873632
460-358008-3 MS	MW101-SB-03_6	Total/NA	Solid	1633A	873632
460-358008-3 MSD	MW101-SB-03_6	Total/NA	Solid	1633A	873632

Metals

Prep Batch: 1127502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-1	MW101-SB-02_6	Total/NA	Solid	3050B	
460-358008-2	MW101-SB-02_9.5	Total/NA	Solid	3050B	
460-358008-3	MW101-SB-03_6	Total/NA	Solid	3050B	
460-358008-4	MW101-SB-03_9.5	Total/NA	Solid	3050B	
460-358008-5	MW101-SB-01_5	Total/NA	Solid	3050B	
460-358008-6	MW101-SB-01_9.5	Total/NA	Solid	3050B	
MB 460-1127502/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1127502/2-A	Lab Control Sample	Total/NA	Solid	3050B	
460-357655-E-1-F MS	Matrix Spike	Total/NA	Solid	3050B	
460-357655-E-1-E DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 1127582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-1	MW101-SB-02_6	Total/NA	Solid	6020B	1127502
460-358008-2	MW101-SB-02_9.5	Total/NA	Solid	6020B	1127502
460-358008-3	MW101-SB-03_6	Total/NA	Solid	6020B	1127502
460-358008-4	MW101-SB-03_9.5	Total/NA	Solid	6020B	1127502
460-358008-5	MW101-SB-01_5	Total/NA	Solid	6020B	1127502
460-358008-6	MW101-SB-01_9.5	Total/NA	Solid	6020B	1127502
MB 460-1127502/1-A	Method Blank	Total/NA	Solid	6020B	1127502
LCSSRM 460-1127502/2-A	Lab Control Sample	Total/NA	Solid	6020B	1127502
460-357655-E-1-F MS	Matrix Spike	Total/NA	Solid	6020B	1127502
460-357655-E-1-E DU	Duplicate	Total/NA	Solid	6020B	1127502

General Chemistry

Analysis Batch: 1127312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358008-1	MW101-SB-02_6	Total/NA	Solid	Moisture	
460-358008-2	MW101-SB-02_9.5	Total/NA	Solid	Moisture	
460-358008-3	MW101-SB-03_6	Total/NA	Solid	Moisture	
460-358008-4	MW101-SB-03_9.5	Total/NA	Solid	Moisture	
460-358008-5	MW101-SB-01_5	Total/NA	Solid	Moisture	
460-358008-6	MW101-SB-01_9.5	Total/NA	Solid	Moisture	
460-357640-A-3 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-357640-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-358019-A-16 MSS	Matrix Spike	Total/NA	Solid	Moisture	
460-358008-2 DU	MW101-SB-02_9.5	Total/NA	Solid	Moisture	

Client Sample ID: MW101-SB-02_6 — **Lab Sample ID: 460-358008-1**
Date Collected: 08/20/26 09:00 — **Matrix: Solid**
Date Received: 08/20/26 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1127312	GMR	EET EDI	08/21/26 19:41

Client Sample ID: MW101-SB-02_6 — **Lab Sample ID: 460-358008-1**
Date Collected: 08/20/26 09:00 — **Matrix: Solid**
Date Received: 08/20/26 16:37 — **Percent Solids: 85.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1127137	AIN	EET EDI	08/20/26 22:18
Total/NA	Analysis	8260D		50	1127595	AAT	EET EDI	08/24/26 15:59
Total/NA	Prep	3546			1127500	BJB	EET EDI	08/22/26 14:30
Total/NA	Analysis	8270E		1	1127581	YAH	EET EDI	08/24/26 01:19
Total/NA	Prep	1633A			873632	VDC4	ELLE	08/24/26 14:23
Total/NA	Analysis	1633A		1	873929	P7EB	ELLE	08/25/26 07:45
Total/NA	Prep	3050B			1127502	TDT	EET EDI	08/22/26 14:39
Total/NA	Analysis	6020B		1	1127582	DLE	EET EDI	08/24/26 01:04

Client Sample ID: MW101-SB-02_9.5 — **Lab Sample ID: 460-358008-2**
Date Collected: 08/20/26 09:05 — **Matrix: Solid**
Date Received: 08/20/26 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1127312	GMR	EET EDI	08/21/26 19:57

Client Sample ID: MW101-SB-02_9.5 — **Lab Sample ID: 460-358008-2**
Date Collected: 08/20/26 09:05 — **Matrix: Solid**
Date Received: 08/20/26 16:37 — **Percent Solids: 83.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1127138	AIN	EET EDI	08/20/26 22:25
Total/NA	Analysis	8260D		1	1127404	AAT	EET EDI	08/22/26 14:57
Total/NA	Prep	3546			1127500	BJB	EET EDI	08/22/26 14:30
Total/NA	Analysis	8270E		1	1127581	YAH	EET EDI	08/23/26 19:42
Total/NA	Prep	1633A			873632	VDC4	ELLE	08/24/26 14:23
Total/NA	Analysis	1633A		1	873929	P7EB	ELLE	08/25/26 07:59
Total/NA	Prep	3050B			1127502	TDT	EET EDI	08/22/26 14:39
Total/NA	Analysis	6020B		1	1127582	DLE	EET EDI	08/24/26 01:06

Client Sample ID: MW101-SB-03_6 — **Lab Sample ID: 460-358008-3**
Date Collected: 08/20/26 09:50 — **Matrix: Solid**
Date Received: 08/20/26 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1127312	GMR	EET EDI	08/21/26 19:57

Client Sample ID: MW101-SB-03_6
Lab Sample ID: 460-358008-3

Date Collected: 08/20/26 09:50
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1127138	AIN	EET EDI	08/20/26 22:26
Total/NA	Analysis	8260D		1	1127404	AAT	EET EDI	08/22/26 15:20
Total/NA	Prep	3546			1127500	BJB	EET EDI	08/22/26 14:30
Total/NA	Analysis	8270E		1	1127581	YAH	EET EDI	08/23/26 20:05
Total/NA	Prep	1633A			873632	VDC4	ELLE	08/24/26 14:23
Total/NA	Analysis	1633A		1	873929	P7EB	ELLE	08/25/26 08:13
Total/NA	Prep	3050B			1127502	TDT	EET EDI	08/22/26 14:39
Total/NA	Analysis	6020B		1	1127582	DLE	EET EDI	08/24/26 01:09

Client Sample ID: MW101-SB-03_9.5
Lab Sample ID: 460-358008-4

Date Collected: 08/20/26 09:58
Matrix: Solid
Date Received: 08/20/26 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1127312	GMR	EET EDI	08/21/26 19:57

Client Sample ID: MW101-SB-03_9.5
Lab Sample ID: 460-358008-4

Date Collected: 08/20/26 09:58
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1127138	AIN	EET EDI	08/20/26 22:27
Total/NA	Analysis	8260D		1	1127404	AAT	EET EDI	08/22/26 15:43
Total/NA	Prep	3546			1127500	BJB	EET EDI	08/22/26 14:30
Total/NA	Analysis	8270E		1	1127581	YAH	EET EDI	08/23/26 19:20
Total/NA	Prep	1633A			873632	VDC4	ELLE	08/24/26 14:23
Total/NA	Analysis	1633A		1	873929	P7EB	ELLE	08/25/26 09:20
Total/NA	Prep	3050B			1127502	TDT	EET EDI	08/22/26 14:39
Total/NA	Analysis	6020B		1	1127582	DLE	EET EDI	08/24/26 01:12

Client Sample ID: MW101-SB-01_5
Lab Sample ID: 460-358008-5

Date Collected: 08/20/26 11:30
Matrix: Solid
Date Received: 08/20/26 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1127312	GMR	EET EDI	08/21/26 19:57

Client Sample ID: MW101-SB-01_5
Lab Sample ID: 460-358008-5

Date Collected: 08/20/26 11:30
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1127137	AIN	EET EDI	08/20/26 22:20
Total/NA	Analysis	8260D		50	1127595	AAT	EET EDI	08/24/26 16:23
Total/NA	Prep	3546			1127500	BJB	EET EDI	08/22/26 14:30
Total/NA	Analysis	8270E		1	1127581	YAH	EET EDI	08/24/26 02:04

Lab Chronicle

Client: Haley & Aldrich Inc
Job ID: 460-358008-1
Project/Site: Former Port Mobil

Client Sample ID: MW101-SB-01_5
Lab Sample ID: 460-358008-5
Date Collected: 08/20/26 11:30
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546	DL		1127500	BJB	EET EDI	08/22/26 14:30
Total/NA	Analysis	8270E	DL	5	1127823	SK	EET EDI	08/25/26 15:06
Total/NA	Prep	1633A			873632	VDC4	ELLE	08/24/26 14:23
Total/NA	Analysis	1633A		1	873929	P7EB	ELLE	08/25/26 09:34
Total/NA	Prep	3050B			1127502	TDT	EET EDI	08/22/26 14:39
Total/NA	Analysis	6020B		5	1127582	DLE	EET EDI	08/24/26 01:14

Client Sample ID: MW101-SB-01_9.5
Lab Sample ID: 460-358008-6
Date Collected: 08/20/26 11:40
Matrix: Solid
Date Received: 08/20/26 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1127312	GMR	EET EDI	08/21/26 19:57

Client Sample ID: MW101-SB-01_9.5
Lab Sample ID: 460-358008-6
Date Collected: 08/20/26 11:40
Matrix: Solid
Date Received: 08/20/26 16:37
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1127137	AIN	EET EDI	08/20/26 22:20
Total/NA	Analysis	8260D		50	1127595	AAT	EET EDI	08/24/26 16:47
Total/NA	Prep	3546			1127500	BJB	EET EDI	08/22/26 14:30
Total/NA	Analysis	8270E		1	1127581	YAH	EET EDI	08/24/26 01:41
Total/NA	Prep	1633A			873632	VDC4	ELLE	08/24/26 14:23
Total/NA	Analysis	1633A		1	873929	P7EB	ELLE	08/25/26 09:48
Total/NA	Prep	3050B			1127502	TDT	EET EDI	08/22/26 14:39
Total/NA	Analysis	6020B		1	1127582	DLE	EET EDI	08/24/26 01:17

Client Sample ID: TB-01_20260820
Lab Sample ID: 460-358008-7
Date Collected: 08/20/26 11:40
Matrix: Water
Date Received: 08/20/26 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1127418	MZS	EET EDI	08/22/26 10:58

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

Accreditation/Certification Summary

Client: Haley & Aldrich Inc
Job ID: 460-358008-1
Project/Site: Former Port Mobil

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	04-01-27

The following analytes are included in this report, but the laboratory is not certified by New York NELAP 11452. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	Total BTEX
8260D	5035	Solid	Total BTEX
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	04-01-27

Method Summary

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

Job ID: 460-358008-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633A	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5030C	Purge and Trap	SW846	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

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: 460-358008-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
460-358008-1	MW101-SB-02_6	Solid	08/20/26 09:00	08/20/26 16:37	New York
460-358008-2	MW101-SB-02_9.5	Solid	08/20/26 09:05	08/20/26 16:37	New York
460-358008-3	MW101-SB-03_6	Solid	08/20/26 09:50	08/20/26 16:37	New York
460-358008-4	MW101-SB-03_9.5	Solid	08/20/26 09:58	08/20/26 16:37	New York
460-358008-5	MW101-SB-01_5	Solid	08/20/26 11:30	08/20/26 16:37	New York
460-358008-6	MW101-SB-01_9.5	Solid	08/20/26 11:40	08/20/26 16:37	New York
460-358008-7	TB-01_20260820	Water	08/20/26 11:40	08/20/26 16:37	New York

Eurofins lab name: Eurofins Environment Testing Northeast, LLC (Eurofins Edison)

Chain of Custody Record

Total - (2) coolers

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Environment Testing America

Lab Address: 777 New Durham Road, Edison, NJ

Eurofins' services under this CoC shall be performed in accordance with the T&Cs within BSA #2025-2027-Eurofins by and between Haley & Aldrich, Inc., its subsidiaries and affiliates, and Eurofins and its named affiliates.

Client Information	Sampler: Charlotte Lorthioir	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No:
Client Contact: NP Staten Island Industrial, LLC	Phone: 929-668-7247	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: NY	Page: 1 of 1
Company: Haley & Aldrich Inc	PWSID:	Analysis Requested		Job #: 358008

Address: 213 West 35th Street, 7th Floor	Due Date Requested:	Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify); Other
City: New York	TAT Requested (days): Standard (1 week)	
State, Zip: New York, 10001	Compliance Project: Δ Yes Δ No	
Phone: 516-317-9861	PO #: 0213836-003-002-05	
Email: Scommisso@haleyaldrich.com	WO #: 0213836-003-002-05	
Project Name: 4101 Arthur Kill - Former Port Mobil	Project #: 46042832	
Site: 4101 Arthur Kill Road, Staten Island, NY	SSOW#:	

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D BTEX & MTBE	8270 Napthalene & Benzo(a)anthracene	6010B Lead	1633 PFOa & PFAS	SHORT HOLD	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A						
MW101-SB-02_6	8/20/2026	9:00	G	S	N	N	X	X	X	X		7	-1
MW101-SB-02_9.5	8/20/2026	9:05	G	S	N	N	X	X	X	X		7	-2
MW101-SB-03_6	8/20/2026	9:50	G	S	N	N	X	X	X	X		7	-3
MW101-SB-03_9.5	8/20/2026	9:58	G	S	N	N	X	X	X	X		7	-4
MW101-SB-01_5	8/20/2026	11:30	G	S	N	N	X	X	X	X		7	-5
MW101-SB-01_9.5	8/20/2026	11.40	G	S	N	N	X	X	X	X		7	-6
TB-01_20260820				W	N	N	X	X	X	X		2	-7

460-358008 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	8/20/26		Received by:	8/20/26	
Relinquished by:	8/20/26	1637	Received by:	8/20/26 1637	ECA
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No. 21-21	Cooler Temperature(s) °C and Other Remarks:

Ver 07/18/2025

Eurofins Edison
Receipt Temperature and pH Log

Job Number: 358008

Number of Coolers: 1 IR Gun # 4

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.1 °C	2.4 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	1,4-Dioxane (pH<4)	Other

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.

EDS-WI-038 Rev 5
9/5/2025

Initials _____ Date _____

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery, Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-78759.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 460-358008-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 8/27/2026			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 4101 Arthur Kill - Former Port Mobil	Project #: 46042832			Other: N/A
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633A/1633A_Shake1633 Standard List 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW101-SB-02_6 (460-358008-1)	8/20/26	09:00 Eastern	G	Solid			X	1	
MW101-SB-02_9.5 (460-358008-2)	8/20/26	09:05 Eastern	G	Solid			X	1	
MW101-SB-03_6 (460-358008-3)	8/20/26	09:50 Eastern	G	Solid			X	1	
MW101-SB-03_9.5 (460-358008-4)	8/20/26	09:58 Eastern	G	Solid			X	1	
MW101-SB-01_5 (460-358008-5)	8/20/26	11:30 Eastern	G	Solid			X	1	
MW101-SB-01_9.5 (460-358008-6)	8/20/26	11:40 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/21/26 1650	Company: ET	Received by: BM	Date/Time: 8/21/26 1650	Company: ET
Relinquished by: BM	Date/Time: 8/21/26 2013	Company: ET	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/21/26 2013	Company: Client

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: R 0.1 C-0.2

YMH

Login Sample Receipt Checklist

Client: Haley & Aldrich Inc

Job Number: 460-358008-1

Login Number: 358008

List Source: Eurofins Edison

List Number: 1

Creator: Kafka, Emily E

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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: 460-358008-1

Login Number: 358008
List Number: 2
Creator: Williams, Peter

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 08/22/26 01:54 PM

Question	Answer	Comment
The cooler's custody seal is 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 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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/11/2026 3:19:49 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-358881-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

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



Generated
9/11/2026 3:19:49 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Detection Summary 8
Client Sample Results 10
Surrogate Summary 26
Isotope Dilution Summary 27
QC Sample Results 29
QC Association Summary 46
Lab Chronicle 49
Certification Summary 52
Method Summary 53
Sample Summary 54
Chain of Custody 55
Receipt Checklists 58

Definitions/Glossary

Client: Haley & Aldrich Inc
Job ID: 460-358881-1
Project/Site: Former Port Mobil

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control 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.

LCMS

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

Metals

Qualifier	Qualifier Description
U	Indicates 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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Job Narrative
460-358881-1

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 9/2/2026 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.9°C and 1.1°C.

Receipt Exceptions
The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received: Trip Blank not received

Method 8260D - Volatile Organic Compounds by GC/MS
Samples MW101-SB-12_5 (460-358881-1), MW101-SB-12_9 (460-358881-2), MW101-SB-11_5 (460-358881-3), MW101-SB-11_10 (460-358881-4), MW101-SB-13_5 (460-358881-5) and MW101-SB-13_10 (460-358881-6) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 9/3/2026 and analyzed on 9/5/2026, 9/8/2026 and 9/9/2026.

Four surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW101-SB-12_9 (460-358881-2). These results have been reported and qualified.

Surrogate recovery for the following sample were outside control limits: MW101-SB-12_5 (460-358881-1). Evidence of matrix interference is present; therefore, re-analysis was not performed.

Surrogate recovery for the following samples was outside control limits: MW101-SB-11_10 (460-358881-4) and MW101-SB-13_10 (460-358881-6). Evidence of matrix interference is present; therefore, re-analysis was not performed.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples MW101-SB-12_5 (460-358881-1), MW101-SB-12_9 (460-358881-2), MW101-SB-11_5 (460-358881-3), MW101-SB-11_10 (460-358881-4), MW101-SB-13_5 (460-358881-5) and MW101-SB-13_10 (460-358881-6) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 9/3/2026 and analyzed on 9/4/2026.

Method 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A
Samples MW101-SB-12_5 (460-358881-1), MW101-SB-12_9 (460-358881-2), MW101-SB-11_5 (460-358881-3), MW101-SB-11_10 (460-358881-4), MW101-SB-13_5 (460-358881-5) and MW101-SB-13_10 (460-358881-6) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A. The samples were prepared on 9/7/2026 and analyzed on 9/10/2026.

The recovery for labeled isotope: d5-NEtFOSAA is outside the QC acceptance limits in the opening and closing continuing calibration verification standard associated with the following samples MW101-SB-12_5 (460-358881-1), MW101-SB-12_9 (460-358881-2), MW101-SB-11_5 (460-358881-3), MW101-SB-11_10 (460-358881-4), MW101-SB-13_5 (460-358881-5) and MW101-SB-13_10 (460-358881-6), biased low. Since the recovery for target analytes is within the limits, the data is reported.

The recovery for labeled isotope: d3-NMeFOSAA, 13C2 4:2 FTS and 13C2 8:2 FTS is outside the QC acceptance limits in the closing continuing calibration verification standard associated with the following samples MW101-SB-12_5 (460-358881-1), MW101-SB-12_9 (460-358881-2), MW101-SB-11_5 (460-358881-3), MW101-SB-11_10 (460-358881-4), MW101-SB-13_5 (460-358881-5) and MW101-SB-13_10 (460-358881-6), biased low. Since the recovery for target analytes is within the limits, the data is reported.

The recovery for the labeled isotope(s) 13C8 FOSA, d3-NMeFOSAA, d5-NEtFOSAA, 13C2 4:2 FTS and 13C2 8:2 FTS in the

following sample: MW101-SB-11_5 (460-358881-3) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

The recovery for the labeled isotope(s) 13C8 FOSA and 13C2 4:2 FTS in the following sample: MW101-SB-13_5 (460-358881-5) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

The recovery for the labeled isotope(s) d3-NMeFOSAA, d5-NEtFOSAA, 13C2 4:2 FTS, 13C2 6:2 FTS and 13C2 8:2 FTS in the following sample: MW101-SB-12_5 (460-358881-1) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

Method 6020B - Metals (ICP/MS)
Samples MW101-SB-12_5 (460-358881-1), MW101-SB-12_9 (460-358881-2), MW101-SB-11_5 (460-358881-3), MW101-SB-11_10 (460-358881-4), MW101-SB-13_5 (460-358881-5) and MW101-SB-13_10 (460-358881-6) were analyzed for Metals (ICP/MS). The samples were prepared on 9/4/2026 and analyzed on 9/6/2026.

Samples MW101-SB-12_5 (460-358881-1)[5x], MW101-SB-12_9 (460-358881-2)[5x], MW101-SB-11_5 (460-358881-3)[5x], MW101-SB-11_10 (460-358881-4)[5x], MW101-SB-13_5 (460-358881-5)[5x] and MW101-SB-13_10 (460-358881-6)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were diluted due to the nature of the sample matrix: MW101-SB-12_5 (460-358881-1), MW101-SB-12_9 (460-358881-2), MW101-SB-11_5 (460-358881-3), MW101-SB-11_10 (460-358881-4), MW101-SB-13_5 (460-358881-5) and MW101-SB-13_10 (460-358881-6). Elevated reporting limits (RLs) are provided.

Method Moisture - Percent Moisture
Samples MW101-SB-12_5 (460-358881-1), MW101-SB-12_9 (460-358881-2), MW101-SB-11_5 (460-358881-3), MW101-SB-11_10 (460-358881-4), MW101-SB-13_5 (460-358881-5) and MW101-SB-13_10 (460-358881-6) were analyzed for Percent Moisture. The samples were analyzed on 9/3/2026.

Detection Summary

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

Job ID: 460-358881-1

Client Sample ID: MW101-SB-12_5 — Lab Sample ID: 460-358881-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0047		0.00092	0.00023	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0050		0.00092	0.00043	mg/Kg	1	☼	8260D	Total/NA
Methyl tert-butyl ether	0.00072	J	0.00092	0.00047	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0040		0.00092	0.00021	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0078		0.0018	0.00039	mg/Kg	1	☼	8260D	Total/NA
Total BTEX	0.017		0.0055	0.0011	mg/Kg	1	☼	8260D	Total/NA
Perfluorodecanoic acid (PFDA)	0.086	J	0.20	0.060	ug/Kg	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.50		0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Lead	12.5		3.1	1.0	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: MW101-SB-12_9 — Lab Sample ID: 460-358881-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0057		0.00087	0.00021	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00058	J	0.00087	0.00050	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00094		0.00087	0.00041	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00070	J	0.00087	0.00020	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0038		0.0017	0.00037	mg/Kg	1	☼	8260D	Total/NA
Total BTEX	0.0060		0.0052	0.0010	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.076		0.037	0.0035	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.16	J	0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Lead	8.5		3.0	0.99	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: MW101-SB-11_5 — Lab Sample ID: 460-358881-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.017	J	0.041	0.0039	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.12	J	0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.12	J	0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Perfluorooctanoic acid (PFOA)	0.21		0.20	0.060	ug/Kg	1	☼	1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.33		0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.31		0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.15	J I	0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.27		0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Lead	202		3.3	1.1	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: MW101-SB-11_10 — Lab Sample ID: 460-358881-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00068	J	0.00079	0.00019	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00067	J	0.00079	0.00037	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00085		0.00079	0.00018	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0011	J	0.0016	0.00033	mg/Kg	1	☼	8260D	Total/NA
Total BTEX	0.0026	J	0.0047	0.00091	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.23		0.040	0.0037	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.049	J	0.40	0.0032	mg/Kg	1	☼	8270E	Total/NA
Lead	40.7		3.3	1.1	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: MW101-SB-13_5 — Lab Sample ID: 460-358881-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0056		0.0043	0.0024	mg/Kg	1	☼	8260D	Total/NA
Total BTEX	0.0056	J	0.026	0.0050	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: MW101-SB-13_5 (Continued)
Lab Sample ID: 460-358881-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.014	J	0.040	0.0038	mg/Kg	1	☼	8270E	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.24		0.19	0.097	ug/Kg	1	☼	1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.77		0.39	0.19	ug/Kg	1	☼	1633A	Total/NA
Lead	21.5		3.3	1.1	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: MW101-SB-13_10
Lab Sample ID: 460-358881-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0045		0.0010	0.00025	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0054		0.0010	0.00031	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.049		0.0010	0.00057	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0059		0.0010	0.00047	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0056		0.0010	0.00023	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.017		0.0020	0.00042	mg/Kg	1	☼	8260D	Total/NA
Total BTEX	0.078		0.0060	0.0012	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.058		0.040	0.0037	mg/Kg	1	☼	8270E	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.18	J	0.19	0.096	ug/Kg	1	☼	1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.34	J	0.38	0.19	ug/Kg	1	☼	1633A	Total/NA
Lead	23.7		3.0	1.0	mg/Kg	5	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW101-SB-12_5
Date Collected: 09/02/26 12:00
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-1
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**0.0047**		0.00092	0.00023	mg/Kg	☼	09/03/26 17:28	09/05/26 15:35	1
1,3,5-Trimethylbenzene	0.00092	U	0.00092	0.00029	mg/Kg	☼	09/03/26 17:28	09/05/26 15:35	1
Benzene	0.00092	U	0.00092	0.00052	mg/Kg	☼	09/03/26 17:28	09/05/26 15:35	1
Ethylbenzene	**0.0050**		0.00092	0.00043	mg/Kg	☼	09/03/26 17:28	09/05/26 15:35	1
Methyl tert-butyl ether	**0.00072**	**J**	0.00092	0.00047	mg/Kg	☼	09/03/26 17:28	09/05/26 15:35	1
Toluene	**0.0040**		0.00092	0.00021	mg/Kg	☼	09/03/26 17:28	09/05/26 15:35	1
Xylenes, Total	**0.0078**		0.0018	0.00039	mg/Kg	☼	09/03/26 17:28	09/05/26 15:35	1
Total BTEX	**0.017**		0.0055	0.0011	mg/Kg	☼	09/03/26 17:28	09/05/26 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*315*	*	*65 - 138*	*09/03/26 17:28*	*09/05/26 15:35*	*1*
4-Bromofluorobenzene	*170*	*	*71 - 128*	*09/03/26 17:28*	*09/05/26 15:35*	*1*
Dibromofluoromethane (Surr)	*22*	*	*65 - 139*	*09/03/26 17:28*	*09/05/26 15:35*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*09/03/26 17:28*	*09/05/26 15:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.039	U	0.039	0.0037	mg/Kg	☼	09/03/26 21:35	09/04/26 13:38	1
Naphthalene	0.39	U	0.39	0.0031	mg/Kg	☼	09/03/26 21:35	09/04/26 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*14 - 104*	*09/03/26 21:35*	*09/04/26 13:38*	*1*
2-Fluorobiphenyl	*81*		*29 - 104*	*09/03/26 21:35*	*09/04/26 13:38*	*1*
2-Fluorophenol (Surr)	*75*		*22 - 99*	*09/03/26 21:35*	*09/04/26 13:38*	*1*
Nitrobenzene-d5 (Surr)	*79*		*26 - 97*	*09/03/26 21:35*	*09/04/26 13:38*	*1*
Phenol-d5 (Surr)	*77*		*25 - 95*	*09/03/26 21:35*	*09/04/26 13:38*	*1*
Terphenyl-d14 (Surr)	*86*		*29 - 104*	*09/03/26 21:35*	*09/04/26 13:38*	*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	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.060	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorodecanoic acid (PFDA)	**0.086**	**J**	0.20	0.060	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorooctanesulfonic acid (PFOS)	**0.50**		0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1

Client Sample ID: MW101-SB-12_5
Date Collected: 09/02/26 12:00
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-1
Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.00	U	1.00	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.00	U	1.00	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.00	U	1.00	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.00	U	1.00	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 19:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.5*		*8 - 130*	*09/07/26 04:14*	*09/10/26 19:53*	*1*
13C5 PFPeA	*66.5*		*35 - 130*	*09/07/26 04:14*	*09/10/26 19:53*	*1*
13C5 PFHxA	*81.5*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:53*	*1*
13C4 PFHpA	*73.4*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:53*	*1*
13C8 PFOA	*85.9*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:53*	*1*
13C9 PFNA	*89.7*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:53*	*1*
13C6 PFDA	*96.0*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:53*	*1*
13C7 PFUnA	*92.1*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:53*	*1*
13C2 PFTeDA	*108*		*20 - 130*	*09/07/26 04:14*	*09/10/26 19:53*	*1*
13C3 PFBS	*97.9*		*40 - 135*	*09/07/26 04:14*	*09/10/26 19:53*	*1*

Client Sample ID: MW101-SB-12_5

Lab Sample ID: 460-358881-1
Date Collected: 09/02/26 12:00
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 84.3

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	94.7		40 - 130	09/07/26 04:14	09/10/26 19:53	1
13C8 PFOS	98.9		40 - 130	09/07/26 04:14	09/10/26 19:53	1
13C8 FOSA	130		40 - 130	09/07/26 04:14	09/10/26 19:53	1
d3-NMeFOSAA	214	*	40 - 135	09/07/26 04:14	09/10/26 19:53	1
d5-NEtFOSAA	174	*	40 - 150	09/07/26 04:14	09/10/26 19:53	1
13C2 4:2 FTS	371	*	40 - 165	09/07/26 04:14	09/10/26 19:53	1
13C2 6:2 FTS	397	*	40 - 215	09/07/26 04:14	09/10/26 19:53	1
13C2 8:2 FTS	348	*	40 - 275	09/07/26 04:14	09/10/26 19:53	1
13C3 HFPO-DA	78.6		40 - 130	09/07/26 04:14	09/10/26 19:53	1
d7-N-MeFOSE-M	67.7		20 - 130	09/07/26 04:14	09/10/26 19:53	1
d9-N-EtFOSE-M	58.3		15 - 130	09/07/26 04:14	09/10/26 19:53	1
d5-NEtPFOSA	63.2		10 - 130	09/07/26 04:14	09/10/26 19:53	1
d3-NMePFOSA	75.6		10 - 130	09/07/26 04:14	09/10/26 19:53	1
13C2 PFDoA	104		40 - 130	09/07/26 04:14	09/10/26 19:53	1
13C3-3:3 FTCA	89.5		20 - 150	09/07/26 04:14	09/10/26 19:53	1
13C3-5:3 FTCA	108		20 - 150	09/07/26 04:14	09/10/26 19:53	1
13C3-PFDoS	89.6		20 - 150	09/07/26 04:14	09/10/26 19:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12.5		3.1	1.0	mg/Kg	☼	09/04/26 13:47	09/06/26 11:29	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	15.7		1.0	1.0	%			09/03/26 18:43	1
Percent Solids (EPA Moisture)	84.3		1.0	1.0	%			09/03/26 18:43	1

Client Sample ID: MW101-SB-12_9

Lab Sample ID: 460-358881-2
Date Collected: 09/02/26 12:15
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.0057		0.00087	0.00021	mg/Kg	☼	09/03/26 17:28	09/08/26 17:48	1
1,3,5-Trimethylbenzene	0.00087	U	0.00087	0.00027	mg/Kg	☼	09/03/26 17:28	09/08/26 17:48	1
Benzene	0.00058	J	0.00087	0.00050	mg/Kg	☼	09/03/26 17:28	09/08/26 17:48	1
Ethylbenzene	0.00094		0.00087	0.00041	mg/Kg	☼	09/03/26 17:28	09/08/26 17:48	1
Methyl tert-butyl ether	0.00087	U	0.00087	0.00045	mg/Kg	☼	09/03/26 17:28	09/08/26 17:48	1
Toluene	0.00070	J	0.00087	0.00020	mg/Kg	☼	09/03/26 17:28	09/08/26 17:48	1
Xylenes, Total	0.0038		0.0017	0.00037	mg/Kg	☼	09/03/26 17:28	09/08/26 17:48	1
Total BTEX	0.0060		0.0052	0.0010	mg/Kg	☼	09/03/26 17:28	09/08/26 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		65 - 138	09/03/26 17:28	09/08/26 17:48	1
4-Bromofluorobenzene	131	*	71 - 128	09/03/26 17:28	09/08/26 17:48	1
Dibromofluoromethane (Surr)	95		65 - 139	09/03/26 17:28	09/08/26 17:48	1
Toluene-d8 (Surr)	93		71 - 126	09/03/26 17:28	09/08/26 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.076		0.037	0.0035	mg/Kg	☼	09/03/26 21:35	09/04/26 14:01	1

Client Sample ID: MW101-SB-12_9
Date Collected: 09/02/26 12:15
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-2
Matrix: Solid
Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.37	U	0.37	0.0030	mg/Kg	☼	09/03/26 21:35	09/04/26 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*14 - 104*	*09/03/26 21:35*	*09/04/26 14:01*	*1*
2-Fluorobiphenyl	*80*		*29 - 104*	*09/03/26 21:35*	*09/04/26 14:01*	*1*
2-Fluorophenol (Surr)	*76*		*22 - 99*	*09/03/26 21:35*	*09/04/26 14:01*	*1*
Nitrobenzene-d5 (Surr)	*77*		*26 - 97*	*09/03/26 21:35*	*09/04/26 14:01*	*1*
Phenol-d5 (Surr)	*78*		*25 - 95*	*09/03/26 21:35*	*09/04/26 14:01*	*1*
Terphenyl-d14 (Surr)	*87*		*29 - 104*	*09/03/26 21:35*	*09/04/26 14:01*	*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	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.060	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.060	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorooctanesulfonic acid (PFOS)	**0.16**	**J**	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.0	U	1.0	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1

Client Sample ID: MW101-SB-12_9
Date Collected: 09/02/26 12:15
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-2
Matrix: Solid
Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.0	U	1.0	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.0	U	1.0	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.0	U	1.0	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 20:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*75.4*		*8 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C5 PFPeA	*76.7*		*35 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C5 PFHxA	*77.0*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C4 PFHpA	*78.4*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C8 PFOA	*78.7*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C9 PFNA	*81.2*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C6 PFDA	*78.8*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C7 PFUnA	*73.6*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C2 PFTeDA	*85.2*		*20 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C3 PFBS	*78.5*		*40 - 135*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C3 PFHxS	*78.7*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C8 PFOS	*85.1*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C8 FOSA	*111*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
d3-NMeFOSAA	*65.0*		*40 - 135*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
d5-NEtFOSAA	*60.5*		*40 - 150*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C2 4:2 FTS	*59.4*		*40 - 165*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C2 6:2 FTS	*71.1*		*40 - 215*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C2 8:2 FTS	*106*		*40 - 275*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C3 HFPO-DA	*69.4*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
d7-N-MeFOSE-M	*64.8*		*20 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
d9-N-EtFOSE-M	*60.8*		*15 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
d5-NEtPFOSA	*70.4*		*10 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
d3-NMePFOSA	*79.6*		*10 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C2 PFDoA	*71.0*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C3-3:3 FTCA	*79.7*		*20 - 150*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C3-5:3 FTCA	*84.1*		*20 - 150*	*09/07/26 04:14*	*09/10/26 20:06*	*1*
13C3-PFDoS	*74.3*		*20 - 150*	*09/07/26 04:14*	*09/10/26 20:06*	*1*

Client Sample ID: MW101-SB-12_9

Lab Sample ID: 460-358881-2
Date Collected: 09/02/26 12:15
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**8.5**		3.0	0.99	mg/Kg	☼	09/04/26 13:47	09/06/26 11:31	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.8**		1.0	1.0	%			09/03/26 18:43	1
Percent Solids (EPA Moisture)	**88.2**		1.0	1.0	%			09/03/26 18:43	1

Client Sample ID: MW101-SB-11_5

Lab Sample ID: 460-358881-3
Date Collected: 09/02/26 13:25
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.00099	U	0.00099	0.00024	mg/Kg	☼	09/03/26 17:29	09/05/26 16:21	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	09/03/26 17:29	09/05/26 16:21	1
Benzene	0.00099	U	0.00099	0.00056	mg/Kg	☼	09/03/26 17:29	09/05/26 16:21	1
Ethylbenzene	0.00099	U	0.00099	0.00046	mg/Kg	☼	09/03/26 17:29	09/05/26 16:21	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	09/03/26 17:29	09/05/26 16:21	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	09/03/26 17:29	09/05/26 16:21	1
Xylenes, Total	0.0020	U	0.0020	0.00042	mg/Kg	☼	09/03/26 17:29	09/05/26 16:21	1
Total BTEX	0.0059	U	0.0059	0.0011	mg/Kg	☼	09/03/26 17:29	09/05/26 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*09/03/26 17:29*	*09/05/26 16:21*	*1*
4-Bromofluorobenzene	*119*		*71 - 128*	*09/03/26 17:29*	*09/05/26 16:21*	*1*
Dibromofluoromethane (Surr)	*84*		*65 - 139*	*09/03/26 17:29*	*09/05/26 16:21*	*1*
Toluene-d8 (Surr)	*109*		*71 - 126*	*09/03/26 17:29*	*09/05/26 16:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.017**	**J**	0.041	0.0039	mg/Kg	☼	09/03/26 21:35	09/04/26 12:52	1
Naphthalene	0.41	U	0.41	0.0033	mg/Kg	☼	09/03/26 21:35	09/04/26 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*14 - 104*	*09/03/26 21:35*	*09/04/26 12:52*	*1*
2-Fluorobiphenyl	*77*		*29 - 104*	*09/03/26 21:35*	*09/04/26 12:52*	*1*
2-Fluorophenol (Surr)	*77*		*22 - 99*	*09/03/26 21:35*	*09/04/26 12:52*	*1*
Nitrobenzene-d5 (Surr)	*76*		*26 - 97*	*09/03/26 21:35*	*09/04/26 12:52*	*1*
Phenol-d5 (Surr)	*78*		*25 - 95*	*09/03/26 21:35*	*09/04/26 12:52*	*1*
Terphenyl-d14 (Surr)	*86*		*29 - 104*	*09/03/26 21:35*	*09/04/26 12:52*	*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	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorohexanoic acid (PFHxA)	**0.12**	**J**	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluoroheptanoic acid (PFHpA)	**0.12**	**J**	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorooctanoic acid (PFOA)	**0.21**		0.20	0.060	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorononanoic acid (PFNA)	**0.33**		0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.060	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1

Client Sample ID: MW101-SB-11_5
Date Collected: 09/02/26 13:25
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-3
Matrix: Solid
Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	**0.31**		0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorohexanesulfonic acid (PFHxS)	**0.15**	**J I**	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorooctanesulfonic acid (PFOS)	**0.27**		0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.0	U	1.0	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.0	U	1.0	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1

Client Sample ID: MW101-SB-11_5

Lab Sample ID: 460-358881-3

Date Collected: 09/02/26 13:25
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.0	U	1.0	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.0	U	1.0	0.50	ug/Kg	☼	09/07/26 04:14	09/10/26 20:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*106*		*8 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C5 PFPeA	*85.7*		*35 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C5 PFHxA	*90.3*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C4 PFHpA	*86.7*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C8 PFOA	*96.3*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C9 PFNA	*103*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C6 PFDA	*110*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C7 PFUnA	*104*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C2 PFTeDA	*116*		*20 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C3 PFBS	*115*		*40 - 135*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C3 PFHxS	*112*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C8 PFOS	*110*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C8 FOSA	*154*	*	*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
d3-NMeFOSAA	*205*	*	*40 - 135*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
d5-NEtFOSAA	*170*	*	*40 - 150*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C2 4:2 FTS	*385*	*	*40 - 165*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C2 6:2 FTS	*387*	*	*40 - 215*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C2 8:2 FTS	*317*	*	*40 - 275*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C3 HFPO-DA	*89.2*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
d7-N-MeFOSE-M	*77.9*		*20 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
d9-N-EtFOSE-M	*68.9*		*15 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
d5-NEtPFOSA	*85.3*		*10 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
d3-NMePFOSA	*97.2*		*10 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C2 PFDoA	*112*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C3-3:3 FTCA	*99.8*		*20 - 150*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C3-5:3 FTCA	*119*		*20 - 150*	*09/07/26 04:14*	*09/10/26 20:20*	*1*
13C3-PFDoS	*102*		*20 - 150*	*09/07/26 04:14*	*09/10/26 20:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**202**		3.3	1.1	mg/Kg	☼	09/04/26 13:47	09/06/26 11:34	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**20.7**		1.0	1.0	%			09/03/26 19:33	1
Percent Solids (EPA Moisture)	**79.3**		1.0	1.0	%			09/03/26 19:33	1

Client Sample ID: MW101-SB-11_10

Lab Sample ID: 460-358881-4

Date Collected: 09/02/26 13:30
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**0.00068**	**J**	0.00079	0.00019	mg/Kg	☼	09/03/26 17:29	09/09/26 14:13	1
1,3,5-Trimethylbenzene	0.00079	U	0.00079	0.00025	mg/Kg	☼	09/03/26 17:29	09/09/26 14:13	1
Benzene	0.00079	U	0.00079	0.00045	mg/Kg	☼	09/03/26 17:29	09/09/26 14:13	1

Client Sample ID: MW101-SB-11_10
Date Collected: 09/02/26 13:30
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-4
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**0.00067**	**J**	0.00079	0.00037	mg/Kg	☼	09/03/26 17:29	09/09/26 14:13	1
Methyl tert-butyl ether	0.00079	U	0.00079	0.00040	mg/Kg	☼	09/03/26 17:29	09/09/26 14:13	1
Toluene	**0.00085**		0.00079	0.00018	mg/Kg	☼	09/03/26 17:29	09/09/26 14:13	1
Xylenes, Total	**0.0011**	**J**	0.0016	0.00033	mg/Kg	☼	09/03/26 17:29	09/09/26 14:13	1
Total BTEX	**0.0026**	**J**	0.0047	0.00091	mg/Kg	☼	09/03/26 17:29	09/09/26 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*09/03/26 17:29*	*09/09/26 14:13*	*1*
4-Bromofluorobenzene	*146*	*	*71 - 128*	*09/03/26 17:29*	*09/09/26 14:13*	*1*
Dibromofluoromethane (Surr)	*57*	*	*65 - 139*	*09/03/26 17:29*	*09/09/26 14:13*	*1*
Toluene-d8 (Surr)	*121*		*71 - 126*	*09/03/26 17:29*	*09/09/26 14:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.23**		0.040	0.0037	mg/Kg	☼	09/03/26 21:35	09/04/26 11:44	1
Naphthalene	**0.049**	**J**	0.40	0.0032	mg/Kg	☼	09/03/26 21:35	09/04/26 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*14 - 104*	*09/03/26 21:35*	*09/04/26 11:44*	*1*
2-Fluorobiphenyl	*79*		*29 - 104*	*09/03/26 21:35*	*09/04/26 11:44*	*1*
2-Fluorophenol (Surr)	*76*		*22 - 99*	*09/03/26 21:35*	*09/04/26 11:44*	*1*
Nitrobenzene-d5 (Surr)	*75*		*26 - 97*	*09/03/26 21:35*	*09/04/26 11:44*	*1*
Phenol-d5 (Surr)	*75*		*25 - 95*	*09/03/26 21:35*	*09/04/26 11:44*	*1*
Terphenyl-d14 (Surr)	*85*		*29 - 104*	*09/03/26 21:35*	*09/04/26 11:44*	*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	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.059	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1

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

Job ID: 460-358881-1

Client Sample ID: MW101-SB-11_10
Date Collected: 09/02/26 13:30
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-4
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.98	U	0.98	0.49	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.98	U	0.98	0.49	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.098	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.20	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.98	U	0.98	0.49	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.98	U	0.98	0.49	ug/Kg	☼	09/07/26 04:14	09/10/26 20:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96.8*		*8 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C5 PFPeA	*99.8*		*35 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C5 PFHxA	*102*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C4 PFHpA	*99.6*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C8 PFOA	*92.4*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C9 PFNA	*87.7*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C6 PFDA	*88.8*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C7 PFUnA	*77.9*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C2 PFTeDA	*54.3*		*20 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C3 PFBS	*93.6*		*40 - 135*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C3 PFHxS	*87.9*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C8 PFOS	*87.6*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
13C8 FOSA	*103*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:33*	*1*
d3-NMeFOSAA	*65.8*		*40 - 135*	*09/07/26 04:14*	*09/10/26 20:33*	*1*

Client Sample ID: MW101-SB-11_10

Lab Sample ID: 460-358881-4

Date Collected: 09/02/26 13:30
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 82.3

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	58.2		40 - 150	09/07/26 04:14	09/10/26 20:33	1
13C2 4:2 FTS	76.5		40 - 165	09/07/26 04:14	09/10/26 20:33	1
13C2 6:2 FTS	83.0		40 - 215	09/07/26 04:14	09/10/26 20:33	1
13C2 8:2 FTS	95.2		40 - 275	09/07/26 04:14	09/10/26 20:33	1
13C3 HFPO-DA	88.0		40 - 130	09/07/26 04:14	09/10/26 20:33	1
d7-N-MeFOSE-M	53.1		20 - 130	09/07/26 04:14	09/10/26 20:33	1
d9-N-EtFOSE-M	46.0		15 - 130	09/07/26 04:14	09/10/26 20:33	1
d5-NEtPFOSA	71.9		10 - 130	09/07/26 04:14	09/10/26 20:33	1
d3-NMePFOSA	80.5		10 - 130	09/07/26 04:14	09/10/26 20:33	1
13C2 PFDoA	65.7		40 - 130	09/07/26 04:14	09/10/26 20:33	1
13C3-3:3 FTCA	108		20 - 150	09/07/26 04:14	09/10/26 20:33	1
13C3-5:3 FTCA	96.4		20 - 150	09/07/26 04:14	09/10/26 20:33	1
13C3-PFDoS	51.9		20 - 150	09/07/26 04:14	09/10/26 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**40.7**		3.3	1.1	mg/Kg	☼	09/04/26 13:47	09/06/26 11:42	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**17.7**		1.0	1.0	%			09/03/26 19:33	1
Percent Solids (EPA Moisture)	**82.3**		1.0	1.0	%			09/03/26 19:33	1

Client Sample ID: MW101-SB-13_5

Lab Sample ID: 460-358881-5

Date Collected: 09/02/26 14:00
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.0043	U	0.0043	0.0011	mg/Kg	☼	09/03/26 17:30	09/08/26 14:20	1
1,3,5-Trimethylbenzene	0.0043	U	0.0043	0.0013	mg/Kg	☼	09/03/26 17:30	09/08/26 14:20	1
Benzene	**0.0056**		0.0043	0.0024	mg/Kg	☼	09/03/26 17:30	09/08/26 14:20	1
Ethylbenzene	0.0043	U	0.0043	0.0020	mg/Kg	☼	09/03/26 17:30	09/08/26 14:20	1
Methyl tert-butyl ether	0.0043	U	0.0043	0.0022	mg/Kg	☼	09/03/26 17:30	09/08/26 14:20	1
Toluene	0.0043	U	0.0043	0.0010	mg/Kg	☼	09/03/26 17:30	09/08/26 14:20	1
Xylenes, Total	0.0085	U	0.0085	0.0018	mg/Kg	☼	09/03/26 17:30	09/08/26 14:20	1
Total BTEX	**0.0056**	**J**	0.026	0.0050	mg/Kg	☼	09/03/26 17:30	09/08/26 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		65 - 138	09/03/26 17:30	09/08/26 14:20	1
4-Bromofluorobenzene	113		71 - 128	09/03/26 17:30	09/08/26 14:20	1
Dibromofluoromethane (Surr)	83		65 - 139	09/03/26 17:30	09/08/26 14:20	1
Toluene-d8 (Surr)	103		71 - 126	09/03/26 17:30	09/08/26 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.014**	**J**	0.040	0.0038	mg/Kg	☼	09/03/26 21:35	09/04/26 12:30	1
Naphthalene	0.40	U	0.40	0.0032	mg/Kg	☼	09/03/26 21:35	09/04/26 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		14 - 104	09/03/26 21:35	09/04/26 12:30	1

Client Sample ID: MW101-SB-13_5
Date Collected: 09/02/26 14:00
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-5
Matrix: Solid
Percent Solids: 80.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*29 - 104*	*09/03/26 21:35*	*09/04/26 12:30*	*1*
2-Fluorophenol (Surr)	*76*		*22 - 99*	*09/03/26 21:35*	*09/04/26 12:30*	*1*
Nitrobenzene-d5 (Surr)	*76*		*26 - 97*	*09/03/26 21:35*	*09/04/26 12:30*	*1*
Phenol-d5 (Surr)	*78*		*25 - 95*	*09/03/26 21:35*	*09/04/26 12:30*	*1*
Terphenyl-d14 (Surr)	*83*		*29 - 104*	*09/03/26 21:35*	*09/04/26 12:30*	*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	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluoropentanoic acid (PFPeA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorooctanoic acid (PFOA)	0.19	U	0.19	0.058	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorononanoic acid (PFNA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.058	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluoroundecanoic acid (PFUnA)	**0.24**		0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorotridecanoic acid (PFTrDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.77**		0.39	0.19	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.97	U	0.97	0.49	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.97	U	0.97	0.49	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1

Client Sample ID: MW101-SB-13_5
Date Collected: 09/02/26 14:00
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-5
Matrix: Solid
Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	0.19	0.097	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.19	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.97	U	0.97	0.49	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.97	U	0.97	0.49	ug/Kg	☼	09/07/26 04:14	09/10/26 20:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*8 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C5 PFPeA	*87.3*		*35 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C5 PFHxA	*90.0*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C4 PFHpA	*89.1*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C8 PFOA	*97.8*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C9 PFNA	*95.2*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C6 PFDA	*98.6*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C7 PFUnA	*95.3*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C2 PFTeDA	*83.6*		*20 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C3 PFBS	*100*		*40 - 135*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C3 PFHxS	*92.4*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C8 PFOS	*97.5*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C8 FOSA	*143*	*	*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
d3-NMeFOSAA	*132*		*40 - 135*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
d5-NEtFOSAA	*112*		*40 - 150*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C2 4:2 FTS	*198*	*	*40 - 165*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C2 6:2 FTS	*178*		*40 - 215*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C2 8:2 FTS	*195*		*40 - 275*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C3 HFPO-DA	*83.4*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
d7-N-MeFOSE-M	*89.4*		*20 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
d9-N-EtFOSE-M	*75.1*		*15 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
d5-NEtPFOSA	*87.3*		*10 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
d3-NMePFOSA	*96.7*		*10 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C2 PFDoA	*89.2*		*40 - 130*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C3-3:3 FTCA	*98.6*		*20 - 150*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C3-5:3 FTCA	*93.6*		*20 - 150*	*09/07/26 04:14*	*09/10/26 20:47*	*1*
13C3-PFDoS	*81.9*		*20 - 150*	*09/07/26 04:14*	*09/10/26 20:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**21.5**		3.3	1.1	mg/Kg	☼	09/04/26 13:47	09/06/26 11:45	5

Client Sample ID: MW101-SB-13_5

Lab Sample ID: 460-358881-5

Date Collected: 09/02/26 14:00
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 80.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**19.5**		1.0	1.0	%			09/03/26 19:33	1
Percent Solids (EPA Moisture)	**80.5**		1.0	1.0	%			09/03/26 19:33	1

Client Sample ID: MW101-SB-13_10

Lab Sample ID: 460-358881-6

Date Collected: 09/02/26 14:15
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**0.0045**		0.0010	0.00025	mg/Kg	☼	09/03/26 17:30	09/09/26 14:36	1
1,3,5-Trimethylbenzene	**0.0054**		0.0010	0.00031	mg/Kg	☼	09/03/26 17:30	09/09/26 14:36	1
Benzene	**0.049**		0.0010	0.00057	mg/Kg	☼	09/03/26 17:30	09/09/26 14:36	1
Ethylbenzene	**0.0059**		0.0010	0.00047	mg/Kg	☼	09/03/26 17:30	09/09/26 14:36	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	09/03/26 17:30	09/09/26 14:36	1
Toluene	**0.0056**		0.0010	0.00023	mg/Kg	☼	09/03/26 17:30	09/09/26 14:36	1
Xylenes, Total	**0.017**		0.0020	0.00042	mg/Kg	☼	09/03/26 17:30	09/09/26 14:36	1
Total BTEX	**0.078**		0.0060	0.0012	mg/Kg	☼	09/03/26 17:30	09/09/26 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*275*	*	*65 - 138*	*09/03/26 17:30*	*09/09/26 14:36*	*1*
4-Bromofluorobenzene	*127*		*71 - 128*	*09/03/26 17:30*	*09/09/26 14:36*	*1*
Dibromofluoromethane (Surr)	*29*	*	*65 - 139*	*09/03/26 17:30*	*09/09/26 14:36*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*	*09/03/26 17:30*	*09/09/26 14:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.058**		0.040	0.0037	mg/Kg	☼	09/03/26 21:35	09/04/26 14:23	1
Naphthalene	0.40	U	0.40	0.0032	mg/Kg	☼	09/03/26 21:35	09/04/26 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*14 - 104*	*09/03/26 21:35*	*09/04/26 14:23*	*1*
2-Fluorobiphenyl	*76*		*29 - 104*	*09/03/26 21:35*	*09/04/26 14:23*	*1*
2-Fluorophenol (Surr)	*73*		*22 - 99*	*09/03/26 21:35*	*09/04/26 14:23*	*1*
Nitrobenzene-d5 (Surr)	*74*		*26 - 97*	*09/03/26 21:35*	*09/04/26 14:23*	*1*
Phenol-d5 (Surr)	*73*		*25 - 95*	*09/03/26 21:35*	*09/04/26 14:23*	*1*
Terphenyl-d14 (Surr)	*85*		*29 - 104*	*09/03/26 21:35*	*09/04/26 14:23*	*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)	0.38	U	0.38	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluoropentanoic acid (PFPeA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorooctanoic acid (PFOA)	0.19	U	0.19	0.058	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorononanoic acid (PFNA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.058	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluoroundecanoic acid (PFUnA)	**0.18**	**J**	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorotridecanoic acid (PFTrDA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1

Client Sample ID: MW101-SB-13_10
Date Collected: 09/02/26 14:15
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-6
Matrix: Solid
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.38	U	0.38	0.19	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.38	U	0.38	0.19	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.34**	**J**	0.38	0.19	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.96	U	0.96	0.48	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.96	U	0.96	0.48	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	0.19	0.096	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.38	U	0.38	0.19	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.96	U	0.96	0.48	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.96	U	0.96	0.48	ug/Kg	☼	09/07/26 04:14	09/10/26 21:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.2*		*8 - 130*	*09/07/26 04:14*	*09/10/26 21:00*	*1*
13C5 PFPeA	*91.0*		*35 - 130*	*09/07/26 04:14*	*09/10/26 21:00*	*1*

Client Sample ID: MW101-SB-13_10
Date Collected: 09/02/26 14:15
Date Received: 09/02/26 16:30

Lab Sample ID: 460-358881-6
Matrix: Solid
Percent Solids: 82.9

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	95.2		40 - 130	09/07/26 04:14	09/10/26 21:00	1
13C4 PFHpA	93.6		40 - 130	09/07/26 04:14	09/10/26 21:00	1
13C8 PFOA	87.9		40 - 130	09/07/26 04:14	09/10/26 21:00	1
13C9 PFNA	90.5		40 - 130	09/07/26 04:14	09/10/26 21:00	1
13C6 PFDA	91.0		40 - 130	09/07/26 04:14	09/10/26 21:00	1
13C7 PFUnA	87.2		40 - 130	09/07/26 04:14	09/10/26 21:00	1
13C2 PFTeDA	77.6		20 - 130	09/07/26 04:14	09/10/26 21:00	1
13C3 PFBS	91.7		40 - 135	09/07/26 04:14	09/10/26 21:00	1
13C3 PFHxS	89.9		40 - 130	09/07/26 04:14	09/10/26 21:00	1
13C8 PFOS	85.8		40 - 130	09/07/26 04:14	09/10/26 21:00	1
13C8 FOSA	96.7		40 - 130	09/07/26 04:14	09/10/26 21:00	1
d3-NMeFOSAA	67.6		40 - 135	09/07/26 04:14	09/10/26 21:00	1
d5-NEtFOSAA	61.5		40 - 150	09/07/26 04:14	09/10/26 21:00	1
13C2 4:2 FTS	82.5		40 - 165	09/07/26 04:14	09/10/26 21:00	1
13C2 6:2 FTS	88.8		40 - 215	09/07/26 04:14	09/10/26 21:00	1
13C2 8:2 FTS	99.3		40 - 275	09/07/26 04:14	09/10/26 21:00	1
13C3 HFPO-DA	82.7		40 - 130	09/07/26 04:14	09/10/26 21:00	1
d7-N-MeFOSE-M	62.6		20 - 130	09/07/26 04:14	09/10/26 21:00	1
d9-N-EtFOSE-M	59.5		15 - 130	09/07/26 04:14	09/10/26 21:00	1
d5-NEtPFOSA	76.8		10 - 130	09/07/26 04:14	09/10/26 21:00	1
d3-NMePFOSA	78.7		10 - 130	09/07/26 04:14	09/10/26 21:00	1
13C2 PFDoA	80.5		40 - 130	09/07/26 04:14	09/10/26 21:00	1
13C3-3:3 FTCA	102		20 - 150	09/07/26 04:14	09/10/26 21:00	1
13C3-5:3 FTCA	92.0		20 - 150	09/07/26 04:14	09/10/26 21:00	1
13C3-PFDoS	74.9		20 - 150	09/07/26 04:14	09/10/26 21:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	23.7		3.0	1.0	mg/Kg	☼	09/04/26 13:47	09/06/26 11:47	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	17.1		1.0	1.0	%			09/03/26 19:33	1
Percent Solids (EPA Moisture)	82.9		1.0	1.0	%			09/03/26 19:33	1

Surrogate Summary

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

Job ID: 460-358881-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(65-139)	(71-126)
460-358881-1	MW101-SB-12_5	315 *	170 *	22 *	97
460-358881-2	MW101-SB-12_9	102	131 *	95	93
460-358881-3	MW101-SB-11_5	91	119	84	109
460-358881-4	MW101-SB-11_10	99	146 *	57 *	121
460-358881-5	MW101-SB-13_5	104	113	83	103
460-358881-6	MW101-SB-13_10	275 *	127	29 *	105
LCS 460-1130090/3	Lab Control Sample	91	114	90	110
LCS 460-1130363/3	Lab Control Sample	89	108	85	106
LCS 460-1130565/3	Lab Control Sample	87	110	87	104
LCSD 460-1130090/4	Lab Control Sample Dup	91	114	89	109
LCSD 460-1130363/4	Lab Control Sample Dup	89	108	85	106
LCSD 460-1130565/4	Lab Control Sample Dup	86	110	87	104
MB 460-1130090/7	Method Blank	92	112	95	109
MB 460-1130363/7	Method Blank	84	109	85	105
MB 460-1130565/7	Method Blank	88	109	90	103

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(14-104)	(29-104)	(22-99)	(26-97)	(25-95)	(29-104)
460-358878-D-6-G MS	Matrix Spike	42	49	67	96	64	68
460-358878-D-6-H MSD	Matrix Spike Duplicate	41	45	48	70	49	60
460-358881-1	MW101-SB-12_5	71	81	75	79	77	86
460-358881-2	MW101-SB-12_9	76	80	76	77	78	87
460-358881-3	MW101-SB-11_5	75	77	77	76	78	86
460-358881-4	MW101-SB-11_10	76	79	76	75	75	85
460-358881-5	MW101-SB-13_5	75	79	76	76	78	83
460-358881-6	MW101-SB-13_10	72	76	73	74	73	85
LCS 460-1129837/2-A	Lab Control Sample	85	84	87	86	87	90
LCSD 460-1129837/3-A	Lab Control Sample Dup	76	74	75	75	77	80
MB 460-1129837/1-A	Method Blank	81	82	83	82	83	91

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)

Isotope Dilution Summary

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

Job ID: 460-358881-1

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)
460-358881-1	MW101-SB-12_5	91.5	66.5	81.5	73.4	85.9	89.7	96.0	92.1
460-358881-2	MW101-SB-12_9	75.4	76.7	77.0	78.4	78.7	81.2	78.8	73.6
460-358881-3	MW101-SB-11_5	106	85.7	90.3	86.7	96.3	103	110	104
460-358881-4	MW101-SB-11_10	96.8	99.8	102	99.6	92.4	87.7	88.8	77.9
460-358881-5	MW101-SB-13_5	101	87.3	90.0	89.1	97.8	95.2	98.6	95.3
460-358881-6	MW101-SB-13_10	91.2	91.0	95.2	93.6	87.9	90.5	91.0	87.2
460-358881-6 MS	MW101-SB-13_10	105	108	106	108	99.3	102	100	96.4
460-358881-6 MSD	MW101-SB-13_10	116	118	118	114	110	108	109	95.6
LCS 410-881395/2-A	Lab Control Sample	91.8	94.3	93.7	90.4	86.0	87.6	87.8	83.2
LLCS 410-881395/3-A	Lab Control Sample	86.9	94.3	93.1	90.5	86.3	85.7	80.3	72.7
MB 410-881395/1-A	Method Blank	83.7	87.0	86.8	84.8	80.8	78.0	80.5	72.6

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)
460-358881-1	MW101-SB-12_5	108	97.9	94.7	98.9	130	214 *	174 *	371 *
460-358881-2	MW101-SB-12_9	85.2	78.5	78.7	85.1	111	65.0	60.5	59.4
460-358881-3	MW101-SB-11_5	116	115	112	110	154 *	205 *	170 *	385 *
460-358881-4	MW101-SB-11_10	54.3	93.6	87.9	87.6	103	65.8	58.2	76.5
460-358881-5	MW101-SB-13_5	83.6	100	92.4	97.5	143 *	132	112	198 *
460-358881-6	MW101-SB-13_10	77.6	91.7	89.9	85.8	96.7	67.6	61.5	82.5
460-358881-6 MS	MW101-SB-13_10	82.3	104	101	101	117	81.9	68.2	98.3
460-358881-6 MSD	MW101-SB-13_10	71.3	110	103	103	120	77.0	66.8	90.8
LCS 410-881395/2-A	Lab Control Sample	70.0	90.5	86.7	87.3	94.7	64.5	54.4	71.2
LLCS 410-881395/3-A	Lab Control Sample	56.4	88.4	83.3	80.1	92.1	61.0	53.7	69.8
MB 410-881395/1-A	Method Blank	62.1	86.0	82.5	84.7	80.3	56.9	50.6	67.2

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)	PFDoA (40-130)
460-358881-1	MW101-SB-12_5	397 *	348 *	78.6	67.7	58.3	63.2	75.6	104
460-358881-2	MW101-SB-12_9	71.1	106	69.4	64.8	60.8	70.4	79.6	71.0
460-358881-3	MW101-SB-11_5	387 *	317 *	89.2	77.9	68.9	85.3	97.2	112
460-358881-4	MW101-SB-11_10	83.0	95.2	88.0	53.1	46.0	71.9	80.5	65.7
460-358881-5	MW101-SB-13_5	178	195	83.4	89.4	75.1	87.3	96.7	89.2
460-358881-6	MW101-SB-13_10	88.8	99.3	82.7	62.6	59.5	76.8	78.7	80.5
460-358881-6 MS	MW101-SB-13_10	98.4	114	94.9	54.2	51.6	88.2	90.4	85.7
460-358881-6 MSD	MW101-SB-13_10	91.2	117	104	61.0	52.5	86.0	91.2	79.1
LCS 410-881395/2-A	Lab Control Sample	73.0	101	81.1	54.0	49.3	69.1	71.2	74.2
LLCS 410-881395/3-A	Lab Control Sample	72.2	96.9	82.0	51.0	44.0	64.0	67.5	65.7
MB 410-881395/1-A	Method Blank	69.6	86.1	73.9	45.4	41.3	56.0	60.2	66.1

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C3-3:3 FTCA (20-150)	C3-5:3 FTCA (20-150)	PFDoS (20-150)
460-358881-1	MW101-SB-12_5	89.5	108	89.6
460-358881-2	MW101-SB-12_9	79.7	84.1	74.3
460-358881-3	MW101-SB-11_5	99.8	119	102
460-358881-4	MW101-SB-11_10	108	96.4	51.9
460-358881-5	MW101-SB-13_5	98.6	93.6	81.9
460-358881-6	MW101-SB-13_10	102	92.0	74.9
460-358881-6 MS	MW101-SB-13_10	116	109	85.1

Isotope Dilution Summary

Client: Haley & Aldrich Inc
Job ID: 460-358881-1
Project/Site: Former Port Mobil

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

Matrix: Solid
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)								
		C3-3:3 FTCA	C3-5:3 FTCA	PFDoS						
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)						
460-358881-6 MSD	MW101-SB-13_10	125	116	72.2						
LCS 410-881395/2-A	Lab Control Sample	99.5	92.6	67.2						
LLCS 410-881395/3-A	Lab Control Sample	100	92.0	60.4						
MB 410-881395/1-A	Method Blank	91.9	85.2	63.7						

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
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
C3-3:3 FTCA = 13C3-3:3 FTCA
C3-5:3 FTCA = 13C3-5:3 FTCA
PFDoS = 13C3-PFDoS

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

Lab Sample ID: MB 460-1130090/7
Matrix: Solid
Analysis Batch: 1130090

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			09/05/26 07:53	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			09/05/26 07:53	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			09/05/26 07:53	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			09/05/26 07:53	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			09/05/26 07:53	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			09/05/26 07:53	1
Xylenes, Total	0.0020	U	0.0020	0.00042	mg/Kg			09/05/26 07:53	1
Total BTEX	0.0060	U	0.0060	0.0012	mg/Kg			09/05/26 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*		*09/05/26 07:53*	*1*
4-Bromofluorobenzene	*112*		*71 - 128*		*09/05/26 07:53*	*1*
Dibromofluoromethane (Surr)	*95*		*65 - 139*		*09/05/26 07:53*	*1*
Toluene-d8 (Surr)	*109*		*71 - 126*		*09/05/26 07:53*	*1*

Lab Sample ID: LCS 460-1130090/3
Matrix: Solid
Analysis Batch: 1130090

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,4-Trimethylbenzene			0.0200	0.0217		mg/Kg		109	75 - 120		
1,3,5-Trimethylbenzene			0.0200	0.0217		mg/Kg		109	70 - 120		
Benzene			0.0200	0.0202		mg/Kg		101	75 - 120		
Ethylbenzene			0.0200	0.0196		mg/Kg		98	80 - 120		
Methyl tert-butyl ether			0.0200	0.0176		mg/Kg		88	74 - 125		
Toluene			0.0200	0.0195		mg/Kg		98	80 - 120		
Xylenes, Total			0.0400	0.0410		mg/Kg		103	80 - 120		
Total BTEX			0.100	0.100		mg/Kg		100	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*
4-Bromofluorobenzene	*114*		*71 - 128*
Dibromofluoromethane (Surr)	*90*		*65 - 139*
Toluene-d8 (Surr)	*110*		*71 - 126*

Lab Sample ID: LCSD 460-1130090/4
Matrix: Solid
Analysis Batch: 1130090

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
1,2,4-Trimethylbenzene			0.0200	0.0226		mg/Kg		113	75 - 120	4	30
1,3,5-Trimethylbenzene			0.0200	0.0228		mg/Kg		114	70 - 120	5	30
Benzene			0.0200	0.0208		mg/Kg		104	75 - 120	3	30
Ethylbenzene			0.0200	0.0207		mg/Kg		103	80 - 120	5	30
Methyl tert-butyl ether			0.0200	0.0184		mg/Kg		92	74 - 125	4	30
Toluene			0.0200	0.0202		mg/Kg		101	80 - 120	3	30
Xylenes, Total			0.0400	0.0423		mg/Kg		106	80 - 120	3	30
Total BTEX			0.100	0.104		mg/Kg		104	80 - 120	4	30

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*
4-Bromofluorobenzene	*114*		*71 - 128*
Dibromofluoromethane (Surr)	*89*		*65 - 139*
Toluene-d8 (Surr)	*109*		*71 - 126*

Lab Sample ID: MB 460-1130363/7
Matrix: Solid
Analysis Batch: 1130363

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			09/08/26 12:38	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			09/08/26 12:38	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			09/08/26 12:38	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			09/08/26 12:38	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			09/08/26 12:38	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			09/08/26 12:38	1
Xylenes, Total	0.0020	U	0.0020	0.00042	mg/Kg			09/08/26 12:38	1
Total BTEX	0.0060	U	0.0060	0.0012	mg/Kg			09/08/26 12:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*84*		*65 - 138*		*09/08/26 12:38*	*1*
4-Bromofluorobenzene	*109*		*71 - 128*		*09/08/26 12:38*	*1*
Dibromofluoromethane (Surr)	*85*		*65 - 139*		*09/08/26 12:38*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*09/08/26 12:38*	*1*

Lab Sample ID: LCS 460-1130363/3
Matrix: Solid
Analysis Batch: 1130363

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	0.0200	0.0227		mg/Kg		114	75 - 120
1,3,5-Trimethylbenzene	0.0200	0.0227		mg/Kg		113	70 - 120
Benzene	0.0200	0.0218		mg/Kg		109	75 - 120
Ethylbenzene	0.0200	0.0204		mg/Kg		102	80 - 120
Methyl tert-butyl ether	0.0200	0.0193		mg/Kg		97	74 - 125
Toluene	0.0200	0.0208		mg/Kg		104	80 - 120
Xylenes, Total	0.0400	0.0428		mg/Kg		107	80 - 120
Total BTEX	0.100	0.106		mg/Kg		106	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*
4-Bromofluorobenzene	*108*		*71 - 128*
Dibromofluoromethane (Surr)	*85*		*65 - 139*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: LCSD 460-1130363/4
Matrix: Solid
Analysis Batch: 1130363

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
1,2,4-Trimethylbenzene	0.0200	0.0180		mg/Kg		90	75 - 120	23	30

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

Lab Sample ID: LCSD 460-1130363/4
Matrix: Solid
Analysis Batch: 1130363

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
1,3,5-Trimethylbenzene			0.0200	0.0180		mg/Kg		90	70 - 120	23	30
Benzene			0.0200	0.0174		mg/Kg		87	75 - 120	22	30
Ethylbenzene			0.0200	0.0165		mg/Kg		83	80 - 120	21	30
Methyl tert-butyl ether			0.0200	0.0152		mg/Kg		76	74 - 125	24	30
Toluene			0.0200	0.0169		mg/Kg		85	80 - 120	21	30
Xylenes, Total			0.0400	0.0344		mg/Kg		86	80 - 120	22	30
Total BTEX			0.100	0.0853		mg/Kg		85	80 - 120	21	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*
4-Bromofluorobenzene	*108*		*71 - 128*
Dibromofluoromethane (Surr)	*85*		*65 - 139*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: MB 460-1130565/7
Matrix: Solid
Analysis Batch: 1130565

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			09/09/26 11:54	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			09/09/26 11:54	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			09/09/26 11:54	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			09/09/26 11:54	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			09/09/26 11:54	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			09/09/26 11:54	1
Xylenes, Total	0.0020	U	0.0020	0.00042	mg/Kg			09/09/26 11:54	1
Total BTEX	0.0060	U	0.0060	0.0012	mg/Kg			09/09/26 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*65 - 138*		*09/09/26 11:54*	*1*
4-Bromofluorobenzene	*109*		*71 - 128*		*09/09/26 11:54*	*1*
Dibromofluoromethane (Surr)	*90*		*65 - 139*		*09/09/26 11:54*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*09/09/26 11:54*	*1*

Lab Sample ID: LCS 460-1130565/3
Matrix: Solid
Analysis Batch: 1130565

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene			0.0200	0.0212		mg/Kg		106	75 - 120
1,3,5-Trimethylbenzene			0.0200	0.0211		mg/Kg		105	70 - 120
Benzene			0.0200	0.0198		mg/Kg		99	75 - 120
Ethylbenzene			0.0200	0.0188		mg/Kg		94	80 - 120
Methyl tert-butyl ether			0.0200	0.0181		mg/Kg		91	74 - 125
Toluene			0.0200	0.0192		mg/Kg		96	80 - 120
Xylenes, Total			0.0400	0.0397		mg/Kg		99	80 - 120
Total BTEX			0.100	0.0974		mg/Kg		97	80 - 120

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

Lab Sample ID: LCS 460-1130565/3
Matrix: Solid
Analysis Batch: 1130565

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*87*		*65 - 138*
4-Bromofluorobenzene	*110*		*71 - 128*
Dibromofluoromethane (Surr)	*87*		*65 - 139*
Toluene-d8 (Surr)	*104*		*71 - 126*

Lab Sample ID: LCSD 460-1130565/4
Matrix: Solid
Analysis Batch: 1130565

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
1,2,4-Trimethylbenzene			0.0200	0.0216		mg/Kg		108	75 - 120	2	30
1,3,5-Trimethylbenzene			0.0200	0.0217		mg/Kg		109	70 - 120	3	30
Benzene			0.0200	0.0204		mg/Kg		102	75 - 120	3	30
Ethylbenzene			0.0200	0.0196		mg/Kg		98	80 - 120	4	30
Methyl tert-butyl ether			0.0200	0.0179		mg/Kg		89	74 - 125	1	30
Toluene			0.0200	0.0199		mg/Kg		99	80 - 120	4	30
Xylenes, Total			0.0400	0.0409		mg/Kg		102	80 - 120	3	30
Total BTEX			0.100	0.101		mg/Kg		101	80 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*86*		*65 - 138*
4-Bromofluorobenzene	*110*		*71 - 128*
Dibromofluoromethane (Surr)	*87*		*65 - 139*
Toluene-d8 (Surr)	*104*		*71 - 126*

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

Lab Sample ID: MB 460-1129837/1-A
Matrix: Solid
Analysis Batch: 1129900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1129837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.033	U	0.033	0.0031	mg/Kg		09/03/26 21:35	09/04/26 09:51	1
Naphthalene	0.33	U	0.33	0.0026	mg/Kg		09/03/26 21:35	09/04/26 09:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*81*		*14 - 104*	*09/03/26 21:35*	*09/04/26 09:51*	*1*
2-Fluorobiphenyl	*82*		*29 - 104*	*09/03/26 21:35*	*09/04/26 09:51*	*1*
2-Fluorophenol (Surr)	*83*		*22 - 99*	*09/03/26 21:35*	*09/04/26 09:51*	*1*
Nitrobenzene-d5 (Surr)	*82*		*26 - 97*	*09/03/26 21:35*	*09/04/26 09:51*	*1*
Phenol-d5 (Surr)	*83*		*25 - 95*	*09/03/26 21:35*	*09/04/26 09:51*	*1*
Terphenyl-d14 (Surr)	*91*		*29 - 104*	*09/03/26 21:35*	*09/04/26 09:51*	*1*

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

Lab Sample ID: LCS 460-1129837/2-A
Matrix: Solid
Analysis Batch: 1129900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1129837

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene			3.33	3.15		mg/Kg		95	66 - 120		
Naphthalene			3.33	3.10		mg/Kg		93	63 - 113		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*14 - 104*
2-Fluorobiphenyl	*84*		*29 - 104*
2-Fluorophenol (Surr)	*87*		*22 - 99*
Nitrobenzene-d5 (Surr)	*86*		*26 - 97*
Phenol-d5 (Surr)	*87*		*25 - 95*
Terphenyl-d14 (Surr)	*90*		*29 - 104*

Lab Sample ID: LCSD 460-1129837/3-A
Matrix: Solid
Analysis Batch: 1129900

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1129837

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene			3.33	2.76		mg/Kg		83	66 - 120	13	30
Naphthalene			3.33	2.68		mg/Kg		80	63 - 113	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*14 - 104*
2-Fluorobiphenyl	*74*		*29 - 104*
2-Fluorophenol (Surr)	*75*		*22 - 99*
Nitrobenzene-d5 (Surr)	*75*		*26 - 97*
Phenol-d5 (Surr)	*77*		*25 - 95*
Terphenyl-d14 (Surr)	*80*		*29 - 104*

Lab Sample ID: 460-358878-D-6-G MS
Matrix: Solid
Analysis Batch: 1129900

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1129837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene	290	E	11.0	414	E *	mg/Kg	☼	1122	66 - 120		
Naphthalene	1300	E	11.0	1880	E *	mg/Kg	☼	4955	63 - 113		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*42*		*14 - 104*
2-Fluorobiphenyl	*49*		*29 - 104*
2-Fluorophenol (Surr)	*67*		*22 - 99*
Nitrobenzene-d5 (Surr)	*96*		*26 - 97*
Phenol-d5 (Surr)	*64*		*25 - 95*
Terphenyl-d14 (Surr)	*68*		*29 - 104*

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

Lab Sample ID: 460-358878-D-6-H MSD
Matrix: Solid
Analysis Batch: 1129900

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1129837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene	290	E	11.0	320	E *	mg/Kg	☼	274	66 - 120	25	30
Naphthalene	1300	E	11.0	1340	E *	mg/Kg	☼	20	63 - 113	34	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*41*		*14 - 104*
2-Fluorobiphenyl	*45*		*29 - 104*
2-Fluorophenol (Surr)	*48*		*22 - 99*
Nitrobenzene-d5 (Surr)	*70*		*26 - 97*
Phenol-d5 (Surr)	*49*		*25 - 95*
Terphenyl-d14 (Surr)	*60*		*29 - 104*

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

Lab Sample ID: MB 410-881395/1-A
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 881395

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		09/07/26 04:14	09/10/26 19:12	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.060	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.060	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1

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

Lab Sample ID: MB 410-881395/1-A
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 881395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.00	U	1.00	0.50	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.00	U	1.00	0.50	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.00	U	1.00	0.50	ug/Kg		09/07/26 04:14	09/10/26 19:12	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.00	U	1.00	0.50	ug/Kg		09/07/26 04:14	09/10/26 19:12	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83.7*		*8 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C5 PFPeA	*87.0*		*35 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C5 PFHxA	*86.8*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C4 PFHpA	*84.8*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C8 PFOA	*80.8*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C9 PFNA	*78.0*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C6 PFDA	*80.5*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C7 PFUnA	*72.6*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C2 PFTeDA	*62.1*		*20 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C3 PFBS	*86.0*		*40 - 135*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C3 PFHxS	*82.5*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C8 PFOS	*84.7*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C8 FOSA	*80.3*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
d3-NMeFOSAA	*56.9*		*40 - 135*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
d5-NEtFOSAA	*50.6*		*40 - 150*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C2 4:2 FTS	*67.2*		*40 - 165*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C2 6:2 FTS	*69.6*		*40 - 215*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C2 8:2 FTS	*86.1*		*40 - 275*	*09/07/26 04:14*	*09/10/26 19:12*	*1*
13C3 HFPO-DA	*73.9*		*40 - 130*	*09/07/26 04:14*	*09/10/26 19:12*	*1*

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

Lab Sample ID: MB 410-881395/1-A
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 881395

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	45.4		20 - 130	09/07/26 04:14	09/10/26 19:12	1
d9-N-EtFOSE-M	41.3		15 - 130	09/07/26 04:14	09/10/26 19:12	1
d5-NEtPFOSA	56.0		10 - 130	09/07/26 04:14	09/10/26 19:12	1
d3-NMePFOSA	60.2		10 - 130	09/07/26 04:14	09/10/26 19:12	1
13C2 PFDoA	66.1		40 - 130	09/07/26 04:14	09/10/26 19:12	1
13C3-3:3 FTCA	91.9		20 - 150	09/07/26 04:14	09/10/26 19:12	1
13C3-5:3 FTCA	85.2		20 - 150	09/07/26 04:14	09/10/26 19:12	1
13C3-PFDoS	63.7		20 - 150	09/07/26 04:14	09/10/26 19:12	1

Lab Sample ID: LCS 410-881395/2-A
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881395

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	5.092		ug/Kg		102	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.330		ug/Kg		93	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.459		ug/Kg		98	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.488		ug/Kg		100	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.649		ug/Kg		106	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.409		ug/Kg		96	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.486		ug/Kg		99	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.50	2.533		ug/Kg		101	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.519		ug/Kg		101	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.264		ug/Kg		91	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.390		ug/Kg		96	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.184		ug/Kg		98	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.425		ug/Kg		103	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.177		ug/Kg		95	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.455		ug/Kg		103	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.339		ug/Kg		101	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	2.215		ug/Kg		92	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.41	2.247		ug/Kg		93	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.319		ug/Kg		96	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.557		ug/Kg		97	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	5.176		ug/Kg		109	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.819		ug/Kg		100	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.178		ug/Kg		87	70 - 140

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

Lab Sample ID: LCS 410-881395/2-A
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881395

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
N-methylperfluorooctane sulfonamide (NMeFOSA)			2.50	2.461		ug/Kg		98	70 - 155		
N-ethylperfluorooctane sulfonamide (NEtFOSA)			2.50	2.394		ug/Kg		96	70 - 140		
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			2.50	2.205		ug/Kg		88	65 - 155		
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			2.50	2.464		ug/Kg		99	65 - 165		
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)			12.5	12.62		ug/Kg		101	70 - 140		
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)			12.5	12.62		ug/Kg		101	70 - 135		
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)			1.88	1.949		ug/Kg		104	70 - 145		
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			2.37	2.431		ug/Kg		103	70 - 160		
Perfluoro-3-methoxypropanoic acid (PFMPA)			2.50	2.463		ug/Kg		99	30 - 140		
Perfluoro-4-methoxybutanoic acid (PFMBA)			2.50	2.378		ug/Kg		95	60 - 150		
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)			2.50	2.469		ug/Kg		99	60 - 155		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			2.34	2.248		ug/Kg		96	70 - 150		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			2.36	2.163		ug/Kg		92	45 - 160		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			2.23	2.097		ug/Kg		94	70 - 140		
3-Perfluoropropylpropanoic acid (3:3 FTCA)			5.00	4.201		ug/Kg		84	45 - 130		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			12.5	12.24		ug/Kg		98	60 - 130		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			12.5	11.56		ug/Kg		93	60 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*91.8*		*8 - 130*
13C5 PFPeA	*94.3*		*35 - 130*
13C5 PFHxA	*93.7*		*40 - 130*
13C4 PFHpA	*90.4*		*40 - 130*
13C8 PFOA	*86.0*		*40 - 130*
13C9 PFNA	*87.6*		*40 - 130*
13C6 PFDA	*87.8*		*40 - 130*
13C7 PFUnA	*83.2*		*40 - 130*
13C2 PFTeDA	*70.0*		*20 - 130*
13C3 PFBS	*90.5*		*40 - 135*
13C3 PFHxS	*86.7*		*40 - 130*
13C8 PFOS	*87.3*		*40 - 130*
13C8 FOSA	*94.7*		*40 - 130*
d3-NMeFOSAA	*64.5*		*40 - 135*
d5-NEtFOSAA	*54.4*		*40 - 150*

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

Lab Sample ID: LCS 410-881395/2-A
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881395

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 4:2 FTS	71.2		40 - 165
13C2 6:2 FTS	73.0		40 - 215
13C2 8:2 FTS	101		40 - 275
13C3 HFPO-DA	81.1		40 - 130
d7-N-MeFOSE-M	54.0		20 - 130
d9-N-EtFOSE-M	49.3		15 - 130
d5-NEtPFOSA	69.1		10 - 130
d3-NMePFOSA	71.2		10 - 130
13C2 PFDoA	74.2		40 - 130
13C3-3:3 FTCA	99.5		20 - 150
13C3-5:3 FTCA	92.6		20 - 150
13C3-PFDoS	67.2		20 - 150

Lab Sample ID: LLCS 410-881395/3-A
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881395

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.509		ug/Kg		102	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.235		ug/Kg		94	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.265		ug/Kg		106	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.258		ug/Kg		103	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.259		ug/Kg		104	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.222		ug/Kg		89	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.249		ug/Kg		99	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.253		ug/Kg		101	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.252		ug/Kg		101	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.247		ug/Kg		99	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.243		ug/Kg		97	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.240		ug/Kg		108	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.217		ug/Kg		93	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.260		ug/Kg		114	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.262		ug/Kg		110	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.275		ug/Kg		118	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.238		ug/Kg		99	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.249		ug/Kg		103	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.244		ug/Kg		101	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.460		ug/Kg		98	60 - 150

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

Lab Sample ID: LLCS 410-881395/3-A
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881395

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.514		ug/Kg		108	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.475		ug/Kg		99	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.232		ug/Kg		93	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.243		ug/Kg		97	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.233		ug/Kg		93	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.242		ug/Kg		97	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.287		ug/Kg		115	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.360		ug/Kg		109	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.318		ug/Kg		105	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.215		ug/Kg		115	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.224		ug/Kg		95	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.249		ug/Kg		100	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.230		ug/Kg		92	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.270		ug/Kg		108	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.249		ug/Kg		107	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.226		ug/Kg		96	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.221		ug/Kg		99	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.512		ug/Kg		102	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.347		ug/Kg		108	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	1.365		ug/Kg		109	60 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*86.9*		*8 - 130*
13C5 PFPeA	*94.3*		*35 - 130*
13C5 PFHxA	*93.1*		*40 - 130*
13C4 PFHpA	*90.5*		*40 - 130*
13C8 PFOA	*86.3*		*40 - 130*
13C9 PFNA	*85.7*		*40 - 130*
13C6 PFDA	*80.3*		*40 - 130*
13C7 PFUnA	*72.7*		*40 - 130*
13C2 PFTeDA	*56.4*		*20 - 130*
13C3 PFBS	*88.4*		*40 - 135*

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

Lab Sample ID: LLCS 410-881395/3-A
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881395

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C3 PFHxS	83.3		40 - 130
13C8 PFOS	80.1		40 - 130
13C8 FOSA	92.1		40 - 130
d3-NMeFOSAA	61.0		40 - 135
d5-NEtFOSAA	53.7		40 - 150
13C2 4:2 FTS	69.8		40 - 165
13C2 6:2 FTS	72.2		40 - 215
13C2 8:2 FTS	96.9		40 - 275
13C3 HFPO-DA	82.0		40 - 130
d7-N-MeFOSE-M	51.0		20 - 130
d9-N-EtFOSE-M	44.0		15 - 130
d5-NEtPFOSA	64.0		10 - 130
d3-NMePFOSA	67.5		10 - 130
13C2 PFDoA	65.7		40 - 130
13C3-3:3 FTCA	100		20 - 150
13C3-5:3 FTCA	92.0		20 - 150
13C3-PFDoS	60.4		20 - 150

Lab Sample ID: 460-358881-6 MS
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: MW101-SB-13_10
Prep Type: Total/NA
Prep Batch: 881395

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.38	U	4.96	5.362		ug/Kg	☼	108	70 - 140
Perfluoropentanoic acid (PFPeA)	0.19	U	2.48	2.377		ug/Kg	☼	96	60 - 150
Perfluorohexanoic acid (PFHxA)	0.19	U	2.48	2.646		ug/Kg	☼	107	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.19	U	2.48	2.517		ug/Kg	☼	101	65 - 145
Perfluorooctanoic acid (PFOA)	0.19	U	2.48	2.710		ug/Kg	☼	109	70 - 150
Perfluorononanoic acid (PFNA)	0.19	U	2.48	2.635		ug/Kg	☼	106	70 - 155
Perfluorodecanoic acid (PFDA)	0.19	U	2.48	2.635		ug/Kg	☼	106	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.18	J	2.48	2.872		ug/Kg	☼	108	70 - 155
Perfluorododecanoic acid (PFDoA)	0.19	U	2.48	2.682		ug/Kg	☼	108	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.19	U	2.48	2.510		ug/Kg	☼	101	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	2.48	2.486		ug/Kg	☼	100	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.19	U	2.20	2.389		ug/Kg	☼	108	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	2.33	2.500		ug/Kg	☼	107	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	2.26	2.351		ug/Kg	☼	104	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	2.37	2.602		ug/Kg	☼	110	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.19	U	2.31	2.414		ug/Kg	☼	105	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.19	U	2.39	2.267		ug/Kg	☼	95	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.19	U	2.39	2.480		ug/Kg	☼	104	40 - 155

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

Lab Sample ID: 460-358881-6 MS
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: MW101-SB-13_10
Prep Type: Total/NA
Prep Batch: 881395

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	2.41	2.402		ug/Kg	☼	100	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.38	U	4.66	4.770		ug/Kg	☼	102	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.38	U	4.73	4.919		ug/Kg	☼	104	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.34	J	4.76	5.428		ug/Kg	☼	107	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.19	U	2.48	2.234		ug/Kg	☼	90	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	2.48	2.586		ug/Kg	☼	104	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	2.48	2.451		ug/Kg	☼	99	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	2.48	2.332		ug/Kg	☼	94	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	2.48	2.553		ug/Kg	☼	103	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.96	U	12.4	13.18		ug/Kg	☼	106	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.96	U	12.4	12.72		ug/Kg	☼	103	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	1.86	1.922		ug/Kg	☼	103	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	2.35	2.457		ug/Kg	☼	105	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	2.48	2.502		ug/Kg	☼	101	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	2.48	2.411		ug/Kg	☼	97	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	2.48	2.547		ug/Kg	☼	103	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	2.32	2.465		ug/Kg	☼	106	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	2.34	2.247		ug/Kg	☼	96	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	2.21	2.160		ug/Kg	☼	98	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.38	U	4.96	4.768		ug/Kg	☼	96	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.96	U	12.4	11.66		ug/Kg	☼	94	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.96	U	12.4	12.74		ug/Kg	☼	103	60 - 150

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*105*		*8 - 130*
13C5 PFPeA	*108*		*35 - 130*
13C5 PFHxA	*106*		*40 - 130*
13C4 PFHpA	*108*		*40 - 130*
13C8 PFOA	*99.3*		*40 - 130*
13C9 PFNA	*102*		*40 - 130*

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

Lab Sample ID: 460-358881-6 MS
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: MW101-SB-13_10
Prep Type: Total/NA
Prep Batch: 881395

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C6 PFDA	100		40 - 130
13C7 PFUnA	96.4		40 - 130
13C2 PFTeDA	82.3		20 - 130
13C3 PFBS	104		40 - 135
13C3 PFHxS	101		40 - 130
13C8 PFOS	101		40 - 130
13C8 FOSA	117		40 - 130
d3-NMeFOSAA	81.9		40 - 135
d5-NEtFOSAA	68.2		40 - 150
13C2 4:2 FTS	98.3		40 - 165
13C2 6:2 FTS	98.4		40 - 215
13C2 8:2 FTS	114		40 - 275
13C3 HFPO-DA	94.9		40 - 130
d7-N-MeFOSE-M	54.2		20 - 130
d9-N-EtFOSE-M	51.6		15 - 130
d5-NEtPFOSA	88.2		10 - 130
d3-NMePFOSA	90.4		10 - 130
13C2 PFDoA	85.7		40 - 130
13C3-3:3 FTCA	116		20 - 150
13C3-5:3 FTCA	109		20 - 150
13C3-PFDoS	85.1		20 - 150

Lab Sample ID: 460-358881-6 MSD
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: MW101-SB-13_10
Prep Type: Total/NA
Prep Batch: 881395

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.38	U	4.90	4.912		ug/Kg	☼	100	70 - 140	9	30
Perfluoropentanoic acid (PFPeA)	0.19	U	2.45	2.220		ug/Kg	☼	91	60 - 150	7	30
Perfluorohexanoic acid (PFHxA)	0.19	U	2.45	2.530		ug/Kg	☼	103	65 - 140	5	30
Perfluoroheptanoic acid (PFHpA)	0.19	U	2.45	2.482		ug/Kg	☼	101	65 - 145	1	30
Perfluorooctanoic acid (PFOA)	0.19	U	2.45	2.426		ug/Kg	☼	99	70 - 150	11	30
Perfluorononanoic acid (PFNA)	0.19	U	2.45	2.417		ug/Kg	☼	99	70 - 155	9	30
Perfluorodecanoic acid (PFDA)	0.19	U	2.45	2.314		ug/Kg	☼	94	70 - 155	13	30
Perfluoroundecanoic acid (PFUnA)	0.18	J	2.45	2.742		ug/Kg	☼	105	70 - 155	5	30
Perfluorododecanoic acid (PFDoA)	0.19	U	2.45	2.547		ug/Kg	☼	104	70 - 150	5	30
Perfluorotridecanoic acid (PFTrDA)	0.19	U	2.45	2.411		ug/Kg	☼	98	65 - 150	4	30
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	2.45	2.289		ug/Kg	☼	93	65 - 150	8	30
Perfluorobutanesulfonic acid (PFBS)	0.19	U	2.18	2.168		ug/Kg	☼	100	65 - 145	10	30
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	2.30	2.481		ug/Kg	☼	108	55 - 160	1	30
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	2.24	2.212		ug/Kg	☼	99	60 - 150	6	30
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	2.34	2.483		ug/Kg	☼	106	65 - 155	5	30

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

Lab Sample ID: 460-358881-6 MSD
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: MW101-SB-13_10
Prep Type: Total/NA
Prep Batch: 881395

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	0.19	U	2.28	2.335		ug/Kg	☼	102	65 - 160	3	30
Perfluorononanesulfonic acid (PFNS)	0.19	U	2.36	2.042		ug/Kg	☼	87	55 - 140	10	30
Perfluorodecanesulfonic acid (PFDS)	0.19	U	2.36	2.184		ug/Kg	☼	92	40 - 155	13	30
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	2.38	2.291		ug/Kg	☼	96	25 - 160	5	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.38	U	4.60	4.376		ug/Kg	☼	95	60 - 150	9	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.38	U	4.67	4.768		ug/Kg	☼	102	55 - 200	3	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.34	J	4.71	5.222		ug/Kg	☼	104	70 - 150	4	30
Perfluorooctanesulfonamide (PFOSA)	0.19	U	2.45	2.193		ug/Kg	☼	89	70 - 140	2	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	2.45	2.276		ug/Kg	☼	93	70 - 155	13	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	2.45	2.327		ug/Kg	☼	95	70 - 140	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	2.45	2.116		ug/Kg	☼	86	65 - 155	10	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	2.45	2.399		ug/Kg	☼	98	65 - 165	6	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.96	U	12.3	12.11		ug/Kg	☼	99	70 - 140	8	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.96	U	12.3	12.12		ug/Kg	☼	99	70 - 135	5	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	1.84	1.790		ug/Kg	☼	97	70 - 145	7	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	2.32	2.301		ug/Kg	☼	99	70 - 160	7	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	2.45	2.394		ug/Kg	☼	98	30 - 140	4	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	2.45	2.340		ug/Kg	☼	95	60 - 150	3	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	2.45	2.533		ug/Kg	☼	103	60 - 155	1	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	2.29	2.136		ug/Kg	☼	93	70 - 150	14	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	2.31	1.936		ug/Kg	☼	84	45 - 160	15	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	2.19	1.999		ug/Kg	☼	91	70 - 140	8	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.38	U	4.90	4.514		ug/Kg	☼	92	45 - 130	5	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.96	U	12.3	11.72		ug/Kg	☼	96	60 - 130	1	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.96	U	12.3	11.47		ug/Kg	☼	94	60 - 150	10	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*116*		*8 - 130*

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

Lab Sample ID: 460-358881-6 MSD
Matrix: Solid
Analysis Batch: 883166

Client Sample ID: MW101-SB-13_10
Prep Type: Total/NA
Prep Batch: 881395

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C5 PFPeA	118		35 - 130
13C5 PFHxA	118		40 - 130
13C4 PFHpA	114		40 - 130
13C8 PFOA	110		40 - 130
13C9 PFNA	108		40 - 130
13C6 PFDA	109		40 - 130
13C7 PFUnA	95.6		40 - 130
13C2 PFTeDA	71.3		20 - 130
13C3 PFBS	110		40 - 135
13C3 PFHxS	103		40 - 130
13C8 PFOS	103		40 - 130
13C8 FOSA	120		40 - 130
d3-NMeFOSAA	77.0		40 - 135
d5-NEtFOSAA	66.8		40 - 150
13C2 4:2 FTS	90.8		40 - 165
13C2 6:2 FTS	91.2		40 - 215
13C2 8:2 FTS	117		40 - 275
13C3 HFPO-DA	104		40 - 130
d7-N-MeFOSE-M	61.0		20 - 130
d9-N-EtFOSE-M	52.5		15 - 130
d5-NEtPFOSA	86.0		10 - 130
d3-NMePFOSA	91.2		10 - 130
13C2 PFDoA	79.1		40 - 130
13C3-3:3 FTCA	125		20 - 150
13C3-5:3 FTCA	116		20 - 150
13C3-PFDoS	72.2		20 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1129997/1-A
Matrix: Solid
Analysis Batch: 1130251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1129997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.60	U	0.60	0.20	mg/Kg		09/04/26 13:47	09/06/26 11:10	1

Lab Sample ID: LCSSRM 460-1129997/2-A
Matrix: Solid
Analysis Batch: 1130251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1129997

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Lead	198	191.4		mg/Kg		96.6	82.8 - 117.2

Lab Sample ID: 460-358879-E-3-F MS
Matrix: Solid
Analysis Batch: 1130251

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1129997

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.66		5.28	6.38		mg/Kg	☼	108	75 - 125

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 460-358879-E-3-E DU
Client Sample ID: Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 1130251
Prep Batch: 1129997

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	0.66			0.637		mg/Kg	☼			4	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-358881-3 DU
Client Sample ID: MW101-SB-11_5
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 1129762

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	20.7			18.4		%				12	20
Percent Solids	79.3			81.6		%				3	20

GC/MS VOA

Prep Batch: 1129801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-1	MW101-SB-12_5	Total/NA	Solid	5035	
460-358881-2	MW101-SB-12_9	Total/NA	Solid	5035	
460-358881-3	MW101-SB-11_5	Total/NA	Solid	5035	
460-358881-4	MW101-SB-11_10	Total/NA	Solid	5035	
460-358881-5	MW101-SB-13_5	Total/NA	Solid	5035	
460-358881-6	MW101-SB-13_10	Total/NA	Solid	5035	

Analysis Batch: 1130090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-1	MW101-SB-12_5	Total/NA	Solid	8260D	1129801
460-358881-3	MW101-SB-11_5	Total/NA	Solid	8260D	1129801
MB 460-1130090/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1130090/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1130090/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1130363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-2	MW101-SB-12_9	Total/NA	Solid	8260D	1129801
460-358881-5	MW101-SB-13_5	Total/NA	Solid	8260D	1129801
MB 460-1130363/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1130363/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1130363/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1130565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-4	MW101-SB-11_10	Total/NA	Solid	8260D	1129801
460-358881-6	MW101-SB-13_10	Total/NA	Solid	8260D	1129801
MB 460-1130565/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1130565/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1130565/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 1129837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-1	MW101-SB-12_5	Total/NA	Solid	3546	
460-358881-2	MW101-SB-12_9	Total/NA	Solid	3546	
460-358881-3	MW101-SB-11_5	Total/NA	Solid	3546	
460-358881-4	MW101-SB-11_10	Total/NA	Solid	3546	
460-358881-5	MW101-SB-13_5	Total/NA	Solid	3546	
460-358881-6	MW101-SB-13_10	Total/NA	Solid	3546	
MB 460-1129837/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1129837/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1129837/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-358878-D-6-G MS	Matrix Spike	Total/NA	Solid	3546	
460-358878-D-6-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1129900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-1	MW101-SB-12_5	Total/NA	Solid	8270E	1129837
460-358881-2	MW101-SB-12_9	Total/NA	Solid	8270E	1129837

GC/MS Semi VOA (Continued)

Analysis Batch: 1129900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-3	MW101-SB-11_5	Total/NA	Solid	8270E	1129837
460-358881-4	MW101-SB-11_10	Total/NA	Solid	8270E	1129837
460-358881-5	MW101-SB-13_5	Total/NA	Solid	8270E	1129837
460-358881-6	MW101-SB-13_10	Total/NA	Solid	8270E	1129837
MB 460-1129837/1-A	Method Blank	Total/NA	Solid	8270E	1129837
LCS 460-1129837/2-A	Lab Control Sample	Total/NA	Solid	8270E	1129837
LCSD 460-1129837/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1129837
460-358878-D-6-G MS	Matrix Spike	Total/NA	Solid	8270E	1129837
460-358878-D-6-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1129837

LCMS

Prep Batch: 881395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-1	MW101-SB-12_5	Total/NA	Solid	1633A	
460-358881-2	MW101-SB-12_9	Total/NA	Solid	1633A	
460-358881-3	MW101-SB-11_5	Total/NA	Solid	1633A	
460-358881-4	MW101-SB-11_10	Total/NA	Solid	1633A	
460-358881-5	MW101-SB-13_5	Total/NA	Solid	1633A	
460-358881-6	MW101-SB-13_10	Total/NA	Solid	1633A	
MB 410-881395/1-A	Method Blank	Total/NA	Solid	1633A	
LCS 410-881395/2-A	Lab Control Sample	Total/NA	Solid	1633A	
LLCS 410-881395/3-A	Lab Control Sample	Total/NA	Solid	1633A	
460-358881-6 MS	MW101-SB-13_10	Total/NA	Solid	1633A	
460-358881-6 MSD	MW101-SB-13_10	Total/NA	Solid	1633A	

Analysis Batch: 883166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-1	MW101-SB-12_5	Total/NA	Solid	1633A	881395
460-358881-2	MW101-SB-12_9	Total/NA	Solid	1633A	881395
460-358881-3	MW101-SB-11_5	Total/NA	Solid	1633A	881395
460-358881-4	MW101-SB-11_10	Total/NA	Solid	1633A	881395
460-358881-5	MW101-SB-13_5	Total/NA	Solid	1633A	881395
460-358881-6	MW101-SB-13_10	Total/NA	Solid	1633A	881395
MB 410-881395/1-A	Method Blank	Total/NA	Solid	1633A	881395
LCS 410-881395/2-A	Lab Control Sample	Total/NA	Solid	1633A	881395
LLCS 410-881395/3-A	Lab Control Sample	Total/NA	Solid	1633A	881395
460-358881-6 MS	MW101-SB-13_10	Total/NA	Solid	1633A	881395
460-358881-6 MSD	MW101-SB-13_10	Total/NA	Solid	1633A	881395

Metals

Prep Batch: 1129997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-1	MW101-SB-12_5	Total/NA	Solid	3050B	
460-358881-2	MW101-SB-12_9	Total/NA	Solid	3050B	
460-358881-3	MW101-SB-11_5	Total/NA	Solid	3050B	
460-358881-4	MW101-SB-11_10	Total/NA	Solid	3050B	
460-358881-5	MW101-SB-13_5	Total/NA	Solid	3050B	
460-358881-6	MW101-SB-13_10	Total/NA	Solid	3050B	
MB 460-1129997/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1129997/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 1129997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358879-E-3-F MS	Matrix Spike	Total/NA	Solid	3050B	
460-358879-E-3-E DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 1130251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-1	MW101-SB-12_5	Total/NA	Solid	6020B	1129997
460-358881-2	MW101-SB-12_9	Total/NA	Solid	6020B	1129997
460-358881-3	MW101-SB-11_5	Total/NA	Solid	6020B	1129997
460-358881-4	MW101-SB-11_10	Total/NA	Solid	6020B	1129997
460-358881-5	MW101-SB-13_5	Total/NA	Solid	6020B	1129997
460-358881-6	MW101-SB-13_10	Total/NA	Solid	6020B	1129997
MB 460-1129997/1-A	Method Blank	Total/NA	Solid	6020B	1129997
LCSSRM 460-1129997/2-A	Lab Control Sample	Total/NA	Solid	6020B	1129997
460-358879-E-3-F MS	Matrix Spike	Total/NA	Solid	6020B	1129997
460-358879-E-3-E DU	Duplicate	Total/NA	Solid	6020B	1129997

General Chemistry

Analysis Batch: 1129762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-358881-1	MW101-SB-12_5	Total/NA	Solid	Moisture	
460-358881-2	MW101-SB-12_9	Total/NA	Solid	Moisture	
460-358881-3	MW101-SB-11_5	Total/NA	Solid	Moisture	
460-358881-4	MW101-SB-11_10	Total/NA	Solid	Moisture	
460-358881-5	MW101-SB-13_5	Total/NA	Solid	Moisture	
460-358881-6	MW101-SB-13_10	Total/NA	Solid	Moisture	
460-358881-3 DU	MW101-SB-11_5	Total/NA	Solid	Moisture	

Client Sample ID: MW101-SB-12_5 — **Lab Sample ID: 460-358881-1**
Date Collected: 09/02/26 12:00 — **Matrix: Solid**
Date Received: 09/02/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129762	GMR	EET EDI	09/03/26 18:43

Client Sample ID: MW101-SB-12_5 — **Lab Sample ID: 460-358881-1**
Date Collected: 09/02/26 12:00 — **Matrix: Solid**
Date Received: 09/02/26 16:30 — **Percent Solids: 84.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1129801	AIN	EET EDI	09/03/26 17:28
Total/NA	Analysis	8260D		1	1130090	EMM	EET EDI	09/05/26 15:35
Total/NA	Prep	3546			1129837	GXY	EET EDI	09/03/26 21:35
Total/NA	Analysis	8270E		1	1129900	MDJ	EET EDI	09/04/26 13:38
Total/NA	Prep	1633A			881395	RZZ4	ELLE	09/07/26 04:14
Total/NA	Analysis	1633A		1	883166	P7EB	ELLE	09/10/26 19:53
Total/NA	Prep	3050B			1129997	TDT	EET EDI	09/04/26 13:47
Total/NA	Analysis	6020B		5	1130251	CDC	EET EDI	09/06/26 11:29

Client Sample ID: MW101-SB-12_9 — **Lab Sample ID: 460-358881-2**
Date Collected: 09/02/26 12:15 — **Matrix: Solid**
Date Received: 09/02/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129762	GMR	EET EDI	09/03/26 18:43

Client Sample ID: MW101-SB-12_9 — **Lab Sample ID: 460-358881-2**
Date Collected: 09/02/26 12:15 — **Matrix: Solid**
Date Received: 09/02/26 16:30 — **Percent Solids: 88.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1129801	AIN	EET EDI	09/03/26 17:28
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 17:48
Total/NA	Prep	3546			1129837	GXY	EET EDI	09/03/26 21:35
Total/NA	Analysis	8270E		1	1129900	MDJ	EET EDI	09/04/26 14:01
Total/NA	Prep	1633A			881395	RZZ4	ELLE	09/07/26 04:14
Total/NA	Analysis	1633A		1	883166	P7EB	ELLE	09/10/26 20:06
Total/NA	Prep	3050B			1129997	TDT	EET EDI	09/04/26 13:47
Total/NA	Analysis	6020B		5	1130251	CDC	EET EDI	09/06/26 11:31

Client Sample ID: MW101-SB-11_5 — **Lab Sample ID: 460-358881-3**
Date Collected: 09/02/26 13:25 — **Matrix: Solid**
Date Received: 09/02/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129762	GMR	EET EDI	09/03/26 19:33

Client Sample ID: MW101-SB-11_5
Lab Sample ID: 460-358881-3

Date Collected: 09/02/26 13:25
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1129801	AIN	EET EDI	09/03/26 17:29
Total/NA	Analysis	8260D		1	1130090	EMM	EET EDI	09/05/26 16:21
Total/NA	Prep	3546			1129837	GXY	EET EDI	09/03/26 21:35
Total/NA	Analysis	8270E		1	1129900	MDJ	EET EDI	09/04/26 12:52
Total/NA	Prep	1633A			881395	RZZ4	ELLE	09/07/26 04:14
Total/NA	Analysis	1633A		1	883166	P7EB	ELLE	09/10/26 20:20
Total/NA	Prep	3050B			1129997	TDT	EET EDI	09/04/26 13:47
Total/NA	Analysis	6020B		5	1130251	CDC	EET EDI	09/06/26 11:34

Client Sample ID: MW101-SB-11_10
Lab Sample ID: 460-358881-4

Date Collected: 09/02/26 13:30
Matrix: Solid
Date Received: 09/02/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129762	GMR	EET EDI	09/03/26 19:33

Client Sample ID: MW101-SB-11_10
Lab Sample ID: 460-358881-4

Date Collected: 09/02/26 13:30
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1129801	AIN	EET EDI	09/03/26 17:29
Total/NA	Analysis	8260D		1	1130565	EMM	EET EDI	09/09/26 14:13
Total/NA	Prep	3546			1129837	GXY	EET EDI	09/03/26 21:35
Total/NA	Analysis	8270E		1	1129900	MDJ	EET EDI	09/04/26 11:44
Total/NA	Prep	1633A			881395	RZZ4	ELLE	09/07/26 04:14
Total/NA	Analysis	1633A		1	883166	P7EB	ELLE	09/10/26 20:33
Total/NA	Prep	3050B			1129997	TDT	EET EDI	09/04/26 13:47
Total/NA	Analysis	6020B		5	1130251	CDC	EET EDI	09/06/26 11:42

Client Sample ID: MW101-SB-13_5
Lab Sample ID: 460-358881-5

Date Collected: 09/02/26 14:00
Matrix: Solid
Date Received: 09/02/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129762	GMR	EET EDI	09/03/26 19:33

Client Sample ID: MW101-SB-13_5
Lab Sample ID: 460-358881-5

Date Collected: 09/02/26 14:00
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1129801	AIN	EET EDI	09/03/26 17:30
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 14:20
Total/NA	Prep	3546			1129837	GXY	EET EDI	09/03/26 21:35
Total/NA	Analysis	8270E		1	1129900	MDJ	EET EDI	09/04/26 12:30

Lab Chronicle

Client: Haley & Aldrich Inc
Job ID: 460-358881-1
Project/Site: Former Port Mobil

Client Sample ID: MW101-SB-13_5
Lab Sample ID: 460-358881-5
Date Collected: 09/02/26 14:00
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			881395	RZZ4	ELLE	09/07/26 04:14
Total/NA	Analysis	1633A		1	883166	P7EB	ELLE	09/10/26 20:47
Total/NA	Prep	3050B			1129997	TDT	EET EDI	09/04/26 13:47
Total/NA	Analysis	6020B		5	1130251	CDC	EET EDI	09/06/26 11:45

Client Sample ID: MW101-SB-13_10
Lab Sample ID: 460-358881-6
Date Collected: 09/02/26 14:15
Matrix: Solid
Date Received: 09/02/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129762	GMR	EET EDI	09/03/26 19:33

Client Sample ID: MW101-SB-13_10
Lab Sample ID: 460-358881-6
Date Collected: 09/02/26 14:15
Matrix: Solid
Date Received: 09/02/26 16:30
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1129801	AIN	EET EDI	09/03/26 17:30
Total/NA	Analysis	8260D		1	1130565	EMM	EET EDI	09/09/26 14:36
Total/NA	Prep	3546			1129837	GXY	EET EDI	09/03/26 21:35
Total/NA	Analysis	8270E		1	1129900	MDJ	EET EDI	09/04/26 14:23
Total/NA	Prep	1633A			881395	RZZ4	ELLE	09/07/26 04:14
Total/NA	Analysis	1633A		1	883166	P7EB	ELLE	09/10/26 21:00
Total/NA	Prep	3050B			1129997	TDT	EET EDI	09/04/26 13:47
Total/NA	Analysis	6020B		5	1130251	CDC	EET EDI	09/06/26 11:47

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

Accreditation/Certification Summary

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

Job ID: 460-358881-1

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	04-01-27

The following analytes are included in this report, but the laboratory is not certified by New York NELAP 11452. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
8260D	5035	Solid	Total BTEX
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	04-01-27

Method Summary

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

Job ID: 460-358881-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633A	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	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

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: 460-358881-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
460-358881-1	MW101-SB-12_5	Solid	09/02/26 12:00	09/02/26 16:30	New York
460-358881-2	MW101-SB-12_9	Solid	09/02/26 12:15	09/02/26 16:30	New York
460-358881-3	MW101-SB-11_5	Solid	09/02/26 13:25	09/02/26 16:30	New York
460-358881-4	MW101-SB-11_10	Solid	09/02/26 13:30	09/02/26 16:30	New York
460-358881-5	MW101-SB-13_5	Solid	09/02/26 14:00	09/02/26 16:30	New York
460-358881-6	MW101-SB-13_10	Solid	09/02/26 14:15	09/02/26 16:30	New York

Eurofins lab name: Eurofins Environment Testing Northeast, LLC (Eurofins Edison)

Chain of Custody Record

eurofins

Lab Address:
777 New Durham Road, Edison, NJ

Eurofins' service under this CoC shall be performed in accordance with the T&Cs within BSA #2025-2027-Eurofins by and between Haley & Aldrich, Inc. its subsidiaries and affiliates, and Eurofins and its named affiliates.

Client Information	Sampler: Delia Freliech	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No:
Client Contact: NP Staten Island Industrial, LLC	Phone: 917 796-7383	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: NY	Page: 1 of 1
Company: Haley & Aldrich Inc	PWSID:			Job #: 358881
Address: 213 West 35th Street, 7th Floor	Due Date Requested:			
City: New York	TAT Requested (days): Standard (1 week)			
State, Zip: New York, 10001	Compliance Project: Δ Yes Δ No			
Phone: 516-317-9861	PO #: 0213836-003-002-05			
Email: Scommisso@haleyaldrich.com	WO #: 0213836-003-002-05			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site: 4101 Arthur Kill Road, Staten Island NY	SSOW#:			

Analysis Requested

460-358881 Chain of Custody

xane
ne
NaO2
2O4S
2SO3
2S2O3
SO4
P Dodecahydrate

ice
J DI Water
K EDTA
L EDA
Other

Acetone
V MCAA
W pH 4-5
Z other (specify)

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D BTEX & MTBE	8270 Napthalene & Benzo(a)anthracene	6010B Lead	1633 PFOA & PFAS								Total Number of containers	Special Instructions/Note
Preservation Code:						A													
MW101-SB-12_5	9/2/2026	12:00	G	S	N	N	X	X	X	X							1	6	Early samples
MW101-SB-12_9	9/2/2026	12:15	G	S	N	N	X	X	X	X							2	6	
MW101-SB-11_5	9/2/2026	13:25	G	S	N	N	X	X	X	X							3	6	
MW101-SB-11_10	9/2/2026	13:30	G	S	N	N	X	X	X	X							4	6	
MW101-SB-13_5	9/2/2026	14:00	G	S	N	N	X	X	X	X							5	6	
MW101-SB-13_10	9/2/2026	14:15	G	S	N	N	X	X	X	X							6	6	
TB-01_20260902				W	N	N	X										7	2	

SHORT HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 9/2/2026 1610	Company	Received by:	Date/Time: 9/2 16.00	Company EET
Relinquished by:	Date/Time: 9/2 1630	Company EET	Received by:	Date/Time: 9/2/26	Company EET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1630	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 17.1/1.9 2). 9/1.1 #9

Ver: 07/18/2025

9/11/2026

Eurofins Edison
Receipt Temperature and pH Log

Job Number: 358981

Number of Coolers: 2

IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED
Cooler #1:	1.7 °C	1.9 °C
Cooler #2:	1.9 °C	1.1 °C
Cooler #3:	°C	°C
Cooler #4:	°C	°C
Cooler #5:	°C	°C
Cooler #6	°C	°C
Cooler #7:	°C	°C
Cooler #8	°C	°C
Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	1,4-Dioxane (pH<4)	Other

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 9/2/26

EDS-WI-038 Rev 5
9/5/2025

Eurofins Edison
777 New Durham Road
Edison NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-78907 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP New York		Job #: 460-358881 1
Address: 2425 New Holland Pike,	Due Date Requested: 9/10/2026			Preservation Codes
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633A/1633A_Shake1633 Standard List 40	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MW101-SB-12_5 (460-358881 1)	9/2/26	12:00 Eastern	G	Solid			X	1	
MW101-SB-12_9 (460-358881-2)	9/2/26	12 15 Eastern	G	Solid			X	1	
MW101-SB-11_5 (460-358881-3)	9/2/26	13.25 Eastern	G	Solid			X	1	
MW101-SB-11_10 (460-358881-4)	9/2/26	13.30 Eastern	G	Solid			X	1	
MW101-SB-13 5 (460-358881-5)	9/2/26	14:00 Eastern	G	Solid			X	1	
MW101-SB-13 10 (460-358881-6)	9/2/26	14.15 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		9/3/26 1650	Eurofins		9/3/26 1650	Eurofins
2		9/3/26 2015	Eurofins			
3					9/3/26 2015	Eurofins

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: R: 1.9-6.1 C: 1.9-5.7

Login Sample Receipt Checklist

Client: Haley & Aldrich Inc

Job Number: 460-358881-1

Login Number: 358881

List Source: Eurofins Edison

List Number: 1

Creator: Thundathorn, Sukanan 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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: 460-358881-1

Login Number: 358881
List Number: 2
Creator: Williams, Peter

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 09/04/26 08:16 AM

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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/14/2026 8:48:15 AM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-359015-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

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



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Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Detection Summary 8
Client Sample Results 11
Surrogate Summary 48
Isotope Dilution Summary 50
QC Sample Results 53
QC Association Summary 72
Lab Chronicle 77
Certification Summary 84
Method Summary 86
Sample Summary 87
Chain of Custody 88
Receipt Checklists 93

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
I	Ion ratio outside limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
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.
U	Indicates 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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Job Narrative
460-359015-1

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 9/3/2026 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.7°C and 1.2°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples MW101-SB-10_4 (460-359015-1), MW101-SB-10_6 (460-359015-2), MW101-SB-09_4 (460-359015-3), MW101-SB-09_6 (460-359015-4), MW101-SB-08_4 (460-359015-5), MW101-SB-08_7.5 (460-359015-6), MW101-SB-07_3 (460-359015-7), MW101-SB-07_5 (460-359015-8), MW101-SB-05_4 (460-359015-9), MW101-SB-05_8.5 (460-359015-10), MW101-SB-04_5 (460-359015-11), WW101-SB-04_7 (460-359015-12), WW101-SB-06_5 (460-359015-13), WW101-SB-06_9 (460-359015-14) and TB-01_20260903 (460-359015-15) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 9/5/2026 and analyzed on 9/8/2026, 9/9/2026 and 9/10/2026.

The following sample was diluted due to the nature of the sample matrix: MW101-SB-05_8.5 (460-359015-10). Elevated reporting limits (RLs) are provided.

The following samples were diluted to bring the concentration of target analytes within the calibration range: MW101-SB-09_4 (460-359015-3) and WW101-SB-06_5 (460-359015-13). Elevated reporting limits (RLs) are provided.

The following sample was diluted to bring the concentration of target analytes within the calibration range: MW101-SB-05_4 (460-359015-9). Elevated reporting limits (RLs) are provided.

Four surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW101-SB-10_4 (460-359015-1) and MW101-SB-10_6 (460-359015-2). These results have been reported and qualified.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples MW101-SB-10_4 (460-359015-1), MW101-SB-10_6 (460-359015-2), MW101-SB-09_4 (460-359015-3), MW101-SB-09_6 (460-359015-4), MW101-SB-08_4 (460-359015-5), MW101-SB-08_7.5 (460-359015-6), MW101-SB-07_3 (460-359015-7), MW101-SB-07_5 (460-359015-8), MW101-SB-05_4 (460-359015-9), MW101-SB-05_8.5 (460-359015-10), MW101-SB-04_5 (460-359015-11), WW101-SB-04_7 (460-359015-12), WW101-SB-06_5 (460-359015-13) and WW101-SB-06_9 (460-359015-14) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 9/4/2026 and analyzed on 9/5/2026.

Sample MW101-SB-05_4 (460-359015-9)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample was diluted due to the nature of the sample matrix: MW101-SB-05_4 (460-359015-9). Elevated reporting limits (RLs) are provided.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 460-1130060 and analytical batch 460-1130173 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Samples MW101-SB-10_4 (460-359015-1), MW101-SB-10_6 (460-359015-2), MW101-SB-09_4 (460-359015-3), MW101-SB-09_6 (460-359015-4), MW101-SB-08_4 (460-359015-5), MW101-SB-08_7.5 (460-359015-6), MW101-SB-07_3 (460-359015-7), MW101-SB-07_5 (460-359015-8), MW101-SB-05_4 (460-359015-9), MW101-SB-05_8.5 (460-359015-10), MW101-SB-04_5 (460-359015-11), WW101-SB-04_7 (460-359015-12), WW101-SB-06_5 (460-359015-13) and WW101-SB-06_9 (460-359015-14) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A. The samples were prepared on 9/8/2026 and analyzed on 9/10/2026.

The labeled isotopes 13C2 4:2 FTS are outside QC acceptance limits. Since the recovery in sample MW101-SB-10_4 (460-359015-1) is less than 350%, the data is reported.

The labeled isotopes 13C2 4:2 FTS and 13C2 6:2 FTS are outside QC acceptance limits. Since the recovery in sample MW101-SB-09_4 (460-359015-3), MW101-SB-08_4 (460-359015-5), MW101-SB-08_7.5 (460-359015-6) and MW101-SB-07_5 (460-359015-8) is less than 350%, the data is reported.

The labeled isotopes 13C2 4:2 FTS are outside QC acceptance limits. Since the recovery in sample MW101-SB-07_3 (460-359015-7) is less than 350%, the data is reported.

The labeled isotopes 13C2 4:2 FTS, 13C2 6:2 FTS and 13C2 8:2 FTS are outside QC acceptance limits. Since the recovery in sample MW101-SB-05_4 (460-359015-9) is less than 350%, the data is reported.

The labeled isotopes 13C2 PFTeDA are outside QC acceptance limits. Since the recovery in sample MW101-SB-10_4 (460-359015-1) is greater than 5%, and the signal to noise ratio is greater than 10:1, the data is reported.

The labeled isotopes 13C2 PFTeDA, d5-NEtFOSAA and 13C2 PFDoA are outside QC acceptance limits. Since the recovery in sample MW101-SB-09_6 (460-359015-4) is greater than 5%, and the signal to noise ratio is greater than 10:1, the data is reported.

The labeled isotopes d3-NMeFOSAA are outside QC acceptance limits. Since the recovery in sample MW101-SB-09_4 (460-359015-3) is less than 200%, the data is reported.

The labeled isotopes 13C8 FOSA, d3-NMeFOSAA and d5-NEtFOSAA are outside QC acceptance limits. Since the recovery in sample MW101-SB-08_7.5 (460-359015-6) is less than 200%, the data is reported.

The labeled isotopes 13C8 FOSA are outside QC acceptance limits. Since the recovery in sample MW101-SB-07_5 (460-359015-8) is less than 200%, the data is reported.

The labeled isotopes d3-NMeFOSAA and d5-NEtFOSAA are outside QC acceptance limits. Since the recovery in sample MW101-SB-05_4 (460-359015-9) is less than 200%, the data is reported.

Method 6020B - Metals (ICP/MS)
Samples MW101-SB-10_4 (460-359015-1), MW101-SB-10_6 (460-359015-2), MW101-SB-09_4 (460-359015-3), MW101-SB-09_6 (460-359015-4), MW101-SB-08_4 (460-359015-5), MW101-SB-08_7.5 (460-359015-6), MW101-SB-07_3 (460-359015-7), MW101-SB-07_5 (460-359015-8), MW101-SB-05_4 (460-359015-9), MW101-SB-05_8.5 (460-359015-10), MW101-SB-04_5 (460-359015-11), WW101-SB-04_7 (460-359015-12), WW101-SB-06_5 (460-359015-13) and WW101-SB-06_9 (460-359015-14) were analyzed for Metals (ICP/MS). The samples were prepared on 9/5/2026 and analyzed on 9/6/2026.

Sample MW101-SB-05_4 (460-359015-9)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method Moisture - Percent Moisture
Samples MW101-SB-10_4 (460-359015-1), MW101-SB-10_6 (460-359015-2), MW101-SB-09_4 (460-359015-3), MW101-SB-09_6 (460-359015-4), MW101-SB-08_4 (460-359015-5), MW101-SB-08_7.5 (460-359015-6), MW101-SB-07_3 (460-359015-7), MW101-SB-07_5 (460-359015-8), MW101-SB-05_4 (460-359015-9), MW101-SB-05_8.5 (460-359015-10), MW101-SB-04_5 (460-359015-11), WW101-SB-04_7 (460-359015-12), WW101-SB-06_5 (460-359015-13) and WW101-SB-06_9 (460-359015-14) were analyzed for Percent Moisture. The samples were analyzed on 9/4/2026.

Detection Summary

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

Job ID: 460-359015-1

Client Sample ID: MW101-SB-10_4 — Lab Sample ID: 460-359015-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	0.12	J	0.20	0.059	ug/Kg	1	☼	1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.26		0.20	0.099	ug/Kg	1	☼	1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.23		0.20	0.059	ug/Kg	1	☼	1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.33		0.20	0.099	ug/Kg	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.16	J	0.20	0.099	ug/Kg	1	☼	1633A	Total/NA
Lead	86.8		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-10_6 — Lab Sample ID: 460-359015-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0018		0.00089	0.00021	mg/Kg	1	☼	8260D	Total/NA
Total BTEX	0.0034	J	0.0053	0.0010	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0013	J	0.0018	0.00038	mg/Kg	1	☼	8260D	Total/NA
Lead	3.7		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-09_4 — Lab Sample ID: 460-359015-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.39		0.30	0.061	mg/Kg	50	☼	8260D	Total/NA
Ethylbenzene	0.59		0.30	0.091	mg/Kg	50	☼	8260D	Total/NA
Toluene	0.26	J	0.30	0.076	mg/Kg	50	☼	8260D	Total/NA
Total BTEX	2.2		1.8	0.085	mg/Kg	50	☼	8260D	Total/NA
Xylenes, Total	1.0		0.61	0.085	mg/Kg	50	☼	8260D	Total/NA
Perfluorooctanoic acid (PFOA)	0.076	J I	0.19	0.058	ug/Kg	1	☼	1633A	Total/NA
Lead	75.8		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-09_6 — Lab Sample ID: 460-359015-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.0016		0.00095	0.00045	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00059	J	0.00095	0.00022	mg/Kg	1	☼	8260D	Total/NA
Total BTEX	0.0053	J	0.0057	0.0011	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0031		0.0019	0.00040	mg/Kg	1	☼	8260D	Total/NA
Lead	20.0		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-08_4 — Lab Sample ID: 460-359015-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	0.37		0.19	0.058	ug/Kg	1	☼	1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.16	J	0.19	0.097	ug/Kg	1	☼	1633A	Total/NA
Lead	20.2		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-08_7.5 — Lab Sample ID: 460-359015-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	0.13	J I	0.19	0.097	ug/Kg	1	☼	1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.92		0.19	0.097	ug/Kg	1	☼	1633A	Total/NA
Lead	10.8		0.65	0.22	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-07_3 — Lab Sample ID: 460-359015-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00083	J	0.0011	0.00025	mg/Kg	1	☼	8260D	Total/NA
Lead	24.4		0.63	0.21	mg/Kg	1	☼	6020B	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: 460-359015-1

Client Sample ID: MW101-SB-07_5 — Lab Sample ID: 460-359015-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	19.5		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-05_4 — Lab Sample ID: 460-359015-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.42		0.35	0.070	mg/Kg	50	☼	8260D	Total/NA
Ethylbenzene	3.5		0.35	0.10	mg/Kg	50	☼	8260D	Total/NA
Toluene	0.48		0.35	0.087	mg/Kg	50	☼	8260D	Total/NA
Total BTEX	17		2.1	0.097	mg/Kg	50	☼	8260D	Total/NA
Xylenes, Total	13		0.69	0.097	mg/Kg	50	☼	8260D	Total/NA
Benzo[a]anthracene	0.23		0.20	0.019	mg/Kg	5	☼	8270E	Total/NA
Naphthalene	1.3	J	2.0	0.016	mg/Kg	5	☼	8270E	Total/NA
Lead	4010		3.3	1.1	mg/Kg	5	☼	6020B	Total/NA

Client Sample ID: MW101-SB-05_8.5 — Lab Sample ID: 460-359015-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.73		0.038	0.0036	mg/Kg	1	☼	8270E	Total/NA
Perfluorononanoic acid (PFNA)	0.14	J	0.20	0.098	ug/Kg	1	☼	1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.13	J	0.20	0.059	ug/Kg	1	☼	1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.61		0.20	0.098	ug/Kg	1	☼	1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.32	J	0.39	0.20	ug/Kg	1	☼	1633A	Total/NA
Lead	3.2		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: MW101-SB-04_5 — Lab Sample ID: 460-359015-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroundecanoic acid (PFUnA)	0.61		0.20	0.099	ug/Kg	1	☼	1633A	Total/NA
Lead	7.7		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: WW101-SB-04_7 — Lab Sample ID: 460-359015-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroundecanoic acid (PFUnA)	0.39		0.19	0.097	ug/Kg	1	☼	1633A	Total/NA
Lead	7.0		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: WW101-SB-06_5 — Lab Sample ID: 460-359015-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.52		0.23	0.046	mg/Kg	50	☼	8260D	Total/NA
Ethylbenzene	1.1		0.23	0.069	mg/Kg	50	☼	8260D	Total/NA
Toluene	0.62		0.23	0.057	mg/Kg	50	☼	8260D	Total/NA
Total BTEX	4.7		1.4	0.064	mg/Kg	50	☼	8260D	Total/NA
Xylenes, Total	2.5		0.46	0.064	mg/Kg	50	☼	8260D	Total/NA
Benzo[a]anthracene	3.7		0.037	0.0035	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	7.6		0.37	0.0030	mg/Kg	1	☼	8270E	Total/NA
Perfluorononanoic acid (PFNA)	0.43		0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.094	J	0.20	0.060	ug/Kg	1	☼	1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.93		0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.22		0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.28		0.20	0.10	ug/Kg	1	☼	1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.26	J	0.40	0.20	ug/Kg	1	☼	1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 460-359015-1

Client Sample ID: WW101-SB-06_5 (Continued)

Lab Sample ID: 460-359015-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	121		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: WW101-SB-06_9

Lab Sample ID: 460-359015-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0019		0.00099	0.00056	mg/Kg	1	☼	8260D	Total/NA
Total BTEX	0.0019	J	0.0059	0.0011	mg/Kg	1	☼	8260D	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.38		0.20	0.099	ug/Kg	1	☼	1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.20	J	0.40	0.20	ug/Kg	1	☼	1633A	Total/NA
Lead	3.7		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: TB-01_20260903

Lab Sample ID: 460-359015-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW101-SB-10_4
Date Collected: 09/03/26 09:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-1
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0012	U	0.0012	0.00068	mg/Kg	☼	09/05/26 09:34	09/08/26 18:57	1
Ethylbenzene	0.0012	U	0.0012	0.00056	mg/Kg	☼	09/05/26 09:34	09/08/26 18:57	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	09/05/26 09:34	09/08/26 18:57	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	09/05/26 09:34	09/08/26 18:57	1
Total BTEX	0.0072	U	0.0072	0.0014	mg/Kg	☼	09/05/26 09:34	09/08/26 18:57	1
Xylenes, Total	0.0024	U	0.0024	0.00051	mg/Kg	☼	09/05/26 09:34	09/08/26 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*09/05/26 09:34*	*09/08/26 18:57*	*1*
4-Bromofluorobenzene	*140*	*	*71 - 128*	*09/05/26 09:34*	*09/08/26 18:57*	*1*
Dibromofluoromethane (Surr)	*86*		*65 - 139*	*09/05/26 09:34*	*09/08/26 18:57*	*1*
Toluene-d8 (Surr)	*107*		*71 - 126*	*09/05/26 09:34*	*09/08/26 18:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.038	U	0.038	0.0035	mg/Kg	☼	09/04/26 20:31	09/05/26 20:35	1
Naphthalene	0.38	U	0.38	0.0030	mg/Kg	☼	09/04/26 20:31	09/05/26 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*14 - 104*	*09/04/26 20:31*	*09/05/26 20:35*	*1*
2-Fluorobiphenyl	*71*		*29 - 104*	*09/04/26 20:31*	*09/05/26 20:35*	*1*
2-Fluorophenol (Surr)	*68*		*22 - 99*	*09/04/26 20:31*	*09/05/26 20:35*	*1*
Nitrobenzene-d5 (Surr)	*69*		*26 - 97*	*09/04/26 20:31*	*09/05/26 20:35*	*1*
Phenol-d5 (Surr)	*72*		*25 - 95*	*09/04/26 20:31*	*09/05/26 20:35*	*1*
Terphenyl-d14 (Surr)	*69*		*29 - 104*	*09/04/26 20:31*	*09/05/26 20:35*	*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	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorooctanoic acid (PFOA)	**0.12**	**J**	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorononanoic acid (PFNA)	**0.26**		0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorodecanoic acid (PFDA)	**0.23**		0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluoroundecanoic acid (PFUnA)	**0.33**		0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorooctanesulfonic acid (PFOS)	**0.16**	**J**	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1

Client Sample ID: MW101-SB-10_4
Date Collected: 09/03/26 09:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-1
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 02:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80.7*		*8 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C5 PFPeA	*67.6*		*35 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C5 PFHxA	*71.9*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C4 PFHpA	*69.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C8 PFOA	*77.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C9 PFNA	*70.0*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C6 PFDA	*69.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C7 PFUnA	*63.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C2 PFTeDA	*19.3*	*	*20 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C3 PFBS	*82.3*		*40 - 135*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C3 PFHxS	*77.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*
13C8 PFOS	*77.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:03*	*1*

Client Sample ID: MW101-SB-10_4

Lab Sample ID: 460-359015-1
Date Collected: 09/03/26 09:00
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 87.4

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	115		40 - 130	09/08/26 07:41	09/10/26 02:03	1
d3-NMeFOSAA	61.4		40 - 135	09/08/26 07:41	09/10/26 02:03	1
d5-NEtFOSAA	54.4		40 - 150	09/08/26 07:41	09/10/26 02:03	1
13C2 4:2 FTS	211	*	40 - 165	09/08/26 07:41	09/10/26 02:03	1
13C2 6:2 FTS	155		40 - 215	09/08/26 07:41	09/10/26 02:03	1
13C2 8:2 FTS	127		40 - 275	09/08/26 07:41	09/10/26 02:03	1
13C3 HFPO-DA	72.3		40 - 130	09/08/26 07:41	09/10/26 02:03	1
d7-N-MeFOSE-M	67.6		20 - 130	09/08/26 07:41	09/10/26 02:03	1
d9-N-EtFOSE-M	64.6		15 - 130	09/08/26 07:41	09/10/26 02:03	1
d5-NEtPFOSA	74.9		10 - 130	09/08/26 07:41	09/10/26 02:03	1
d3-NMePFOSA	85.4		10 - 130	09/08/26 07:41	09/10/26 02:03	1
13C2 PFDoA	46.7		40 - 130	09/08/26 07:41	09/10/26 02:03	1
13C3-3:3 FTCA	70.8		20 - 150	09/08/26 07:41	09/10/26 02:03	1
13C3-5:3 FTCA	60.1		20 - 150	09/08/26 07:41	09/10/26 02:03	1
13C3-PFDoS	26.1		20 - 150	09/08/26 07:41	09/10/26 02:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**86.8**		0.60	0.20	mg/Kg	☼	09/05/26 13:53	09/06/26 21:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.6**		1.0	1.0	%			09/04/26 19:35	1
Percent Solids (EPA Moisture)	**87.4**		1.0	1.0	%			09/04/26 19:35	1

Client Sample ID: MW101-SB-10_6

Lab Sample ID: 460-359015-2
Date Collected: 09/03/26 09:10
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00089	U	0.00089	0.00050	mg/Kg	☼	09/05/26 09:35	09/08/26 18:34	1
Ethylbenzene	0.00089	U	0.00089	0.00042	mg/Kg	☼	09/05/26 09:35	09/08/26 18:34	1
Methyl tert-butyl ether	0.00089	U	0.00089	0.00046	mg/Kg	☼	09/05/26 09:35	09/08/26 18:34	1
Toluene	**0.0018**		0.00089	0.00021	mg/Kg	☼	09/05/26 09:35	09/08/26 18:34	1
Total BTEX	**0.0034**	**J**	0.0053	0.0010	mg/Kg	☼	09/05/26 09:35	09/08/26 18:34	1
Xylenes, Total	**0.0013**	**J**	0.0018	0.00038	mg/Kg	☼	09/05/26 09:35	09/08/26 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		65 - 138	09/05/26 09:35	09/08/26 18:34	1
4-Bromofluorobenzene	142	*	71 - 128	09/05/26 09:35	09/08/26 18:34	1
Dibromofluoromethane (Surr)	83		65 - 139	09/05/26 09:35	09/08/26 18:34	1
Toluene-d8 (Surr)	109		71 - 126	09/05/26 09:35	09/08/26 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.038	U	0.038	0.0036	mg/Kg	☼	09/04/26 20:31	09/05/26 15:41	1
Naphthalene	0.38	U	0.38	0.0031	mg/Kg	☼	09/04/26 20:31	09/05/26 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		14 - 104	09/04/26 20:31	09/05/26 15:41	1

Client Sample ID: MW101-SB-10_6
Date Collected: 09/03/26 09:10
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-2
Matrix: Solid
Percent Solids: 86.1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*29 - 104*	*09/04/26 20:31*	*09/05/26 15:41*	*1*
2-Fluorophenol (Surr)	*64*		*22 - 99*	*09/04/26 20:31*	*09/05/26 15:41*	*1*
Nitrobenzene-d5 (Surr)	*78*		*26 - 97*	*09/04/26 20:31*	*09/05/26 15:41*	*1*
Phenol-d5 (Surr)	*70*		*25 - 95*	*09/04/26 20:31*	*09/05/26 15:41*	*1*
Terphenyl-d14 (Surr)	*66*		*29 - 104*	*09/04/26 20:31*	*09/05/26 15:41*	*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)	0.38	U	0.38	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluoropentanoic acid (PFPeA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorooctanoic acid (PFOA)	0.19	U	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorononanoic acid (PFNA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluoroundecanoic acid (PFUnA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorotridecanoic acid (PFTrDA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.38	U	0.38	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.38	U	0.38	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.38	U	0.38	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.96	U	0.96	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.96	U	0.96	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1

Client Sample ID: MW101-SB-10_6
Date Collected: 09/03/26 09:10
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-2
Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	0.19	0.096	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.38	U	0.38	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.96	U	0.96	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.96	U	0.96	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 02:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77.0*		*8 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C5 PFPeA	*77.2*		*35 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C5 PFHxA	*73.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C4 PFHpA	*78.0*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C8 PFOA	*80.2*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C9 PFNA	*79.2*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C6 PFDA	*83.2*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C7 PFUnA	*75.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C2 PFTeDA	*28.8*		*20 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C3 PFBS	*77.1*		*40 - 135*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C3 PFHxS	*78.9*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C8 PFOS	*81.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C8 FOSA	*90.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
d3-NMeFOSAA	*64.8*		*40 - 135*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
d5-NEtFOSAA	*52.5*		*40 - 150*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C2 4:2 FTS	*94.9*		*40 - 165*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C2 6:2 FTS	*90.0*		*40 - 215*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C2 8:2 FTS	*112*		*40 - 275*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C3 HFPO-DA	*68.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
d7-N-MeFOSE-M	*69.0*		*20 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
d9-N-EtFOSE-M	*56.4*		*15 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
d5-NEtPFOSA	*67.6*		*10 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
d3-NMePFOSA	*76.6*		*10 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C2 PFDoA	*46.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C3-3:3 FTCA	*81.4*		*20 - 150*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C3-5:3 FTCA	*71.6*		*20 - 150*	*09/08/26 07:41*	*09/10/26 02:17*	*1*
13C3-PFDoS	*27.1*		*20 - 150*	*09/08/26 07:41*	*09/10/26 02:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.7**		0.60	0.20	mg/Kg	☼	09/05/26 13:53	09/06/26 21:20	1

Client Sample ID: MW101-SB-10_6

Lab Sample ID: 460-359015-2
Date Collected: 09/03/26 09:10
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 86.1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**13.9**		1.0	1.0	%			09/04/26 19:35	1
Percent Solids (EPA Moisture)	**86.1**		1.0	1.0	%			09/04/26 19:35	1

Client Sample ID: MW101-SB-09_4

Lab Sample ID: 460-359015-3
Date Collected: 09/03/26 09:30
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.39**		0.30	0.061	mg/Kg	☼	09/05/26 13:19	09/09/26 19:22	50
Ethylbenzene	**0.59**		0.30	0.091	mg/Kg	☼	09/05/26 13:19	09/09/26 19:22	50
Methyl tert-butyl ether	0.30	U	0.30	0.065	mg/Kg	☼	09/05/26 13:19	09/09/26 19:22	50
Toluene	**0.26**	**J**	0.30	0.076	mg/Kg	☼	09/05/26 13:19	09/09/26 19:22	50
Total BTEX	**2.2**		1.8	0.085	mg/Kg	☼	09/05/26 13:19	09/09/26 19:22	50
Xylenes, Total	**1.0**		0.61	0.085	mg/Kg	☼	09/05/26 13:19	09/09/26 19:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*60 - 150*	*09/05/26 13:19*	*09/09/26 19:22*	*50*
4-Bromofluorobenzene	*123*		*70 - 150*	*09/05/26 13:19*	*09/09/26 19:22*	*50*
Dibromofluoromethane (Surr)	*106*		*68 - 150*	*09/05/26 13:19*	*09/09/26 19:22*	*50*
Toluene-d8 (Surr)	*112*		*64 - 157*	*09/05/26 13:19*	*09/09/26 19:22*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.038	U	0.038	0.0036	mg/Kg	☼	09/04/26 20:31	09/05/26 16:06	1
Naphthalene	0.38	U	0.38	0.0031	mg/Kg	☼	09/04/26 20:31	09/05/26 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*14 - 104*	*09/04/26 20:31*	*09/05/26 16:06*	*1*
2-Fluorobiphenyl	*73*		*29 - 104*	*09/04/26 20:31*	*09/05/26 16:06*	*1*
2-Fluorophenol (Surr)	*69*		*22 - 99*	*09/04/26 20:31*	*09/05/26 16:06*	*1*
Nitrobenzene-d5 (Surr)	*82*		*26 - 97*	*09/04/26 20:31*	*09/05/26 16:06*	*1*
Phenol-d5 (Surr)	*75*		*25 - 95*	*09/04/26 20:31*	*09/05/26 16:06*	*1*
Terphenyl-d14 (Surr)	*71*		*29 - 104*	*09/04/26 20:31*	*09/05/26 16:06*	*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	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluoropentanoic acid (PFPeA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorooctanoic acid (PFOA)	**0.076**	**J I**	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorononanoic acid (PFNA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluoroundecanoic acid (PFUnA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorotridecanoic acid (PFTrDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1

Client Sample ID: MW101-SB-09_4
Date Collected: 09/03/26 09:30
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-3
Matrix: Solid
Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.97	U	0.97	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.97	U	0.97	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.97	U	0.97	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.97	U	0.97	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 02:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*73.7*		*8 - 130*	*09/08/26 07:41*	*09/10/26 02:30*	*1*
13C5 PFPeA	*50.7*		*35 - 130*	*09/08/26 07:41*	*09/10/26 02:30*	*1*
13C5 PFHxA	*60.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:30*	*1*
13C4 PFHpA	*63.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:30*	*1*
13C8 PFOA	*80.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:30*	*1*

Client Sample ID: MW101-SB-09_4

Date Collected: 09/03/26 09:30
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-3

Matrix: Solid
Percent Solids: 85.9

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	80.8		40 - 130	09/08/26 07:41	09/10/26 02:30	1
13C6 PFDA	84.8		40 - 130	09/08/26 07:41	09/10/26 02:30	1
13C7 PFUnA	75.0		40 - 130	09/08/26 07:41	09/10/26 02:30	1
13C2 PFTeDA	71.5		20 - 130	09/08/26 07:41	09/10/26 02:30	1
13C3 PFBS	89.9		40 - 135	09/08/26 07:41	09/10/26 02:30	1
13C3 PFHxS	83.3		40 - 130	09/08/26 07:41	09/10/26 02:30	1
13C8 PFOS	82.0		40 - 130	09/08/26 07:41	09/10/26 02:30	1
13C8 FOSA	126		40 - 130	09/08/26 07:41	09/10/26 02:30	1
d3-NMeFOSAA	144	*	40 - 135	09/08/26 07:41	09/10/26 02:30	1
d5-NEtFOSAA	122		40 - 150	09/08/26 07:41	09/10/26 02:30	1
13C2 4:2 FTS	285	*	40 - 165	09/08/26 07:41	09/10/26 02:30	1
13C2 6:2 FTS	303	*	40 - 215	09/08/26 07:41	09/10/26 02:30	1
13C2 8:2 FTS	252		40 - 275	09/08/26 07:41	09/10/26 02:30	1
13C3 HFPO-DA	71.2		40 - 130	09/08/26 07:41	09/10/26 02:30	1
d7-N-MeFOSE-M	33.3		20 - 130	09/08/26 07:41	09/10/26 02:30	1
d9-N-EtFOSE-M	23.5		15 - 130	09/08/26 07:41	09/10/26 02:30	1
d5-NEtPFOSA	65.0		10 - 130	09/08/26 07:41	09/10/26 02:30	1
d3-NMePFOSA	76.2		10 - 130	09/08/26 07:41	09/10/26 02:30	1
13C2 PFDoA	77.3		40 - 130	09/08/26 07:41	09/10/26 02:30	1
13C3-3:3 FTCA	57.6		20 - 150	09/08/26 07:41	09/10/26 02:30	1
13C3-5:3 FTCA	66.3		20 - 150	09/08/26 07:41	09/10/26 02:30	1
13C3-PFDoS	60.2		20 - 150	09/08/26 07:41	09/10/26 02:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**75.8**		0.63	0.21	mg/Kg	☼	09/05/26 13:53	09/06/26 21:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**14.1**		1.0	1.0	%			09/04/26 19:35	1
Percent Solids (EPA Moisture)	**85.9**		1.0	1.0	%			09/04/26 19:35	1

Client Sample ID: MW101-SB-09_6

Date Collected: 09/03/26 09:40
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-4

Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00095	U	0.00095	0.00054	mg/Kg	☼	09/05/26 09:37	09/08/26 18:11	1
Ethylbenzene	**0.0016**		0.00095	0.00045	mg/Kg	☼	09/05/26 09:37	09/08/26 18:11	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	09/05/26 09:37	09/08/26 18:11	1
Toluene	**0.00059**	**J**	0.00095	0.00022	mg/Kg	☼	09/05/26 09:37	09/08/26 18:11	1
Total BTEX	**0.0053**	**J**	0.0057	0.0011	mg/Kg	☼	09/05/26 09:37	09/08/26 18:11	1
Xylenes, Total	**0.0031**		0.0019	0.00040	mg/Kg	☼	09/05/26 09:37	09/08/26 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		65 - 138	09/05/26 09:37	09/08/26 18:11	1
4-Bromofluorobenzene	114		71 - 128	09/05/26 09:37	09/08/26 18:11	1
Dibromofluoromethane (Surr)	78		65 - 139	09/05/26 09:37	09/08/26 18:11	1
Toluene-d8 (Surr)	98		71 - 126	09/05/26 09:37	09/08/26 18:11	1

Client Sample ID: MW101-SB-09_6

Date Collected: 09/03/26 09:40
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-4

Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.040	U	0.040	0.0037	mg/Kg	☼	09/04/26 20:31	09/05/26 16:31	1
Naphthalene	0.40	U	0.40	0.0032	mg/Kg	☼	09/04/26 20:31	09/05/26 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*52*		*14 - 104*	*09/04/26 20:31*	*09/05/26 16:31*	*1*
2-Fluorobiphenyl	*68*		*29 - 104*	*09/04/26 20:31*	*09/05/26 16:31*	*1*
2-Fluorophenol (Surr)	*66*		*22 - 99*	*09/04/26 20:31*	*09/05/26 16:31*	*1*
Nitrobenzene-d5 (Surr)	*80*		*26 - 97*	*09/04/26 20:31*	*09/05/26 16:31*	*1*
Phenol-d5 (Surr)	*71*		*25 - 95*	*09/04/26 20:31*	*09/05/26 16:31*	*1*
Terphenyl-d14 (Surr)	*63*		*29 - 104*	*09/04/26 20:31*	*09/05/26 16:31*	*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)	0.39	U	0.39	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1

Client Sample ID: MW101-SB-09_6
Date Collected: 09/03/26 09:40
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-4
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 02:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84.7*		*8 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C5 PFPeA	*78.1*		*35 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C5 PFHxA	*78.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C4 PFHpA	*76.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C8 PFOA	*84.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C9 PFNA	*83.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C6 PFDA	*81.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C7 PFUnA	*50.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C2 PFTeDA	*19.8*	*	*20 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C3 PFBS	*88.1*		*40 - 135*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C3 PFHxS	*87.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C8 PFOS	*89.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C8 FOSA	*95.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
d3-NMeFOSAA	*40.2*		*40 - 135*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
d5-NEtFOSAA	*32.7*	*	*40 - 150*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C2 4:2 FTS	*150*		*40 - 165*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C2 6:2 FTS	*128*		*40 - 215*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C2 8:2 FTS	*115*		*40 - 275*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C3 HFPO-DA	*76.0*		*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
d7-N-MeFOSE-M	*53.1*		*20 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
d9-N-EtFOSE-M	*35.5*		*15 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
d5-NEtPFOSA	*72.3*		*10 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
d3-NMePFOSA	*83.2*		*10 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C2 PFDoA	*29.6*	*	*40 - 130*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C3-3:3 FTCA	*85.7*		*20 - 150*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C3-5:3 FTCA	*65.5*		*20 - 150*	*09/08/26 07:41*	*09/10/26 02:44*	*1*
13C3-PFDoS	*20.1*		*20 - 150*	*09/08/26 07:41*	*09/10/26 02:44*	*1*

Client Sample ID: MW101-SB-09_6

Lab Sample ID: 460-359015-4
Date Collected: 09/03/26 09:40
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**20.0**		0.61	0.20	mg/Kg	☼	09/05/26 13:53	09/06/26 21:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**17.3**		1.0	1.0	%			09/04/26 19:35	1
Percent Solids (EPA Moisture)	**82.7**		1.0	1.0	%			09/04/26 19:35	1

Client Sample ID: MW101-SB-08_4

Lab Sample ID: 460-359015-5
Date Collected: 09/03/26 09:50
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0025	U	0.0025	0.0014	mg/Kg	☼	09/05/26 09:38	09/08/26 15:06	1
Ethylbenzene	0.0025	U	0.0025	0.0012	mg/Kg	☼	09/05/26 09:38	09/08/26 15:06	1
Methyl tert-butyl ether	0.0025	U	0.0025	0.0013	mg/Kg	☼	09/05/26 09:38	09/08/26 15:06	1
Toluene	0.0025	U	0.0025	0.00058	mg/Kg	☼	09/05/26 09:38	09/08/26 15:06	1
Total BTEX	0.015	U	0.015	0.0029	mg/Kg	☼	09/05/26 09:38	09/08/26 15:06	1
Xylenes, Total	0.0049	U	0.0049	0.0010	mg/Kg	☼	09/05/26 09:38	09/08/26 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*	*09/05/26 09:38*	*09/08/26 15:06*	*1*
4-Bromofluorobenzene	*110*		*71 - 128*	*09/05/26 09:38*	*09/08/26 15:06*	*1*
Dibromofluoromethane (Surr)	*88*		*65 - 139*	*09/05/26 09:38*	*09/08/26 15:06*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*	*09/05/26 09:38*	*09/08/26 15:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.038	U	0.038	0.0035	mg/Kg	☼	09/04/26 20:31	09/05/26 16:56	1
Naphthalene	0.38	U	0.38	0.0030	mg/Kg	☼	09/04/26 20:31	09/05/26 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*14 - 104*	*09/04/26 20:31*	*09/05/26 16:56*	*1*
2-Fluorobiphenyl	*64*		*29 - 104*	*09/04/26 20:31*	*09/05/26 16:56*	*1*
2-Fluorophenol (Surr)	*65*		*22 - 99*	*09/04/26 20:31*	*09/05/26 16:56*	*1*
Nitrobenzene-d5 (Surr)	*66*		*26 - 97*	*09/04/26 20:31*	*09/05/26 16:56*	*1*
Phenol-d5 (Surr)	*71*		*25 - 95*	*09/04/26 20:31*	*09/05/26 16:56*	*1*
Terphenyl-d14 (Surr)	*69*		*29 - 104*	*09/04/26 20:31*	*09/05/26 16:56*	*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)	0.39	U	0.39	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluoropentanoic acid (PFPeA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorooctanoic acid (PFOA)	**0.37**		0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorononanoic acid (PFNA)	**0.16**	**J**	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluoroundecanoic acid (PFUnA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorotridecanoic acid (PFTrDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1

Client Sample ID: MW101-SB-08_4
Date Collected: 09/03/26 09:50
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-5
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 03:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86.2*		*8 - 130*	*09/08/26 07:41*	*09/10/26 03:25*	*1*

Client Sample ID: MW101-SB-08_4

Lab Sample ID: 460-359015-5

Date Collected: 09/03/26 09:50
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 87.7

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	78.1		35 - 130	09/08/26 07:41	09/10/26 03:25	1
13C5 PFHxA	79.4		40 - 130	09/08/26 07:41	09/10/26 03:25	1
13C4 PFHpA	78.3		40 - 130	09/08/26 07:41	09/10/26 03:25	1
13C8 PFOA	85.8		40 - 130	09/08/26 07:41	09/10/26 03:25	1
13C9 PFNA	82.9		40 - 130	09/08/26 07:41	09/10/26 03:25	1
13C6 PFDA	82.5		40 - 130	09/08/26 07:41	09/10/26 03:25	1
13C7 PFUnA	70.5		40 - 130	09/08/26 07:41	09/10/26 03:25	1
13C2 PFTeDA	52.4		20 - 130	09/08/26 07:41	09/10/26 03:25	1
13C3 PFBS	90.2		40 - 135	09/08/26 07:41	09/10/26 03:25	1
13C3 PFHxS	87.4		40 - 130	09/08/26 07:41	09/10/26 03:25	1
13C8 PFOS	85.6		40 - 130	09/08/26 07:41	09/10/26 03:25	1
13C8 FOSA	104		40 - 130	09/08/26 07:41	09/10/26 03:25	1
d3-NMeFOSAA	78.3		40 - 135	09/08/26 07:41	09/10/26 03:25	1
d5-NEtFOSAA	72.3		40 - 150	09/08/26 07:41	09/10/26 03:25	1
13C2 4:2 FTS	225	*	40 - 165	09/08/26 07:41	09/10/26 03:25	1
13C2 6:2 FTS	220	*	40 - 215	09/08/26 07:41	09/10/26 03:25	1
13C2 8:2 FTS	162		40 - 275	09/08/26 07:41	09/10/26 03:25	1
13C3 HFPO-DA	79.2		40 - 130	09/08/26 07:41	09/10/26 03:25	1
d7-N-MeFOSE-M	63.9		20 - 130	09/08/26 07:41	09/10/26 03:25	1
d9-N-EtFOSE-M	57.1		15 - 130	09/08/26 07:41	09/10/26 03:25	1
d5-NEtPFOSA	68.5		10 - 130	09/08/26 07:41	09/10/26 03:25	1
d3-NMePFOSA	75.5		10 - 130	09/08/26 07:41	09/10/26 03:25	1
13C2 PFDoA	58.1		40 - 130	09/08/26 07:41	09/10/26 03:25	1
13C3-3:3 FTCA	79.1		20 - 150	09/08/26 07:41	09/10/26 03:25	1
13C3-5:3 FTCA	74.3		20 - 150	09/08/26 07:41	09/10/26 03:25	1
13C3-PFDoS	50.5		20 - 150	09/08/26 07:41	09/10/26 03:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20.2		0.61	0.20	mg/Kg	☼	09/05/26 13:53	09/06/26 21:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.3		1.0	1.0	%			09/04/26 19:35	1
Percent Solids (EPA Moisture)	87.7		1.0	1.0	%			09/04/26 19:35	1

Client Sample ID: MW101-SB-08_7.5

Lab Sample ID: 460-359015-6

Date Collected: 09/03/26 10:00
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0010	U	0.0010	0.00058	mg/Kg	☼	09/05/26 09:39	09/08/26 15:29	1
Ethylbenzene	0.0010	U	0.0010	0.00048	mg/Kg	☼	09/05/26 09:39	09/08/26 15:29	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	09/05/26 09:39	09/08/26 15:29	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	09/05/26 09:39	09/08/26 15:29	1
Total BTEX	0.0062	U	0.0062	0.0012	mg/Kg	☼	09/05/26 09:39	09/08/26 15:29	1
Xylenes, Total	0.0021	U	0.0021	0.00043	mg/Kg	☼	09/05/26 09:39	09/08/26 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		65 - 138	09/05/26 09:39	09/08/26 15:29	1

Client Sample ID: MW101-SB-08_7.5

Date Collected: 09/03/26 10:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-6

Matrix: Solid
Percent Solids: 82.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*115*		*71 - 128*	*09/05/26 09:39*	*09/08/26 15:29*	*1*
Dibromofluoromethane (Surr)	*83*		*65 - 139*	*09/05/26 09:39*	*09/08/26 15:29*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*	*09/05/26 09:39*	*09/08/26 15:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.040	U	0.040	0.0037	mg/Kg	☼	09/04/26 20:31	09/05/26 20:59	1
Naphthalene	0.40	U	0.40	0.0032	mg/Kg	☼	09/04/26 20:31	09/05/26 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*59*		*14 - 104*	*09/04/26 20:31*	*09/05/26 20:59*	*1*
2-Fluorobiphenyl	*64*		*29 - 104*	*09/04/26 20:31*	*09/05/26 20:59*	*1*
2-Fluorophenol (Surr)	*68*		*22 - 99*	*09/04/26 20:31*	*09/05/26 20:59*	*1*
Nitrobenzene-d5 (Surr)	*66*		*26 - 97*	*09/04/26 20:31*	*09/05/26 20:59*	*1*
Phenol-d5 (Surr)	*70*		*25 - 95*	*09/04/26 20:31*	*09/05/26 20:59*	*1*
Terphenyl-d14 (Surr)	*68*		*29 - 104*	*09/04/26 20:31*	*09/05/26 20:59*	*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	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluoropentanoic acid (PFPeA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorooctanoic acid (PFOA)	0.19	U	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorononanoic acid (PFNA)	**0.13**	**J I**	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluoroundecanoic acid (PFUnA)	**1.92**		0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorotridecanoic acid (PFTrDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1

Client Sample ID: MW101-SB-08_7.5
Date Collected: 09/03/26 10:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-6
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 03:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.3*		*8 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C5 PFPeA	*74.5*		*35 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C5 PFHxA	*80.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C4 PFHpA	*76.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C8 PFOA	*85.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C9 PFNA	*91.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C6 PFDA	*88.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C7 PFUnA	*84.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C2 PFTeDA	*87.9*		*20 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C3 PFBS	*93.1*		*40 - 135*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C3 PFHxS	*86.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C8 PFOS	*93.0*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C8 FOSA	*132*	*	*40 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
d3-NMeFOSAA	*183*	*	*40 - 135*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
d5-NEtFOSAA	*155*	*	*40 - 150*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C2 4:2 FTS	*298*	*	*40 - 165*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C2 6:2 FTS	*291*	*	*40 - 215*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C2 8:2 FTS	*258*		*40 - 275*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
13C3 HFPO-DA	*77.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*
d7-N-MeFOSE-M	*71.6*		*20 - 130*	*09/08/26 07:41*	*09/10/26 03:38*	*1*

Client Sample ID: MW101-SB-08_7.5

Lab Sample ID: 460-359015-6
Date Collected: 09/03/26 10:00
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 82.5

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	64.1		15 - 130	09/08/26 07:41	09/10/26 03:38	1
d5-NEtPFOSA	75.0		10 - 130	09/08/26 07:41	09/10/26 03:38	1
d3-NMePFOSA	83.3		10 - 130	09/08/26 07:41	09/10/26 03:38	1
13C2 PFDoA	88.6		40 - 130	09/08/26 07:41	09/10/26 03:38	1
13C3-3:3 FTCA	82.1		20 - 150	09/08/26 07:41	09/10/26 03:38	1
13C3-5:3 FTCA	87.2		20 - 150	09/08/26 07:41	09/10/26 03:38	1
13C3-PFDoS	82.4		20 - 150	09/08/26 07:41	09/10/26 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**10.8**		0.65	0.22	mg/Kg	☼	09/05/26 13:53	09/06/26 21:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**17.5**		1.0	1.0	%			09/04/26 19:35	1
Percent Solids (EPA Moisture)	**82.5**		1.0	1.0	%			09/04/26 19:35	1

Client Sample ID: MW101-SB-07_3

Lab Sample ID: 460-359015-7
Date Collected: 09/03/26 10:10
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0011	U	0.0011	0.00060	mg/Kg	☼	09/05/26 09:40	09/08/26 15:52	1
Ethylbenzene	0.0011	U	0.0011	0.00050	mg/Kg	☼	09/05/26 09:40	09/08/26 15:52	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	09/05/26 09:40	09/08/26 15:52	1
Toluene	**0.00083**	**J**	0.0011	0.00025	mg/Kg	☼	09/05/26 09:40	09/08/26 15:52	1
Total BTEX	0.0064	U	0.0064	0.0012	mg/Kg	☼	09/05/26 09:40	09/08/26 15:52	1
Xylenes, Total	0.0021	U	0.0021	0.00045	mg/Kg	☼	09/05/26 09:40	09/08/26 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		65 - 138	09/05/26 09:40	09/08/26 15:52	1
4-Bromofluorobenzene	110		71 - 128	09/05/26 09:40	09/08/26 15:52	1
Dibromofluoromethane (Surr)	90		65 - 139	09/05/26 09:40	09/08/26 15:52	1
Toluene-d8 (Surr)	102		71 - 126	09/05/26 09:40	09/08/26 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.034	U	0.034	0.0032	mg/Kg	☼	09/04/26 20:31	09/05/26 17:20	1
Naphthalene	0.34	U	0.34	0.0028	mg/Kg	☼	09/04/26 20:31	09/05/26 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		14 - 104	09/04/26 20:31	09/05/26 17:20	1
2-Fluorobiphenyl	62		29 - 104	09/04/26 20:31	09/05/26 17:20	1
2-Fluorophenol (Surr)	68		22 - 99	09/04/26 20:31	09/05/26 17:20	1
Nitrobenzene-d5 (Surr)	66		26 - 97	09/04/26 20:31	09/05/26 17:20	1
Phenol-d5 (Surr)	72		25 - 95	09/04/26 20:31	09/05/26 17:20	1
Terphenyl-d14 (Surr)	73		29 - 104	09/04/26 20:31	09/05/26 17:20	1

Client Sample ID: MW101-SB-07_3
Date Collected: 09/03/26 10:10
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-7
Matrix: Solid
Percent Solids: 95.2

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	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluoropentanoic acid (PFPeA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorooctanoic acid (PFOA)	0.19	U	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorononanoic acid (PFNA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluoroundecanoic acid (PFUnA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorotridecanoic acid (PFTrDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.97	U	0.97	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.97	U	0.97	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1

Client Sample ID: MW101-SB-07_3
Date Collected: 09/03/26 10:10
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-7
Matrix: Solid
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.97	U	0.97	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.97	U	0.97	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 03:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77.7*		*8 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C5 PFPeA	*68.0*		*35 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C5 PFHxA	*69.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C4 PFHpA	*68.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C8 PFOA	*75.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C9 PFNA	*77.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C6 PFDA	*69.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C7 PFUnA	*58.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C2 PFTeDA	*28.8*		*20 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C3 PFBS	*80.7*		*40 - 135*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C3 PFHxS	*77.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C8 PFOS	*79.2*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C8 FOSA	*110*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
d3-NMeFOSAA	*60.0*		*40 - 135*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
d5-NEtFOSAA	*51.4*		*40 - 150*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C2 4:2 FTS	*199*	*	*40 - 165*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C2 6:2 FTS	*147*		*40 - 215*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C2 8:2 FTS	*127*		*40 - 275*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C3 HFPO-DA	*69.2*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
d7-N-MeFOSE-M	*61.8*		*20 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
d9-N-EtFOSE-M	*55.2*		*15 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
d5-NEtPFOSA	*67.9*		*10 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
d3-NMePFOSA	*77.8*		*10 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C2 PFDoA	*53.0*		*40 - 130*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C3-3:3 FTCA	*68.9*		*20 - 150*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C3-5:3 FTCA	*66.3*		*20 - 150*	*09/08/26 07:41*	*09/10/26 03:52*	*1*
13C3-PFDoS	*33.7*		*20 - 150*	*09/08/26 07:41*	*09/10/26 03:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**24.4**		0.63	0.21	mg/Kg	☼	09/05/26 13:53	09/06/26 20:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.8**		1.0	1.0	%			09/04/26 19:35	1
Percent Solids (EPA Moisture)	**95.2**		1.0	1.0	%			09/04/26 19:35	1

Client Sample ID: MW101-SB-07_5

Date Collected: 09/03/26 10:20
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-8

Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00096	U	0.00096	0.00054	mg/Kg	☼	09/05/26 09:41	09/08/26 16:15	1
Ethylbenzene	0.00096	U	0.00096	0.00045	mg/Kg	☼	09/05/26 09:41	09/08/26 16:15	1
Methyl tert-butyl ether	0.00096	U	0.00096	0.00049	mg/Kg	☼	09/05/26 09:41	09/08/26 16:15	1
Toluene	0.00096	U	0.00096	0.00022	mg/Kg	☼	09/05/26 09:41	09/08/26 16:15	1
Total BTEX	0.0057	U	0.0057	0.0011	mg/Kg	☼	09/05/26 09:41	09/08/26 16:15	1
Xylenes, Total	0.0019	U	0.0019	0.00041	mg/Kg	☼	09/05/26 09:41	09/08/26 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*65 - 138*	*09/05/26 09:41*	*09/08/26 16:15*	*1*
4-Bromofluorobenzene	*114*		*71 - 128*	*09/05/26 09:41*	*09/08/26 16:15*	*1*
Dibromofluoromethane (Surr)	*89*		*65 - 139*	*09/05/26 09:41*	*09/08/26 16:15*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*	*09/05/26 09:41*	*09/08/26 16:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.039	U	0.039	0.0036	mg/Kg	☼	09/04/26 20:31	09/05/26 17:45	1
Naphthalene	0.39	U	0.39	0.0031	mg/Kg	☼	09/04/26 20:31	09/05/26 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*14 - 104*	*09/04/26 20:31*	*09/05/26 17:45*	*1*
2-Fluorobiphenyl	*64*		*29 - 104*	*09/04/26 20:31*	*09/05/26 17:45*	*1*
2-Fluorophenol (Surr)	*67*		*22 - 99*	*09/04/26 20:31*	*09/05/26 17:45*	*1*
Nitrobenzene-d5 (Surr)	*65*		*26 - 97*	*09/04/26 20:31*	*09/05/26 17:45*	*1*
Phenol-d5 (Surr)	*71*		*25 - 95*	*09/04/26 20:31*	*09/05/26 17:45*	*1*
Terphenyl-d14 (Surr)	*69*		*29 - 104*	*09/04/26 20:31*	*09/05/26 17:45*	*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	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1

Client Sample ID: MW101-SB-07_5
Date Collected: 09/03/26 10:20
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-8
Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.98	U	0.98	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.98	U	0.98	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.98	U	0.98	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.98	U	0.98	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.8*		*8 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C5 PFPeA	*74.6*		*35 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C5 PFHxA	*78.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C4 PFHpA	*77.9*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C8 PFOA	*91.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C9 PFNA	*85.9*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C6 PFDA	*79.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C7 PFUnA	*67.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C2 PFTeDA	*31.5*		*20 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C3 PFBS	*98.9*		*40 - 135*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C3 PFHxS	*93.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*
13C8 PFOS	*88.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:05*	*1*

Client Sample ID: MW101-SB-07_5

Lab Sample ID: 460-359015-8
Date Collected: 09/03/26 10:20
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 84.6

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	134	*	40 - 130	09/08/26 07:41	09/10/26 04:05	1
d3-NMeFOSAA	82.0		40 - 135	09/08/26 07:41	09/10/26 04:05	1
d5-NEtFOSAA	75.9		40 - 150	09/08/26 07:41	09/10/26 04:05	1
13C2 4:2 FTS	276	*	40 - 165	09/08/26 07:41	09/10/26 04:05	1
13C2 6:2 FTS	223	*	40 - 215	09/08/26 07:41	09/10/26 04:05	1
13C2 8:2 FTS	164		40 - 275	09/08/26 07:41	09/10/26 04:05	1
13C3 HFPO-DA	78.3		40 - 130	09/08/26 07:41	09/10/26 04:05	1
d7-N-MeFOSE-M	67.9		20 - 130	09/08/26 07:41	09/10/26 04:05	1
d9-N-EtFOSE-M	57.9		15 - 130	09/08/26 07:41	09/10/26 04:05	1
d5-NEtPFOSA	78.5		10 - 130	09/08/26 07:41	09/10/26 04:05	1
d3-NMePFOSA	91.5		10 - 130	09/08/26 07:41	09/10/26 04:05	1
13C2 PFDoA	55.9		40 - 130	09/08/26 07:41	09/10/26 04:05	1
13C3-3:3 FTCA	78.2		20 - 150	09/08/26 07:41	09/10/26 04:05	1
13C3-5:3 FTCA	83.1		20 - 150	09/08/26 07:41	09/10/26 04:05	1
13C3-PFDoS	37.9		20 - 150	09/08/26 07:41	09/10/26 04:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19.5		0.63	0.21	mg/Kg	☼	09/05/26 13:53	09/06/26 21:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	15.4		1.0	1.0	%			09/04/26 19:35	1
Percent Solids (EPA Moisture)	84.6		1.0	1.0	%			09/04/26 19:35	1

Client Sample ID: MW101-SB-05_4

Lab Sample ID: 460-359015-9
Date Collected: 09/03/26 10:50
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.42		0.35	0.070	mg/Kg	☼	09/05/26 13:22	09/10/26 14:36	50
Ethylbenzene	3.5		0.35	0.10	mg/Kg	☼	09/05/26 13:22	09/10/26 14:36	50
Methyl tert-butyl ether	0.35	U	0.35	0.074	mg/Kg	☼	09/05/26 13:22	09/10/26 14:36	50
Toluene	0.48		0.35	0.087	mg/Kg	☼	09/05/26 13:22	09/10/26 14:36	50
Total BTEX	17		2.1	0.097	mg/Kg	☼	09/05/26 13:22	09/10/26 14:36	50
Xylenes, Total	13		0.69	0.097	mg/Kg	☼	09/05/26 13:22	09/10/26 14:36	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		60 - 150	09/05/26 13:22	09/10/26 14:36	50
4-Bromofluorobenzene	136		70 - 150	09/05/26 13:22	09/10/26 14:36	50
Dibromofluoromethane (Surr)	126		68 - 150	09/05/26 13:22	09/10/26 14:36	50
Toluene-d8 (Surr)	128		64 - 157	09/05/26 13:22	09/10/26 14:36	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.23		0.20	0.019	mg/Kg	☼	09/04/26 20:31	09/05/26 22:58	5
Naphthalene	1.3	J	2.0	0.016	mg/Kg	☼	09/04/26 20:31	09/05/26 22:58	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	45		14 - 104	09/04/26 20:31	09/05/26 22:58	5

Client Sample ID: MW101-SB-05_4
Date Collected: 09/03/26 10:50
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-9
Matrix: Solid
Percent Solids: 80.7

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*29 - 104*	*09/04/26 20:31*	*09/05/26 22:58*	*5*
2-Fluorophenol (Surr)	*47*		*22 - 99*	*09/04/26 20:31*	*09/05/26 22:58*	*5*
Nitrobenzene-d5 (Surr)	*58*		*26 - 97*	*09/04/26 20:31*	*09/05/26 22:58*	*5*
Phenol-d5 (Surr)	*51*		*25 - 95*	*09/04/26 20:31*	*09/05/26 22:58*	*5*
Terphenyl-d14 (Surr)	*54*		*29 - 104*	*09/04/26 20:31*	*09/05/26 22:58*	*5*

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	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1

Client Sample ID: MW101-SB-05_4
Date Collected: 09/03/26 10:50
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-9
Matrix: Solid
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79.1*		*8 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C5 PFPeA	*59.3*		*35 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C5 PFHxA	*66.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C4 PFHpA	*63.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C8 PFOA	*78.9*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C9 PFNA	*84.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C6 PFDA	*89.0*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C7 PFUnA	*86.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C2 PFTeDA	*75.6*		*20 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C3 PFBS	*94.6*		*40 - 135*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C3 PFHxS	*87.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C8 PFOS	*84.2*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C8 FOSA	*108*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
d3-NMeFOSAA	*183*	*	*40 - 135*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
d5-NEtFOSAA	*157*	*	*40 - 150*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C2 4:2 FTS	*295*	*	*40 - 165*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C2 6:2 FTS	*290*	*	*40 - 215*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C2 8:2 FTS	*281*	*	*40 - 275*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C3 HFPO-DA	*69.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
d7-N-MeFOSE-M	*58.6*		*20 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
d9-N-EtFOSE-M	*43.3*		*15 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
d5-NEtPFOSA	*50.4*		*10 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
d3-NMePFOSA	*64.0*		*10 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C2 PFDoA	*99.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C3-3:3 FTCA	*73.6*		*20 - 150*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C3-5:3 FTCA	*88.7*		*20 - 150*	*09/08/26 07:41*	*09/10/26 04:19*	*1*
13C3-PFDoS	*61.5*		*20 - 150*	*09/08/26 07:41*	*09/10/26 04:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4010**		3.3	1.1	mg/Kg	☼	09/05/26 13:53	09/06/26 21:36	5

Client Sample ID: MW101-SB-05_4

Lab Sample ID: 460-359015-9
Date Collected: 09/03/26 10:50
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 80.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**19.3**		1.0	1.0	%			09/04/26 19:45	1
Percent Solids (EPA Moisture)	**80.7**		1.0	1.0	%			09/04/26 19:45	1

Client Sample ID: MW101-SB-05_8.5

Lab Sample ID: 460-359015-10
Date Collected: 09/03/26 11:00
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.11	U	0.11	0.022	mg/Kg	☼	09/05/26 13:22	09/09/26 20:10	50
Ethylbenzene	0.11	U	0.11	0.033	mg/Kg	☼	09/05/26 13:22	09/09/26 20:10	50
Methyl tert-butyl ether	0.11	U	0.11	0.024	mg/Kg	☼	09/05/26 13:22	09/09/26 20:10	50
Toluene	0.11	U	0.11	0.028	mg/Kg	☼	09/05/26 13:22	09/09/26 20:10	50
Total BTEX	0.66	U	0.66	0.031	mg/Kg	☼	09/05/26 13:22	09/09/26 20:10	50
Xylenes, Total	0.22	U	0.22	0.031	mg/Kg	☼	09/05/26 13:22	09/09/26 20:10	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*60 - 150*	*09/05/26 13:22*	*09/09/26 20:10*	*50*
4-Bromofluorobenzene	*113*		*70 - 150*	*09/05/26 13:22*	*09/09/26 20:10*	*50*
Dibromofluoromethane (Surr)	*107*		*68 - 150*	*09/05/26 13:22*	*09/09/26 20:10*	*50*
Toluene-d8 (Surr)	*108*		*64 - 157*	*09/05/26 13:22*	*09/09/26 20:10*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.73**		0.038	0.0036	mg/Kg	☼	09/04/26 20:31	09/05/26 20:11	1
Naphthalene	0.38	U	0.38	0.0031	mg/Kg	☼	09/04/26 20:31	09/05/26 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*14 - 104*	*09/04/26 20:31*	*09/05/26 20:11*	*1*
2-Fluorobiphenyl	*62*		*29 - 104*	*09/04/26 20:31*	*09/05/26 20:11*	*1*
2-Fluorophenol (Surr)	*61*		*22 - 99*	*09/04/26 20:31*	*09/05/26 20:11*	*1*
Nitrobenzene-d5 (Surr)	*74*		*26 - 97*	*09/04/26 20:31*	*09/05/26 20:11*	*1*
Phenol-d5 (Surr)	*67*		*25 - 95*	*09/04/26 20:31*	*09/05/26 20:11*	*1*
Terphenyl-d14 (Surr)	*58*		*29 - 104*	*09/04/26 20:31*	*09/05/26 20:11*	*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	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorononanoic acid (PFNA)	**0.14**	**J**	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorodecanoic acid (PFDA)	**0.13**	**J**	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluoroundecanoic acid (PFUnA)	**1.61**		0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1

Client Sample ID: MW101-SB-05_8.5
Date Collected: 09/03/26 11:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-10
Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.32**	**J**	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.98	U	0.98	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.98	U	0.98	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.098	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.98	U	0.98	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.98	U	0.98	0.49	ug/Kg	☼	09/08/26 07:41	09/10/26 04:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82.5*		*8 - 130*	*09/08/26 07:41*	*09/10/26 04:59*	*1*
13C5 PFPeA	*76.0*		*35 - 130*	*09/08/26 07:41*	*09/10/26 04:59*	*1*
13C5 PFHxA	*80.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 04:59*	*1*

Client Sample ID: MW101-SB-05_8.5

Lab Sample ID: 460-359015-10

Date Collected: 09/03/26 11:00
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 86.1

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	75.9		40 - 130	09/08/26 07:41	09/10/26 04:59	1
13C8 PFOA	80.8		40 - 130	09/08/26 07:41	09/10/26 04:59	1
13C9 PFNA	76.5		40 - 130	09/08/26 07:41	09/10/26 04:59	1
13C6 PFDA	73.5		40 - 130	09/08/26 07:41	09/10/26 04:59	1
13C7 PFUnA	69.4		40 - 130	09/08/26 07:41	09/10/26 04:59	1
13C2 PFTeDA	72.7		20 - 130	09/08/26 07:41	09/10/26 04:59	1
13C3 PFBS	84.9		40 - 135	09/08/26 07:41	09/10/26 04:59	1
13C3 PFHxS	82.8		40 - 130	09/08/26 07:41	09/10/26 04:59	1
13C8 PFOS	75.7		40 - 130	09/08/26 07:41	09/10/26 04:59	1
13C8 FOSA	109		40 - 130	09/08/26 07:41	09/10/26 04:59	1
d3-NMeFOSAA	97.5		40 - 135	09/08/26 07:41	09/10/26 04:59	1
d5-NEtFOSAA	87.9		40 - 150	09/08/26 07:41	09/10/26 04:59	1
13C2 4:2 FTS	103		40 - 165	09/08/26 07:41	09/10/26 04:59	1
13C2 6:2 FTS	114		40 - 215	09/08/26 07:41	09/10/26 04:59	1
13C2 8:2 FTS	136		40 - 275	09/08/26 07:41	09/10/26 04:59	1
13C3 HFPO-DA	75.7		40 - 130	09/08/26 07:41	09/10/26 04:59	1
d7-N-MeFOSE-M	65.4		20 - 130	09/08/26 07:41	09/10/26 04:59	1
d9-N-EtFOSE-M	57.3		15 - 130	09/08/26 07:41	09/10/26 04:59	1
d5-NEtPFOSA	61.1		10 - 130	09/08/26 07:41	09/10/26 04:59	1
d3-NMePFOSA	71.0		10 - 130	09/08/26 07:41	09/10/26 04:59	1
13C2 PFDoA	69.7		40 - 130	09/08/26 07:41	09/10/26 04:59	1
13C3-3:3 FTCA	76.8		20 - 150	09/08/26 07:41	09/10/26 04:59	1
13C3-5:3 FTCA	74.4		20 - 150	09/08/26 07:41	09/10/26 04:59	1
13C3-PFDoS	62.7		20 - 150	09/08/26 07:41	09/10/26 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.2		0.63	0.21	mg/Kg	☼	09/05/26 13:53	09/06/26 21:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.9		1.0	1.0	%			09/04/26 19:45	1
Percent Solids (EPA Moisture)	86.1		1.0	1.0	%			09/04/26 19:45	1

Client Sample ID: MW101-SB-04_5

Lab Sample ID: 460-359015-11

Date Collected: 09/03/26 11:15
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0011	U	0.0011	0.00065	mg/Kg	☼	09/05/26 09:44	09/08/26 16:39	1
Ethylbenzene	0.0011	U	0.0011	0.00053	mg/Kg	☼	09/05/26 09:44	09/08/26 16:39	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00058	mg/Kg	☼	09/05/26 09:44	09/08/26 16:39	1
Toluene	0.0011	U	0.0011	0.00027	mg/Kg	☼	09/05/26 09:44	09/08/26 16:39	1
Total BTEX	0.0068	U	0.0068	0.0013	mg/Kg	☼	09/05/26 09:44	09/08/26 16:39	1
Xylenes, Total	0.0023	U	0.0023	0.00048	mg/Kg	☼	09/05/26 09:44	09/08/26 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		65 - 138	09/05/26 09:44	09/08/26 16:39	1
4-Bromofluorobenzene	109		71 - 128	09/05/26 09:44	09/08/26 16:39	1
Dibromofluoromethane (Surr)	90		65 - 139	09/05/26 09:44	09/08/26 16:39	1

Client Sample ID: MW101-SB-04_5

Date Collected: 09/03/26 11:15
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-11

Matrix: Solid
Percent Solids: 87.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*71 - 126*	*09/05/26 09:44*	*09/08/26 16:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.038	U	0.038	0.0035	mg/Kg	☼	09/04/26 20:31	09/05/26 14:28	1
Naphthalene	0.38	U	0.38	0.0030	mg/Kg	☼	09/04/26 20:31	09/05/26 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*66*		*14 - 104*	*09/04/26 20:31*	*09/05/26 14:28*	*1*
2-Fluorobiphenyl	*74*		*29 - 104*	*09/04/26 20:31*	*09/05/26 14:28*	*1*
2-Fluorophenol (Surr)	*80*		*22 - 99*	*09/04/26 20:31*	*09/05/26 14:28*	*1*
Nitrobenzene-d5 (Surr)	*82*		*26 - 97*	*09/04/26 20:31*	*09/05/26 14:28*	*1*
Phenol-d5 (Surr)	*83*		*25 - 95*	*09/04/26 20:31*	*09/05/26 14:28*	*1*
Terphenyl-d14 (Surr)	*78*		*29 - 104*	*09/04/26 20:31*	*09/05/26 14:28*	*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	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.060	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.060	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluoroundecanoic acid (PFUnA)	**0.61**		0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1

Client Sample ID: MW101-SB-04_5
Date Collected: 09/03/26 11:15
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-11
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.3*		*8 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C5 PFPeA	*90.0*		*35 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C5 PFHxA	*91.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C4 PFHpA	*91.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C8 PFOA	*94.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C9 PFNA	*85.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C6 PFDA	*88.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C7 PFUnA	*82.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C2 PFTeDA	*60.7*		*20 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C3 PFBS	*91.7*		*40 - 135*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C3 PFHxS	*91.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C8 PFOS	*83.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C8 FOSA	*90.9*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
d3-NMeFOSAA	*75.1*		*40 - 135*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
d5-NEtFOSAA	*72.7*		*40 - 150*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C2 4:2 FTS	*90.1*		*40 - 165*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C2 6:2 FTS	*98.8*		*40 - 215*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C2 8:2 FTS	*127*		*40 - 275*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
13C3 HFPO-DA	*82.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
d7-N-MeFOSE-M	*47.8*		*20 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
d9-N-EtFOSE-M	*40.6*		*15 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*
d5-NEtPFOSA	*64.8*		*10 - 130*	*09/08/26 07:41*	*09/10/26 05:13*	*1*

Client Sample ID: MW101-SB-04_5

Lab Sample ID: 460-359015-11
Date Collected: 09/03/26 11:15
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 87.7

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMePFOSA	71.3		10 - 130	09/08/26 07:41	09/10/26 05:13	1
13C2 PFDoA	75.2		40 - 130	09/08/26 07:41	09/10/26 05:13	1
13C3-3:3 FTCA	87.1		20 - 150	09/08/26 07:41	09/10/26 05:13	1
13C3-5:3 FTCA	85.5		20 - 150	09/08/26 07:41	09/10/26 05:13	1
13C3-PFDoS	58.1		20 - 150	09/08/26 07:41	09/10/26 05:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.7		0.58	0.19	mg/Kg	☼	09/05/26 13:53	09/06/26 21:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.3		1.0	1.0	%			09/04/26 19:45	1
Percent Solids (EPA Moisture)	87.7		1.0	1.0	%			09/04/26 19:45	1

Client Sample ID: WW101-SB-04_7

Lab Sample ID: 460-359015-12
Date Collected: 09/03/26 11:30
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0010	U	0.0010	0.00059	mg/Kg	☼	09/05/26 09:45	09/08/26 17:02	1
Ethylbenzene	0.0010	U	0.0010	0.00049	mg/Kg	☼	09/05/26 09:45	09/08/26 17:02	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	09/05/26 09:45	09/08/26 17:02	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	09/05/26 09:45	09/08/26 17:02	1
Total BTEX	0.0062	U	0.0062	0.0012	mg/Kg	☼	09/05/26 09:45	09/08/26 17:02	1
Xylenes, Total	0.0021	U	0.0021	0.00044	mg/Kg	☼	09/05/26 09:45	09/08/26 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		65 - 138	09/05/26 09:45	09/08/26 17:02	1
4-Bromofluorobenzene	111		71 - 128	09/05/26 09:45	09/08/26 17:02	1
Dibromofluoromethane (Surr)	89		65 - 139	09/05/26 09:45	09/08/26 17:02	1
Toluene-d8 (Surr)	103		71 - 126	09/05/26 09:45	09/08/26 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.039	U	0.039	0.0037	mg/Kg	☼	09/04/26 20:31	09/05/26 18:10	1
Naphthalene	0.39	U	0.39	0.0031	mg/Kg	☼	09/04/26 20:31	09/05/26 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	58		14 - 104	09/04/26 20:31	09/05/26 18:10	1
2-Fluorobiphenyl	54		29 - 104	09/04/26 20:31	09/05/26 18:10	1
2-Fluorophenol (Surr)	56		22 - 99	09/04/26 20:31	09/05/26 18:10	1
Nitrobenzene-d5 (Surr)	57		26 - 97	09/04/26 20:31	09/05/26 18:10	1
Phenol-d5 (Surr)	60		25 - 95	09/04/26 20:31	09/05/26 18:10	1
Terphenyl-d14 (Surr)	70		29 - 104	09/04/26 20:31	09/05/26 18:10	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	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluoropentanoic acid (PFPeA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1

Client Sample ID: WW101-SB-04_7
Date Collected: 09/03/26 11:30
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-12
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorooctanoic acid (PFOA)	0.19	U	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorononanoic acid (PFNA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.058	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluoroundecanoic acid (PFUnA)	**0.39**		0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorotridecanoic acid (PFTrDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1

Client Sample ID: WW101-SB-04_7
Date Collected: 09/03/26 11:30
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-12
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.19	U	0.19	0.097	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.39	U	0.39	0.19	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.97	U	0.97	0.48	ug/Kg	☼	09/08/26 07:41	09/10/26 05:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.9*		*8 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C5 PFPeA	*91.3*		*35 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C5 PFHxA	*88.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C4 PFHpA	*90.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C8 PFOA	*89.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C9 PFNA	*83.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C6 PFDA	*83.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C7 PFUnA	*77.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C2 PFTeDA	*69.0*		*20 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C3 PFBS	*89.7*		*40 - 135*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C3 PFHxS	*84.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C8 PFOS	*83.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C8 FOSA	*90.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
d3-NMeFOSAA	*82.4*		*40 - 135*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
d5-NEtFOSAA	*77.1*		*40 - 150*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C2 4:2 FTS	*90.6*		*40 - 165*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C2 6:2 FTS	*96.0*		*40 - 215*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C2 8:2 FTS	*112*		*40 - 275*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C3 HFPO-DA	*80.8*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
d7-N-MeFOSE-M	*54.3*		*20 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
d9-N-EtFOSE-M	*50.0*		*15 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
d5-NEtPFOSA	*76.5*		*10 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
d3-NMePFOSA	*76.9*		*10 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C2 PFDoA	*75.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C3-3:3 FTCA	*94.1*		*20 - 150*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C3-5:3 FTCA	*86.8*		*20 - 150*	*09/08/26 07:41*	*09/10/26 05:26*	*1*
13C3-PFDoS	*69.1*		*20 - 150*	*09/08/26 07:41*	*09/10/26 05:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**7.0**		0.64	0.21	mg/Kg	☼	09/05/26 13:53	09/06/26 21:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**16.1**		1.0	1.0	%			09/04/26 19:45	1
Percent Solids (EPA Moisture)	**83.9**		1.0	1.0	%			09/04/26 19:45	1

Client Sample ID: WW101-SB-06_5
Date Collected: 09/03/26 11:45
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-13
Matrix: Solid
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.52**		0.23	0.046	mg/Kg	☼	09/05/26 13:24	09/09/26 19:47	50
Ethylbenzene	**1.1**		0.23	0.069	mg/Kg	☼	09/05/26 13:24	09/09/26 19:47	50
Methyl tert-butyl ether	0.23	U	0.23	0.049	mg/Kg	☼	09/05/26 13:24	09/09/26 19:47	50
Toluene	**0.62**		0.23	0.057	mg/Kg	☼	09/05/26 13:24	09/09/26 19:47	50
Total BTEX	**4.7**		1.4	0.064	mg/Kg	☼	09/05/26 13:24	09/09/26 19:47	50
Xylenes, Total	**2.5**		0.46	0.064	mg/Kg	☼	09/05/26 13:24	09/09/26 19:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*60 - 150*	*09/05/26 13:24*	*09/09/26 19:47*	*50*
4-Bromofluorobenzene	*116*		*70 - 150*	*09/05/26 13:24*	*09/09/26 19:47*	*50*
Dibromofluoromethane (Surr)	*110*		*68 - 150*	*09/05/26 13:24*	*09/09/26 19:47*	*50*
Toluene-d8 (Surr)	*112*		*64 - 157*	*09/05/26 13:24*	*09/09/26 19:47*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**3.7**		0.037	0.0035	mg/Kg	☼	09/04/26 20:31	09/05/26 21:46	1
Naphthalene	**7.6**		0.37	0.0030	mg/Kg	☼	09/04/26 20:31	09/05/26 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*14 - 104*	*09/04/26 20:31*	*09/05/26 21:46*	*1*
2-Fluorobiphenyl	*57*		*29 - 104*	*09/04/26 20:31*	*09/05/26 21:46*	*1*
2-Fluorophenol (Surr)	*52*		*22 - 99*	*09/04/26 20:31*	*09/05/26 21:46*	*1*
Nitrobenzene-d5 (Surr)	*59*		*26 - 97*	*09/04/26 20:31*	*09/05/26 21:46*	*1*
Phenol-d5 (Surr)	*59*		*25 - 95*	*09/04/26 20:31*	*09/05/26 21:46*	*1*
Terphenyl-d14 (Surr)	*58*		*29 - 104*	*09/04/26 20:31*	*09/05/26 21:46*	*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	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.060	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorononanoic acid (PFNA)	**0.43**		0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorodecanoic acid (PFDA)	**0.094**	**J**	0.20	0.060	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluoroundecanoic acid (PFUnA)	**0.93**		0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorotridecanoic acid (PFTrDA)	**0.22**		0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorooctanesulfonic acid (PFOS)	**0.28**		0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1

Client Sample ID: WW101-SB-06_5
Date Collected: 09/03/26 11:45
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-13
Matrix: Solid
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.26**	**J**	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.00	U	1.00	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.00	U	1.00	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.00	U	1.00	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.00	U	1.00	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76.3*		*8 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C5 PFPeA	*71.0*		*35 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C5 PFHxA	*69.2*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C4 PFHpA	*73.0*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C8 PFOA	*78.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C9 PFNA	*75.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C6 PFDA	*80.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C7 PFUnA	*74.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C2 PFTeDA	*82.0*		*20 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C3 PFBS	*81.9*		*40 - 135*	*09/08/26 07:41*	*09/10/26 05:40*	*1*

Client Sample ID: WW101-SB-06_5

Lab Sample ID: 460-359015-13
Date Collected: 09/03/26 11:45
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 87.5

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 PFHxS	*76.9*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C8 PFOS	*74.1*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C8 FOSA	*116*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
d3-NMeFOSAA	*120*		*40 - 135*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
d5-NEtFOSAA	*112*		*40 - 150*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C2 4:2 FTS	*136*		*40 - 165*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C2 6:2 FTS	*149*		*40 - 215*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C2 8:2 FTS	*164*		*40 - 275*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C3 HFPO-DA	*71.2*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
d7-N-MeFOSE-M	*65.1*		*20 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
d9-N-EtFOSE-M	*56.4*		*15 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
d5-NEtPFOSA	*73.5*		*10 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
d3-NMePFOSA	*80.1*		*10 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C2 PFDoA	*76.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C3-3:3 FTCA	*70.2*		*20 - 150*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C3-5:3 FTCA	*68.8*		*20 - 150*	*09/08/26 07:41*	*09/10/26 05:40*	*1*
13C3-PFDoS	*68.5*		*20 - 150*	*09/08/26 07:41*	*09/10/26 05:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**121**		0.58	0.19	mg/Kg	☼	09/05/26 13:53	09/06/26 21:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.5**		1.0	1.0	%			09/04/26 19:45	1
Percent Solids (EPA Moisture)	**87.5**		1.0	1.0	%			09/04/26 19:45	1

Client Sample ID: WW101-SB-06_9

Lab Sample ID: 460-359015-14
Date Collected: 09/03/26 12:00
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0019**		0.00099	0.00056	mg/Kg	☼	09/05/26 09:48	09/09/26 13:50	1
Ethylbenzene	0.00099	U	0.00099	0.00046	mg/Kg	☼	09/05/26 09:48	09/09/26 13:50	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	09/05/26 09:48	09/09/26 13:50	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	09/05/26 09:48	09/09/26 13:50	1
Total BTEX	**0.0019**	**J**	0.0059	0.0011	mg/Kg	☼	09/05/26 09:48	09/09/26 13:50	1
Xylenes, Total	0.0020	U	0.0020	0.00042	mg/Kg	☼	09/05/26 09:48	09/09/26 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*09/05/26 09:48*	*09/09/26 13:50*	*1*
4-Bromofluorobenzene	*111*		*71 - 128*	*09/05/26 09:48*	*09/09/26 13:50*	*1*
Dibromofluoromethane (Surr)	*81*		*65 - 139*	*09/05/26 09:48*	*09/09/26 13:50*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*	*09/05/26 09:48*	*09/09/26 13:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.039	U	0.039	0.0036	mg/Kg	☼	09/04/26 20:31	09/05/26 18:35	1
Naphthalene	0.39	U	0.39	0.0031	mg/Kg	☼	09/04/26 20:31	09/05/26 18:35	1

Client Sample ID: WW101-SB-06_9

Date Collected: 09/03/26 12:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-14

Matrix: Solid
Percent Solids: 84.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*53*		*14 - 104*	*09/04/26 20:31*	*09/05/26 18:35*	*1*
2-Fluorobiphenyl	*56*		*29 - 104*	*09/04/26 20:31*	*09/05/26 18:35*	*1*
2-Fluorophenol (Surr)	*63*		*22 - 99*	*09/04/26 20:31*	*09/05/26 18:35*	*1*
Nitrobenzene-d5 (Surr)	*63*		*26 - 97*	*09/04/26 20:31*	*09/05/26 18:35*	*1*
Phenol-d5 (Surr)	*65*		*25 - 95*	*09/04/26 20:31*	*09/05/26 18:35*	*1*
Terphenyl-d14 (Surr)	*68*		*29 - 104*	*09/04/26 20:31*	*09/05/26 18:35*	*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	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.059	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluoroundecanoic acid (PFUnA)	**0.38**		0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.20**	**J**	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1

Client Sample ID: WW101-SB-06_9
Date Collected: 09/03/26 12:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-14
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.099	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.50	ug/Kg	☼	09/08/26 07:41	09/10/26 05:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.7*		*8 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C5 PFPeA	*93.3*		*35 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C5 PFHxA	*93.0*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C4 PFHpA	*90.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C8 PFOA	*89.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C9 PFNA	*89.9*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C6 PFDA	*83.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C7 PFUnA	*79.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C2 PFTeDA	*71.0*		*20 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C3 PFBS	*90.1*		*40 - 135*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C3 PFHxS	*87.5*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C8 PFOS	*85.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C8 FOSA	*94.9*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
d3-NMeFOSAA	*83.9*		*40 - 135*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
d5-NEtFOSAA	*72.1*		*40 - 150*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C2 4:2 FTS	*90.3*		*40 - 165*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C2 6:2 FTS	*101*		*40 - 215*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C2 8:2 FTS	*91.7*		*40 - 275*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C3 HFPO-DA	*85.0*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
d7-N-MeFOSE-M	*71.0*		*20 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
d9-N-EtFOSE-M	*67.3*		*15 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
d5-NEtPFOSA	*75.7*		*10 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
d3-NMePFOSA	*79.8*		*10 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C2 PFDoA	*73.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C3-3:3 FTCA	*98.5*		*20 - 150*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C3-5:3 FTCA	*90.8*		*20 - 150*	*09/08/26 07:41*	*09/10/26 05:54*	*1*
13C3-PFDoS	*72.5*		*20 - 150*	*09/08/26 07:41*	*09/10/26 05:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.7**		0.64	0.21	mg/Kg	☼	09/05/26 13:53	09/06/26 21:55	1

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

Job ID: 460-359015-1

Client Sample ID: WW101-SB-06_9

Lab Sample ID: 460-359015-14
Date Collected: 09/03/26 12:00
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 84.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	15.6		1.0	1.0	%			09/04/26 19:45	1
Percent Solids (EPA Moisture)	84.4		1.0	1.0	%			09/04/26 19:45	1

Client Sample ID: TB-01_20260903

Lab Sample ID: 460-359015-15
Date Collected: 09/03/26 00:00
Matrix: Water
Date Received: 09/03/26 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.45	U	0.45	0.070	ug/L			09/08/26 10:46	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/08/26 10:46	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/08/26 10:46	1
Toluene	1.0	U	1.0	0.38	ug/L			09/08/26 10:46	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/08/26 10:46	1
Total BTEX	0.45	U	0.45	0.30	ug/L			09/08/26 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*		*09/08/26 10:46*	*1*
4-Bromofluorobenzene	*93*		*76 - 120*		*09/08/26 10:46*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 132*		*09/08/26 10:46*	*1*
Toluene-d8 (Surr)	*101*		*81 - 121*		*09/08/26 10:46*	*1*

Surrogate Summary

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

Job ID: 460-359015-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(65-139)	(71-126)
460-359015-1	MW101-SB-10_4	105	140 *	86	107
460-359015-2	MW101-SB-10_6	95	142 *	83	109
460-359015-4	MW101-SB-09_6	96	114	78	98
460-359015-5	MW101-SB-08_4	89	110	88	103
460-359015-6	MW101-SB-08_7.5	87	115	83	106
460-359015-7	MW101-SB-07_3	89	110	90	102
460-359015-8	MW101-SB-07_5	88	114	89	103
460-359015-11	MW101-SB-04_5	87	109	90	102
460-359015-12	WW101-SB-04_7	88	111	89	103
460-359015-14	WW101-SB-06_9	92	111	81	103
LCS 460-1130363/3	Lab Control Sample	89	108	85	106
LCS 460-1130565/3	Lab Control Sample	87	110	87	104
LCSD 460-1130363/4	Lab Control Sample Dup	89	108	85	106
LCSD 460-1130565/4	Lab Control Sample Dup	86	110	87	104
MB 460-1130363/7	Method Blank	84	109	85	105
MB 460-1130565/7	Method Blank	88	109	90	103

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(60-150)	(70-150)	(68-150)	(64-157)
460-359015-3	MW101-SB-09_4	112	123	106	112
460-359015-9	MW101-SB-05_4	123	136	126	128
460-359015-10	MW101-SB-05_8.5	104	113	107	108
460-359015-13	WW101-SB-06_5	127	116	110	112
LCS 460-1130531/4	Lab Control Sample	106	113	110	109
LCS 460-1130745/4	Lab Control Sample	97	102	102	99
LCSD 460-1130531/5	Lab Control Sample Dup	95	105	103	99
LCSD 460-1130745/5	Lab Control Sample Dup	95	98	97	98
MB 460-1130531/10	Method Blank	97	102	102	97
MB 460-1130745/10	Method Blank	92	102	100	98

Surrogate Legend

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

Surrogate Summary

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

Job ID: 460-359015-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(81-121)
460-359015-15	TB-01_20260903	100	93	105	101
LCS 460-1130305/4	Lab Control Sample	95	97	102	103
LCSD 460-1130305/5	Lab Control Sample Dup	96	96	102	102
MB 460-1130305/8	Method Blank	98	94	104	102

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(14-104)	(29-104)	(22-99)	(26-97)	(25-95)	(29-104)
460-359015-1	MW101-SB-10_4	64	71	68	69	72	69
460-359015-2	MW101-SB-10_6	60	71	64	78	70	66
460-359015-3	MW101-SB-09_4	62	73	69	82	75	71
460-359015-4	MW101-SB-09_6	52	68	66	80	71	63
460-359015-5	MW101-SB-08_4	58	64	65	66	71	69
460-359015-6	MW101-SB-08_7.5	59	64	68	66	70	68
460-359015-7	MW101-SB-07_3	61	62	68	66	72	73
460-359015-8	MW101-SB-07_5	58	64	67	65	71	69
460-359015-9	MW101-SB-05_4	45	51	47	58	51	54
460-359015-10	MW101-SB-05_8.5	54	62	61	74	67	58
460-359015-11	MW101-SB-04_5	66	74	80	82	83	78
460-359015-11 MS	MW101-SB-04_5	63	63	63	66	68	71
460-359015-11 MSD	MW101-SB-04_5	66	60	46	53	57	71
460-359015-12	WW101-SB-04_7	58	54	56	57	60	70
460-359015-13	WW101-SB-06_5	54	57	52	59	59	58
460-359015-14	WW101-SB-06_9	53	56	63	63	65	68
LCS 460-1130060/2-A	Lab Control Sample	65	63	68	70	72	71
LCSD 460-1130060/3-A	Lab Control Sample Dup	64	64	68	68	74	71
MB 460-1130060/1-A	Method Blank	52	50	55	58	58	63

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)

Isotope Dilution Summary

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

Job ID: 460-359015-1

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)
460-359015-1	MW101-SB-10_4	80.7	67.6	71.9	69.8	77.1	70.0	69.3	63.3
460-359015-2	MW101-SB-10_6	77.0	77.2	73.8	78.0	80.2	79.2	83.2	75.6
460-359015-3	MW101-SB-09_4	73.7	50.7	60.5	63.1	80.6	80.8	84.8	75.0
460-359015-4	MW101-SB-09_6	84.7	78.1	78.7	76.7	84.6	83.8	81.3	50.4
460-359015-5	MW101-SB-08_4	86.2	78.1	79.4	78.3	85.8	82.9	82.5	70.5
460-359015-6	MW101-SB-08_7.5	89.3	74.5	80.4	76.6	85.1	91.6	88.6	84.1
460-359015-7	MW101-SB-07_3	77.7	68.0	69.4	68.8	75.5	77.4	69.8	58.8
460-359015-8	MW101-SB-07_5	91.8	74.6	78.5	77.9	91.1	85.9	79.5	67.4
460-359015-9	MW101-SB-05_4	79.1	59.3	66.3	63.3	78.9	84.6	89.0	86.6
460-359015-9 MS	MW101-SB-05_4	77.6	62.0	68.4	62.8	80.9	82.2	85.0	84.6
460-359015-9 MSD	MW101-SB-05_4	76.6	59.8	65.0	62.3	74.8	77.9	81.2	81.9
460-359015-10	MW101-SB-05_8.5	82.5	76.0	80.5	75.9	80.8	76.5	73.5	69.4
460-359015-11	MW101-SB-04_5	92.3	90.0	91.5	91.8	94.4	85.1	88.3	82.7
460-359015-12	WW101-SB-04_7	91.9	91.3	88.6	90.4	89.3	83.1	83.7	77.3
460-359015-13	WW101-SB-06_5	76.3	71.0	69.2	73.0	78.4	75.3	80.5	74.1
460-359015-14	WW101-SB-06_9	91.7	93.3	93.0	90.5	89.7	89.9	83.7	79.5
LCS 410-881640/2-A	Lab Control Sample	79.3	82.4	81.2	80.4	80.2	72.5	75.1	71.2
LLCS 410-881640/3-A	Lab Control Sample	86.8	90.7	93.3	90.2	88.2	84.4	87.7	82.7
MB 410-881640/1-A	Method Blank	85.2	86.7	89.2	88.7	85.7	79.7	75.4	72.2

		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)
460-359015-1	MW101-SB-10_4	19.3 *	82.3	77.3	77.4	115	61.4	54.4	211 *
460-359015-2	MW101-SB-10_6	28.8	77.1	78.9	81.1	90.6	64.8	52.5	94.9
460-359015-3	MW101-SB-09_4	71.5	89.9	83.3	82.0	126	144 *	122	285 *
460-359015-4	MW101-SB-09_6	19.8 *	88.1	87.1	89.1	95.7	40.2	32.7 *	150
460-359015-5	MW101-SB-08_4	52.4	90.2	87.4	85.6	104	78.3	72.3	225 *
460-359015-6	MW101-SB-08_7.5	87.9	93.1	86.6	93.0	132 *	183 *	155 *	298 *
460-359015-7	MW101-SB-07_3	28.8	80.7	77.3	79.2	110	60.0	51.4	199 *
460-359015-8	MW101-SB-07_5	31.5	98.9	93.1	88.8	134 *	82.0	75.9	276 *
460-359015-9	MW101-SB-05_4	75.6	94.6	87.7	84.2	108	183 *	157 *	295 *
460-359015-9 MS	MW101-SB-05_4	68.4	96.9	87.0	81.4	92.1	179 *	146	319 *
460-359015-9 MSD	MW101-SB-05_4	80.9	93.1	80.1	76.2	97.5	171 *	144	292 *
460-359015-10	MW101-SB-05_8.5	72.7	84.9	82.8	75.7	109	97.5	87.9	103
460-359015-11	MW101-SB-04_5	60.7	91.7	91.1	83.4	90.9	75.1	72.7	90.1
460-359015-12	WW101-SB-04_7	69.0	89.7	84.7	83.5	90.7	82.4	77.1	90.6
460-359015-13	WW101-SB-06_5	82.0	81.9	76.9	74.1	116	120	112	136
460-359015-14	WW101-SB-06_9	71.0	90.1	87.5	85.4	94.9	83.9	72.1	90.3
LCS 410-881640/2-A	Lab Control Sample	55.2	77.5	76.4	71.0	77.0	67.0	62.3	81.0
LLCS 410-881640/3-A	Lab Control Sample	76.2	89.7	84.7	87.4	90.9	86.6	73.5	87.1
MB 410-881640/1-A	Method Blank	56.9	86.5	83.6	74.6	82.9	65.3	64.0	91.0

		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)	PFDoA (40-130)
460-359015-1	MW101-SB-10_4	155	127	72.3	67.6	64.6	74.9	85.4	46.7
460-359015-2	MW101-SB-10_6	90.0	112	68.8	69.0	56.4	67.6	76.6	46.5
460-359015-3	MW101-SB-09_4	303 *	252	71.2	33.3	23.5	65.0	76.2	77.3
460-359015-4	MW101-SB-09_6	128	115	76.0	53.1	35.5	72.3	83.2	29.6 *
460-359015-5	MW101-SB-08_4	220 *	162	79.2	63.9	57.1	68.5	75.5	58.1

Isotope Dilution Summary

Client: Haley & Aldrich Inc
Job ID: 460-359015-1
Project/Site: Former Port Mobil

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

Matrix: Solid **Prep Type: Total/NA**

		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)	PFDoA (40-130)
460-359015-6	MW101-SB-08_7.5	291 *	258	77.1	71.6	64.1	75.0	83.3	88.6
460-359015-7	MW101-SB-07_3	147	127	69.2	61.8	55.2	67.9	77.8	53.0
460-359015-8	MW101-SB-07_5	223 *	164	78.3	67.9	57.9	78.5	91.5	55.9
460-359015-9	MW101-SB-05_4	290 *	281 *	69.8	58.6	43.3	50.4	64.0	99.6
460-359015-9 MS	MW101-SB-05_4	303 *	283 *	75.5	43.2	31.1	36.0	53.1	101
460-359015-9 MSD	MW101-SB-05_4	289 *	268	67.9	53.7	41.5	45.1	57.2	98.8
460-359015-10	MW101-SB-05_8.5	114	136	75.7	65.4	57.3	61.1	71.0	69.7
460-359015-11	MW101-SB-04_5	98.8	127	82.5	47.8	40.6	64.8	71.3	75.2
460-359015-12	WW101-SB-04_7	96.0	112	80.8	54.3	50.0	76.5	76.9	75.4
460-359015-13	WW101-SB-06_5	149	164	71.2	65.1	56.4	73.5	80.1	76.7
460-359015-14	WW101-SB-06_9	101	91.7	85.0	71.0	67.3	75.7	79.8	73.4
LCS 410-881640/2-A	Lab Control Sample	86.4	103	73.4	55.5	49.3	59.1	61.7	66.3
LLCS 410-881640/3-A	Lab Control Sample	95.0	126	79.3	74.0	70.7	66.8	70.4	77.3
MB 410-881640/1-A	Method Blank	93.2	121	77.3	55.0	48.0	56.7	61.3	66.3

		Percent Isotope Dilution Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	3-3:3 FTC (20-150)	3-5:3 FTC (20-150)	PFDoS (20-150)
460-359015-1	MW101-SB-10_4	70.8	60.1	26.1
460-359015-2	MW101-SB-10_6	81.4	71.6	27.1
460-359015-3	MW101-SB-09_4	57.6	66.3	60.2
460-359015-4	MW101-SB-09_6	85.7	65.5	20.1
460-359015-5	MW101-SB-08_4	79.1	74.3	50.5
460-359015-6	MW101-SB-08_7.5	82.1	87.2	82.4
460-359015-7	MW101-SB-07_3	68.9	66.3	33.7
460-359015-8	MW101-SB-07_5	78.2	83.1	37.9
460-359015-9	MW101-SB-05_4	73.6	88.7	61.5
460-359015-9 MS	MW101-SB-05_4	76.2	91.3	57.6
460-359015-9 MSD	MW101-SB-05_4	71.3	86.4	61.6
460-359015-10	MW101-SB-05_8.5	76.8	74.4	62.7
460-359015-11	MW101-SB-04_5	87.1	85.5	58.1
460-359015-12	WW101-SB-04_7	94.1	86.8	69.1
460-359015-13	WW101-SB-06_5	70.2	68.8	68.5
460-359015-14	WW101-SB-06_9	98.5	90.8	72.5
LCS 410-881640/2-A	Lab Control Sample	82.2	74.0	54.5
LLCS 410-881640/3-A	Lab Control Sample	87.8	83.0	77.1
MB 410-881640/1-A	Method Blank	90.7	80.4	57.9

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

Isotope Dilution Summary

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

Job ID: 460-359015-1

PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
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
C3-3:3 FTCA = 13C3-3:3 FTCA
C3-5:3 FTCA = 13C3-5:3 FTCA
PFDoS = 13C3-PFDoS

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

Lab Sample ID: MB 460-1130305/8
Matrix: Water
Analysis Batch: 1130305

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.45	U	0.45	0.070	ug/L			09/08/26 08:48	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			09/08/26 08:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			09/08/26 08:48	1
Toluene	1.0	U	1.0	0.38	ug/L			09/08/26 08:48	1
Total BTEX	0.45	U	0.45	0.30	ug/L			09/08/26 08:48	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			09/08/26 08:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*		*09/08/26 08:48*	*1*
4-Bromofluorobenzene	*94*		*76 - 120*		*09/08/26 08:48*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 132*		*09/08/26 08:48*	*1*
Toluene-d8 (Surr)	*102*		*81 - 121*		*09/08/26 08:48*	*1*

Lab Sample ID: LCS 460-1130305/4
Matrix: Water
Analysis Batch: 1130305

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	19.8		ug/L		99	71 - 126		
Ethylbenzene			20.0	19.4		ug/L		97	78 - 120		
Methyl tert-butyl ether			20.0	16.9		ug/L		84	72 - 131		
Toluene			20.0	19.1		ug/L		95	78 - 120		
Total BTEX			100	96.6		ug/L		97	80 - 120		
Xylenes, Total			40.0	38.4		ug/L		96	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*
4-Bromofluorobenzene	*97*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 132*
Toluene-d8 (Surr)	*103*		*81 - 121*

Lab Sample ID: LCSD 460-1130305/5
Matrix: Water
Analysis Batch: 1130305

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
Benzene			20.0	21.0		ug/L		105	71 - 126	6	30
Ethylbenzene			20.0	20.5		ug/L		102	78 - 120	5	30
Methyl tert-butyl ether			20.0	17.6		ug/L		88	72 - 131	4	30
Toluene			20.0	20.2		ug/L		101	78 - 120	6	30
Total BTEX			100	103		ug/L		103	80 - 120	6	30
Xylenes, Total			40.0	40.9		ug/L		102	80 - 120	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 128*
4-Bromofluorobenzene	*96*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 132*

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

Lab Sample ID: LCSD 460-1130305/5
Matrix: Water
Analysis Batch: 1130305

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*81 - 121*

Lab Sample ID: MB 460-1130363/7
Matrix: Solid
Analysis Batch: 1130363

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			09/08/26 12:38	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			09/08/26 12:38	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			09/08/26 12:38	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			09/08/26 12:38	1
Total BTEX	0.0060	U	0.0060	0.0012	mg/Kg			09/08/26 12:38	1
Xylenes, Total	0.0020	U	0.0020	0.00042	mg/Kg			09/08/26 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*65 - 138*		*09/08/26 12:38*	*1*
4-Bromofluorobenzene	*109*		*71 - 128*		*09/08/26 12:38*	*1*
Dibromofluoromethane (Surr)	*85*		*65 - 139*		*09/08/26 12:38*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*09/08/26 12:38*	*1*

Lab Sample ID: LCS 460-1130363/3
Matrix: Solid
Analysis Batch: 1130363

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0200	0.0218		mg/Kg		109	75 - 120		
Ethylbenzene			0.0200	0.0204		mg/Kg		102	80 - 120		
Methyl tert-butyl ether			0.0200	0.0193		mg/Kg		97	74 - 125		
Toluene			0.0200	0.0208		mg/Kg		104	80 - 120		
Total BTEX			0.100	0.106		mg/Kg		106	80 - 120		
Xylenes, Total			0.0400	0.0428		mg/Kg		107	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*
4-Bromofluorobenzene	*108*		*71 - 128*
Dibromofluoromethane (Surr)	*85*		*65 - 139*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: LCSD 460-1130363/4
Matrix: Solid
Analysis Batch: 1130363

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
Benzene			0.0200	0.0174		mg/Kg		87	75 - 120	22	30
Ethylbenzene			0.0200	0.0165		mg/Kg		83	80 - 120	21	30
Methyl tert-butyl ether			0.0200	0.0152		mg/Kg		76	74 - 125	24	30
Toluene			0.0200	0.0169		mg/Kg		85	80 - 120	21	30
Total BTEX			0.100	0.0853		mg/Kg		85	80 - 120	21	30

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

Lab Sample ID: LCSD 460-1130363/4
Matrix: Solid
Analysis Batch: 1130363

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
Xylenes, Total			0.0400	0.0344		mg/Kg		86	80 - 120	22	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*
4-Bromofluorobenzene	*108*		*71 - 128*
Dibromofluoromethane (Surr)	*85*		*65 - 139*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: MB 460-1130531/10
Matrix: Solid
Analysis Batch: 1130531

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.050	U	0.050	0.010	mg/Kg			09/09/26 11:46	50
Ethylbenzene	0.050	U	0.050	0.015	mg/Kg			09/09/26 11:46	50
Methyl tert-butyl ether	0.050	U	0.050	0.011	mg/Kg			09/09/26 11:46	50
Toluene	0.050	U	0.050	0.013	mg/Kg			09/09/26 11:46	50
Total BTEX	0.30	U	0.30	0.014	mg/Kg			09/09/26 11:46	50
Xylenes, Total	0.10	U	0.10	0.014	mg/Kg			09/09/26 11:46	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*60 - 150*		*09/09/26 11:46*	*50*
4-Bromofluorobenzene	*102*		*70 - 150*		*09/09/26 11:46*	*50*
Dibromofluoromethane (Surr)	*102*		*68 - 150*		*09/09/26 11:46*	*50*
Toluene-d8 (Surr)	*97*		*64 - 157*		*09/09/26 11:46*	*50*

Lab Sample ID: LCS 460-1130531/4
Matrix: Solid
Analysis Batch: 1130531

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			1.00	1.09		mg/Kg		109	75 - 120
Ethylbenzene			1.00	1.13		mg/Kg		113	80 - 121
Methyl tert-butyl ether			1.00	1.10		mg/Kg		110	77 - 125
Toluene			1.00	1.10		mg/Kg		110	80 - 120
Total BTEX			5.00	5.61		mg/Kg		112	80 - 120
Xylenes, Total			2.00	2.29		mg/Kg		115	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 150*
4-Bromofluorobenzene	*113*		*70 - 150*
Dibromofluoromethane (Surr)	*110*		*68 - 150*
Toluene-d8 (Surr)	*109*		*64 - 157*

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

Lab Sample ID: LCSD 460-1130531/5
Matrix: Solid
Analysis Batch: 1130531

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
Benzene			1.00	1.05		mg/Kg		105	75 - 120	3	30
Ethylbenzene			1.00	1.11		mg/Kg		111	80 - 121	2	30
Methyl tert-butyl ether			1.00	1.02		mg/Kg		102	77 - 125	7	30
Toluene			1.00	1.05		mg/Kg		105	80 - 120	5	30
Total BTEX			5.00	5.38		mg/Kg		108	80 - 120	4	30
Xylenes, Total			2.00	2.18		mg/Kg		109	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 150*
4-Bromofluorobenzene	*105*		*70 - 150*
Dibromofluoromethane (Surr)	*103*		*68 - 150*
Toluene-d8 (Surr)	*99*		*64 - 157*

Lab Sample ID: MB 460-1130565/7
Matrix: Solid
Analysis Batch: 1130565

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			09/09/26 11:54	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			09/09/26 11:54	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			09/09/26 11:54	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			09/09/26 11:54	1
Total BTEX	0.0060	U	0.0060	0.0012	mg/Kg			09/09/26 11:54	1
Xylenes, Total	0.0020	U	0.0020	0.00042	mg/Kg			09/09/26 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*65 - 138*		*09/09/26 11:54*	*1*
4-Bromofluorobenzene	*109*		*71 - 128*		*09/09/26 11:54*	*1*
Dibromofluoromethane (Surr)	*90*		*65 - 139*		*09/09/26 11:54*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*09/09/26 11:54*	*1*

Lab Sample ID: LCS 460-1130565/3
Matrix: Solid
Analysis Batch: 1130565

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.0200	0.0198		mg/Kg		99	75 - 120
Ethylbenzene			0.0200	0.0188		mg/Kg		94	80 - 120
Methyl tert-butyl ether			0.0200	0.0181		mg/Kg		91	74 - 125
Toluene			0.0200	0.0192		mg/Kg		96	80 - 120
Total BTEX			0.100	0.0974		mg/Kg		97	80 - 120
Xylenes, Total			0.0400	0.0397		mg/Kg		99	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*65 - 138*
4-Bromofluorobenzene	*110*		*71 - 128*
Dibromofluoromethane (Surr)	*87*		*65 - 139*

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

Lab Sample ID: LCS 460-1130565/3
Matrix: Solid
Analysis Batch: 1130565

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*71 - 126*

Lab Sample ID: LCSD 460-1130565/4
Matrix: Solid
Analysis Batch: 1130565

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
Benzene	0.0200	0.0204		mg/Kg		102	75 - 120	3	30
Ethylbenzene	0.0200	0.0196		mg/Kg		98	80 - 120	4	30
Methyl tert-butyl ether	0.0200	0.0179		mg/Kg		89	74 - 125	1	30
Toluene	0.0200	0.0199		mg/Kg		99	80 - 120	4	30
Total BTEX	0.100	0.101		mg/Kg		101	80 - 120	3	30
Xylenes, Total	0.0400	0.0409		mg/Kg		102	80 - 120	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*65 - 138*
4-Bromofluorobenzene	*110*		*71 - 128*
Dibromofluoromethane (Surr)	*87*		*65 - 139*
Toluene-d8 (Surr)	*104*		*71 - 126*

Lab Sample ID: MB 460-1130745/10
Matrix: Solid
Analysis Batch: 1130745

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.050	U	0.050	0.010	mg/Kg			09/10/26 14:13	50
Ethylbenzene	0.050	U	0.050	0.015	mg/Kg			09/10/26 14:13	50
Methyl tert-butyl ether	0.050	U	0.050	0.011	mg/Kg			09/10/26 14:13	50
Toluene	0.050	U	0.050	0.013	mg/Kg			09/10/26 14:13	50
Total BTEX	0.30	U	0.30	0.014	mg/Kg			09/10/26 14:13	50
Xylenes, Total	0.10	U	0.10	0.014	mg/Kg			09/10/26 14:13	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*60 - 150*		*09/10/26 14:13*	*50*
4-Bromofluorobenzene	*102*		*70 - 150*		*09/10/26 14:13*	*50*
Dibromofluoromethane (Surr)	*100*		*68 - 150*		*09/10/26 14:13*	*50*
Toluene-d8 (Surr)	*98*		*64 - 157*		*09/10/26 14:13*	*50*

Lab Sample ID: LCS 460-1130745/4
Matrix: Solid
Analysis Batch: 1130745

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.00		mg/Kg		100	75 - 120
Ethylbenzene	1.00	1.04		mg/Kg		104	80 - 121
Methyl tert-butyl ether	1.00	1.01		mg/Kg		101	77 - 125
Toluene	1.00	1.01		mg/Kg		101	80 - 120
Total BTEX	5.00	5.07		mg/Kg		101	80 - 120

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

Lab Sample ID: LCS 460-1130745/4
Matrix: Solid
Analysis Batch: 1130745

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			2.00	2.02		mg/Kg		101	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*60 - 150*
4-Bromofluorobenzene	*102*		*70 - 150*
Dibromofluoromethane (Surr)	*102*		*68 - 150*
Toluene-d8 (Surr)	*99*		*64 - 157*

Lab Sample ID: LCSD 460-1130745/5
Matrix: Solid
Analysis Batch: 1130745

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
Benzene			1.00	0.999		mg/Kg		100	75 - 120	0	30
Ethylbenzene			1.00	1.00		mg/Kg		100	80 - 121	4	30
Methyl tert-butyl ether			1.00	0.989		mg/Kg		99	77 - 125	2	30
Toluene			1.00	0.975		mg/Kg		98	80 - 120	3	30
Total BTEX			5.00	4.99		mg/Kg		100	80 - 120	2	30
Xylenes, Total			2.00	2.01		mg/Kg		101	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 150*
4-Bromofluorobenzene	*98*		*70 - 150*
Dibromofluoromethane (Surr)	*97*		*68 - 150*
Toluene-d8 (Surr)	*98*		*64 - 157*

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

Lab Sample ID: MB 460-1130060/1-A
Matrix: Solid
Analysis Batch: 1130173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1130060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.033	U	0.033	0.0031	mg/Kg		09/04/26 20:31	09/05/26 13:39	1
Naphthalene	0.33	U	0.33	0.0026	mg/Kg		09/04/26 20:31	09/05/26 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*52*		*14 - 104*	*09/04/26 20:31*	*09/05/26 13:39*	*1*
2-Fluorobiphenyl	*50*		*29 - 104*	*09/04/26 20:31*	*09/05/26 13:39*	*1*
2-Fluorophenol (Surr)	*55*		*22 - 99*	*09/04/26 20:31*	*09/05/26 13:39*	*1*
Nitrobenzene-d5 (Surr)	*58*		*26 - 97*	*09/04/26 20:31*	*09/05/26 13:39*	*1*
Phenol-d5 (Surr)	*58*		*25 - 95*	*09/04/26 20:31*	*09/05/26 13:39*	*1*
Terphenyl-d14 (Surr)	*63*		*29 - 104*	*09/04/26 20:31*	*09/05/26 13:39*	*1*

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

Lab Sample ID: LCS 460-1130060/2-A
Matrix: Solid
Analysis Batch: 1130173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1130060

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene			3.33	2.46		mg/Kg		74	66 - 120		
Naphthalene			3.33	2.35		mg/Kg		70	63 - 113		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*65*		*14 - 104*
2-Fluorobiphenyl	*63*		*29 - 104*
2-Fluorophenol (Surr)	*68*		*22 - 99*
Nitrobenzene-d5 (Surr)	*70*		*26 - 97*
Phenol-d5 (Surr)	*72*		*25 - 95*
Terphenyl-d14 (Surr)	*71*		*29 - 104*

Lab Sample ID: LCSD 460-1130060/3-A
Matrix: Solid
Analysis Batch: 1130173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1130060

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene			3.33	2.47		mg/Kg		74	66 - 120	0	30
Naphthalene			3.33	2.37		mg/Kg		71	63 - 113	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*64*		*14 - 104*
2-Fluorobiphenyl	*64*		*29 - 104*
2-Fluorophenol (Surr)	*68*		*22 - 99*
Nitrobenzene-d5 (Surr)	*68*		*26 - 97*
Phenol-d5 (Surr)	*74*		*25 - 95*
Terphenyl-d14 (Surr)	*71*		*29 - 104*

Lab Sample ID: 460-359015-11 MS
Matrix: Solid
Analysis Batch: 1130173

Client Sample ID: MW101-SB-04_5
Prep Type: Total/NA
Prep Batch: 1130060

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene	0.038	U	3.79	2.61		mg/Kg	☼	69	66 - 120		
Naphthalene	0.38	U	3.79	2.41		mg/Kg	☼	63	63 - 113		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*63*		*14 - 104*
2-Fluorobiphenyl	*63*		*29 - 104*
2-Fluorophenol (Surr)	*63*		*22 - 99*
Nitrobenzene-d5 (Surr)	*66*		*26 - 97*
Phenol-d5 (Surr)	*68*		*25 - 95*
Terphenyl-d14 (Surr)	*71*		*29 - 104*

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

Lab Sample ID: 460-359015-11 MSD
Matrix: Solid
Analysis Batch: 1130173

Client Sample ID: MW101-SB-04_5
Prep Type: Total/NA
Prep Batch: 1130060

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene	0.038	U	3.79	2.70		mg/Kg	☼	71	66 - 120	3	30
Naphthalene	0.38	U	3.79	1.90	*	mg/Kg	☼	50	63 - 113	24	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*14 - 104*
2-Fluorobiphenyl	*60*		*29 - 104*
2-Fluorophenol (Surr)	*46*		*22 - 99*
Nitrobenzene-d5 (Surr)	*53*		*26 - 97*
Phenol-d5 (Surr)	*57*		*25 - 95*
Terphenyl-d14 (Surr)	*71*		*29 - 104*

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

Lab Sample ID: MB 410-881640/1-A
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 881640

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		09/08/26 07:41	09/10/26 01:23	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.060	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.060	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.20	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.20	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.20	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1

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

Lab Sample ID: MB 410-881640/1-A
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 881640

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.00	U	1.00	0.50	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.00	U	1.00	0.50	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.10	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.00	U	1.00	0.50	ug/Kg		09/08/26 07:41	09/10/26 01:23	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.00	U	1.00	0.50	ug/Kg		09/08/26 07:41	09/10/26 01:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85.2*		*8 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C5 PFPeA	*86.7*		*35 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C5 PFHxA	*89.2*		*40 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C4 PFHpA	*88.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C8 PFOA	*85.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C9 PFNA	*79.7*		*40 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C6 PFDA	*75.4*		*40 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C7 PFUnA	*72.2*		*40 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C2 PFTeDA	*56.9*		*20 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C3 PFBS	*86.5*		*40 - 135*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C3 PFHxS	*83.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C8 PFOS	*74.6*		*40 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C8 FOSA	*82.9*		*40 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
d3-NMeFOSAA	*65.3*		*40 - 135*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
d5-NEtFOSAA	*64.0*		*40 - 150*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C2 4:2 FTS	*91.0*		*40 - 165*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C2 6:2 FTS	*93.2*		*40 - 215*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C2 8:2 FTS	*121*		*40 - 275*	*09/08/26 07:41*	*09/10/26 01:23*	*1*
13C3 HFPO-DA	*77.3*		*40 - 130*	*09/08/26 07:41*	*09/10/26 01:23*	*1*

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

Lab Sample ID: MB 410-881640/1-A
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 881640

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	55.0		20 - 130	09/08/26 07:41	09/10/26 01:23	1
d9-N-EtFOSE-M	48.0		15 - 130	09/08/26 07:41	09/10/26 01:23	1
d5-NEtPFOSA	56.7		10 - 130	09/08/26 07:41	09/10/26 01:23	1
d3-NMePFOSA	61.3		10 - 130	09/08/26 07:41	09/10/26 01:23	1
13C2 PFDoA	66.3		40 - 130	09/08/26 07:41	09/10/26 01:23	1
13C3-3:3 FTCA	90.7		20 - 150	09/08/26 07:41	09/10/26 01:23	1
13C3-5:3 FTCA	80.4		20 - 150	09/08/26 07:41	09/10/26 01:23	1
13C3-PFDoS	57.9		20 - 150	09/08/26 07:41	09/10/26 01:23	1

Lab Sample ID: LCS 410-881640/2-A
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881640

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	5.094		ug/Kg		102	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.275		ug/Kg		91	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.547		ug/Kg		102	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.464		ug/Kg		99	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.465		ug/Kg		99	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.477		ug/Kg		99	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.467		ug/Kg		99	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.50	2.407		ug/Kg		96	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.588		ug/Kg		104	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.658		ug/Kg		106	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.438		ug/Kg		98	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.284		ug/Kg		103	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.374		ug/Kg		101	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.188		ug/Kg		96	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.631		ug/Kg		110	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.337		ug/Kg		101	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	2.296		ug/Kg		95	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.41	2.475		ug/Kg		103	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.460		ug/Kg		101	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.527		ug/Kg		97	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.571		ug/Kg		96	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.300		ug/Kg		90	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.127		ug/Kg		85	70 - 140

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

Lab Sample ID: LCS 410-881640/2-A
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881640

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.544		ug/Kg		102	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.444		ug/Kg		98	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.248		ug/Kg		90	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.332		ug/Kg		93	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	12.66		ug/Kg		101	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	12.40		ug/Kg		99	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	1.834		ug/Kg		98	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.298		ug/Kg		97	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.461		ug/Kg		98	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.358		ug/Kg		94	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.516		ug/Kg		101	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	2.335		ug/Kg		100	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	2.332		ug/Kg		99	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.23	2.017		ug/Kg		90	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	5.019		ug/Kg		100	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	11.28		ug/Kg		90	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	9.917		ug/Kg		79	60 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*79.3*		*8 - 130*
13C5 PFPeA	*82.4*		*35 - 130*
13C5 PFHxA	*81.2*		*40 - 130*
13C4 PFHpA	*80.4*		*40 - 130*
13C8 PFOA	*80.2*		*40 - 130*
13C9 PFNA	*72.5*		*40 - 130*
13C6 PFDA	*75.1*		*40 - 130*
13C7 PFUnA	*71.2*		*40 - 130*
13C2 PFTeDA	*55.2*		*20 - 130*
13C3 PFBS	*77.5*		*40 - 135*
13C3 PFHxS	*76.4*		*40 - 130*
13C8 PFOS	*71.0*		*40 - 130*
13C8 FOSA	*77.0*		*40 - 130*
d3-NMeFOSAA	*67.0*		*40 - 135*
d5-NEtFOSAA	*62.3*		*40 - 150*

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

Lab Sample ID: LCS 410-881640/2-A
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881640

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 4:2 FTS	*81.0*		*40 - 165*
13C2 6:2 FTS	*86.4*		*40 - 215*
13C2 8:2 FTS	*103*		*40 - 275*
13C3 HFPO-DA	*73.4*		*40 - 130*
d7-N-MeFOSE-M	*55.5*		*20 - 130*
d9-N-EtFOSE-M	*49.3*		*15 - 130*
d5-NEtPFOSA	*59.1*		*10 - 130*
d3-NMePFOSA	*61.7*		*10 - 130*
13C2 PFDoA	*66.3*		*40 - 130*
13C3-3:3 FTCA	*82.2*		*20 - 150*
13C3-5:3 FTCA	*74.0*		*20 - 150*
13C3-PFDoS	*54.5*		*20 - 150*

Lab Sample ID: LLCS 410-881640/3-A
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881640

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.497		ug/Kg		99	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.248		ug/Kg		99	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.260		ug/Kg		104	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.251		ug/Kg		100	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.296		ug/Kg		118	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.256		ug/Kg		102	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.258		ug/Kg		103	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.251		ug/Kg		100	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.253		ug/Kg		101	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.208		ug/Kg		83	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.270		ug/Kg		108	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.213		ug/Kg		96	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.227		ug/Kg		97	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.248		ug/Kg		109	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.267		ug/Kg		112	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.250		ug/Kg		108	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.227		ug/Kg		95	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.233		ug/Kg		97	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.229		ug/Kg		94	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.438		ug/Kg		93	60 - 150

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

Lab Sample ID: LLCS 410-881640/3-A
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881640

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.469		ug/Kg		99	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.472		ug/Kg		98	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.247		ug/Kg		99	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.258		ug/Kg		103	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.252		ug/Kg		101	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.247		ug/Kg		99	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.314		ug/Kg		125	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.248		ug/Kg		100	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.251		ug/Kg		100	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.183	J	ug/Kg		97	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.238		ug/Kg		100	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.260		ug/Kg		104	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.238		ug/Kg		95	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.241		ug/Kg		96	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.244		ug/Kg		104	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.218		ug/Kg		92	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.197	J	ug/Kg		88	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.586		ug/Kg		117	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.434		ug/Kg		115	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	1.089		ug/Kg		87	60 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*86.8*		*8 - 130*
13C5 PFPeA	*90.7*		*35 - 130*
13C5 PFHxA	*93.3*		*40 - 130*
13C4 PFHpA	*90.2*		*40 - 130*
13C8 PFOA	*88.2*		*40 - 130*
13C9 PFNA	*84.4*		*40 - 130*
13C6 PFDA	*87.7*		*40 - 130*
13C7 PFUnA	*82.7*		*40 - 130*
13C2 PFTeDA	*76.2*		*20 - 130*
13C3 PFBS	*89.7*		*40 - 135*

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

Lab Sample ID: LLCS 410-881640/3-A
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881640

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C3 PFHxS	84.7		40 - 130
13C8 PFOS	87.4		40 - 130
13C8 FOSA	90.9		40 - 130
d3-NMeFOSAA	86.6		40 - 135
d5-NEtFOSAA	73.5		40 - 150
13C2 4:2 FTS	87.1		40 - 165
13C2 6:2 FTS	95.0		40 - 215
13C2 8:2 FTS	126		40 - 275
13C3 HFPO-DA	79.3		40 - 130
d7-N-MeFOSE-M	74.0		20 - 130
d9-N-EtFOSE-M	70.7		15 - 130
d5-NEtPFOSA	66.8		10 - 130
d3-NMePFOSA	70.4		10 - 130
13C2 PFDoA	77.3		40 - 130
13C3-3:3 FTCA	87.8		20 - 150
13C3-5:3 FTCA	83.0		20 - 150
13C3-PFDoS	77.1		20 - 150

Lab Sample ID: 460-359015-9 MS
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: MW101-SB-05_4
Prep Type: Total/NA
Prep Batch: 881640

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.40	U	4.84	5.069		ug/Kg	☼	105	70 - 140
Perfluoropentanoic acid (PFPeA)	0.20	U	2.42	1.958		ug/Kg	☼	81	60 - 150
Perfluorohexanoic acid (PFHxA)	0.20	U	2.42	2.471		ug/Kg	☼	102	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.20	U	2.42	2.615		ug/Kg	☼	108	65 - 145
Perfluorooctanoic acid (PFOA)	0.20	U	2.42	2.516		ug/Kg	☼	104	70 - 150
Perfluorononanoic acid (PFNA)	0.20	U	2.42	2.647		ug/Kg	☼	109	70 - 155
Perfluorodecanoic acid (PFDA)	0.20	U	2.42	2.518		ug/Kg	☼	104	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.20	U	2.42	2.522		ug/Kg	☼	104	70 - 155
Perfluorododecanoic acid (PFDoA)	0.20	U	2.42	2.444		ug/Kg	☼	101	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.20	U	2.42	2.960		ug/Kg	☼	122	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	2.42	2.284		ug/Kg	☼	94	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.20	U	2.15	1.818		ug/Kg	☼	85	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	2.28	2.541		ug/Kg	☼	112	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	2.21	2.331		ug/Kg	☼	106	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	2.31	2.721		ug/Kg	☼	118	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.20	U	2.25	2.534		ug/Kg	☼	113	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.20	U	2.33	2.110		ug/Kg	☼	91	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.20	U	2.33	3.034		ug/Kg	☼	130	40 - 155

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

Lab Sample ID: 460-359015-9 MS
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: MW101-SB-05_4
Prep Type: Total/NA
Prep Batch: 881640

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	2.35	2.319		ug/Kg	☼	99	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	4.54	4.258		ug/Kg	☼	94	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	4.61	4.714		ug/Kg	☼	102	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	4.65	4.706		ug/Kg	☼	101	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.20	U	2.42	2.588		ug/Kg	☼	107	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	2.42	2.545		ug/Kg	☼	105	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	2.42	2.418		ug/Kg	☼	100	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	2.42	2.259		ug/Kg	☼	93	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	2.42	2.425		ug/Kg	☼	100	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	12.1	14.64		ug/Kg	☼	121	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	12.1	12.50		ug/Kg	☼	103	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	1.82	1.835	I	ug/Kg	☼	101	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	2.29	1.491	*	ug/Kg	☼	65	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	2.42	2.403		ug/Kg	☼	99	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	2.42	2.258		ug/Kg	☼	93	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	2.42	2.390		ug/Kg	☼	99	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	2.26	2.335		ug/Kg	☼	103	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	2.29	2.698		ug/Kg	☼	118	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	2.16	2.035		ug/Kg	☼	94	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	4.84	5.674		ug/Kg	☼	117	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	12.1	11.28		ug/Kg	☼	93	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	12.1	14.94		ug/Kg	☼	123	60 - 150

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*77.6*		*8 - 130*
13C5 PFPeA	*62.0*		*35 - 130*
13C5 PFHxA	*68.4*		*40 - 130*
13C4 PFHpA	*62.8*		*40 - 130*
13C8 PFOA	*80.9*		*40 - 130*
13C9 PFNA	*82.2*		*40 - 130*

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

Lab Sample ID: 460-359015-9 MS
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: MW101-SB-05_4
Prep Type: Total/NA
Prep Batch: 881640

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C6 PFDA	85.0		40 - 130
13C7 PFUnA	84.6		40 - 130
13C2 PFTeDA	68.4		20 - 130
13C3 PFBS	96.9		40 - 135
13C3 PFHxS	87.0		40 - 130
13C8 PFOS	81.4		40 - 130
13C8 FOSA	92.1		40 - 130
d3-NMeFOSAA	179	*	40 - 135
d5-NEtFOSAA	146		40 - 150
13C2 4:2 FTS	319	*	40 - 165
13C2 6:2 FTS	303	*	40 - 215
13C2 8:2 FTS	283	*	40 - 275
13C3 HFPO-DA	75.5		40 - 130
d7-N-MeFOSE-M	43.2		20 - 130
d9-N-EtFOSE-M	31.1		15 - 130
d5-NEtPFOSA	36.0		10 - 130
d3-NMePFOSA	53.1		10 - 130
13C2 PFDoA	101		40 - 130
13C3-3:3 FTCA	76.2		20 - 150
13C3-5:3 FTCA	91.3		20 - 150
13C3-PFDoS	57.6		20 - 150

Lab Sample ID: 460-359015-9 MSD
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: MW101-SB-05_4
Prep Type: Total/NA
Prep Batch: 881640

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.40	U	4.84	4.761		ug/Kg	☼	98	70 - 140	6	30
Perfluoropentanoic acid (PFPeA)	0.20	U	2.42	1.979		ug/Kg	☼	82	60 - 150	1	30
Perfluorohexanoic acid (PFHxA)	0.20	U	2.42	2.310		ug/Kg	☼	95	65 - 140	7	30
Perfluoroheptanoic acid (PFHpA)	0.20	U	2.42	2.425		ug/Kg	☼	100	65 - 145	8	30
Perfluorooctanoic acid (PFOA)	0.20	U	2.42	2.475		ug/Kg	☼	102	70 - 150	2	30
Perfluorononanoic acid (PFNA)	0.20	U	2.42	2.599		ug/Kg	☼	107	70 - 155	2	30
Perfluorodecanoic acid (PFDA)	0.20	U	2.42	2.476		ug/Kg	☼	102	70 - 155	2	30
Perfluoroundecanoic acid (PFUnA)	0.20	U	2.42	2.419		ug/Kg	☼	100	70 - 155	4	30
Perfluorododecanoic acid (PFDoA)	0.20	U	2.42	2.413		ug/Kg	☼	100	70 - 150	1	30
Perfluorotridecanoic acid (PFTrDA)	0.20	U	2.42	2.576		ug/Kg	☼	106	65 - 150	14	30
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	2.42	2.259		ug/Kg	☼	93	65 - 150	1	30
Perfluorobutanesulfonic acid (PFBS)	0.20	U	2.15	2.887	*	ug/Kg	☼	134	65 - 145	45	30
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	2.28	2.483		ug/Kg	☼	109	55 - 160	2	30
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	2.21	2.343		ug/Kg	☼	106	60 - 150	1	30
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	2.31	2.601		ug/Kg	☼	113	65 - 155	4	30

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

Lab Sample ID: 460-359015-9 MSD
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: MW101-SB-05_4
Prep Type: Total/NA
Prep Batch: 881640

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	0.20	U	2.25	2.544		ug/Kg	☼	113	65 - 160	0	30
Perfluorononanesulfonic acid (PFNS)	0.20	U	2.33	2.045		ug/Kg	☼	88	55 - 140	3	30
Perfluorodecanesulfonic acid (PFDS)	0.20	U	2.33	2.962		ug/Kg	☼	127	40 - 155	2	30
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	2.35	2.420		ug/Kg	☼	103	25 - 160	4	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	4.54	4.296		ug/Kg	☼	95	60 - 150	1	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	4.61	4.673		ug/Kg	☼	101	55 - 200	1	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	4.65	4.575		ug/Kg	☼	98	70 - 150	3	30
Perfluorooctanesulfonamide (PFOSA)	0.20	U	2.42	2.500		ug/Kg	☼	103	70 - 140	3	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	2.42	2.462		ug/Kg	☼	102	70 - 155	3	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	2.42	2.367		ug/Kg	☼	98	70 - 140	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	2.42	2.272		ug/Kg	☼	94	65 - 155	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	2.42	2.363		ug/Kg	☼	98	65 - 165	3	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	12.1	13.73		ug/Kg	☼	113	70 - 140	6	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	12.1	11.78		ug/Kg	☼	97	70 - 135	6	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	1.82	1.670		ug/Kg	☼	92	70 - 145	9	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	2.29	1.554	*	ug/Kg	☼	68	70 - 160	4	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	2.42	2.296		ug/Kg	☼	95	30 - 140	5	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	2.42	2.240		ug/Kg	☼	92	60 - 150	1	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	2.42	2.381		ug/Kg	☼	98	60 - 155	0	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	2.26	2.192		ug/Kg	☼	97	70 - 150	6	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	2.29	2.617		ug/Kg	☼	114	45 - 160	3	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	2.16	1.907		ug/Kg	☼	88	70 - 140	6	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	4.84	5.236		ug/Kg	☼	108	45 - 130	8	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	12.1	11.52		ug/Kg	☼	95	60 - 130	2	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	12.1	14.84		ug/Kg	☼	123	60 - 150	1	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*76.6*		*8 - 130*

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

Lab Sample ID: 460-359015-9 MSD
Matrix: Solid
Analysis Batch: 882577

Client Sample ID: MW101-SB-05_4
Prep Type: Total/NA
Prep Batch: 881640

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C5 PFPeA	59.8		35 - 130
13C5 PFHxA	65.0		40 - 130
13C4 PFHpA	62.3		40 - 130
13C8 PFOA	74.8		40 - 130
13C9 PFNA	77.9		40 - 130
13C6 PFDA	81.2		40 - 130
13C7 PFUnA	81.9		40 - 130
13C2 PFTeDA	80.9		20 - 130
13C3 PFBS	93.1		40 - 135
13C3 PFHxS	80.1		40 - 130
13C8 PFOS	76.2		40 - 130
13C8 FOSA	97.5		40 - 130
d3-NMeFOSAA	171	*	40 - 135
d5-NEtFOSAA	144		40 - 150
13C2 4:2 FTS	292	*	40 - 165
13C2 6:2 FTS	289	*	40 - 215
13C2 8:2 FTS	268		40 - 275
13C3 HFPO-DA	67.9		40 - 130
d7-N-MeFOSE-M	53.7		20 - 130
d9-N-EtFOSE-M	41.5		15 - 130
d5-NEtPFOSA	45.1		10 - 130
d3-NMePFOSA	57.2		10 - 130
13C2 PFDoA	98.8		40 - 130
13C3-3:3 FTCA	71.3		20 - 150
13C3-5:3 FTCA	86.4		20 - 150
13C3-PFDoS	61.6		20 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1130191/1-A
Matrix: Solid
Analysis Batch: 1130260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1130191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.60	U	0.60	0.20	mg/Kg		09/05/26 13:53	09/06/26 20:43	1

Lab Sample ID: LCSSRM 460-1130191/2-A
Matrix: Solid
Analysis Batch: 1130260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1130191

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Lead	198	190.9		mg/Kg		96.4	82.8 - 117.2

Lab Sample ID: 460-359015-7 MS
Matrix: Solid
Analysis Batch: 1130260

Client Sample ID: MW101-SB-07_3
Prep Type: Total/NA
Prep Batch: 1130191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	24.4		5.25	20.32	4	mg/Kg	☼	-79	75 - 125

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

Job ID: 460-359015-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 460-359015-7 DU
Matrix: Solid
Analysis Batch: 1130260

Client Sample ID: MW101-SB-07_3
Prep Type: Total/NA
Prep Batch: 1130191

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	24.4			23.12		mg/Kg	☼			6	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-359015-9 DU
Matrix: Solid
Analysis Batch: 1129996

Client Sample ID: MW101-SB-05_4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	19.3			22.4		%				15	20
Percent Solids	80.7			77.6		%				4	20

GC/MS VOA

Prep Batch: 1130139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-1	MW101-SB-10_4	Total/NA	Solid	5035	
460-359015-2	MW101-SB-10_6	Total/NA	Solid	5035	
460-359015-4	MW101-SB-09_6	Total/NA	Solid	5035	
460-359015-5	MW101-SB-08_4	Total/NA	Solid	5035	
460-359015-6	MW101-SB-08_7.5	Total/NA	Solid	5035	
460-359015-7	MW101-SB-07_3	Total/NA	Solid	5035	
460-359015-8	MW101-SB-07_5	Total/NA	Solid	5035	
460-359015-11	MW101-SB-04_5	Total/NA	Solid	5035	
460-359015-12	WW101-SB-04_7	Total/NA	Solid	5035	
460-359015-14	WW101-SB-06_9	Total/NA	Solid	5035	

Prep Batch: 1130184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-3	MW101-SB-09_4	Total/NA	Solid	5035	
460-359015-9	MW101-SB-05_4	Total/NA	Solid	5035	
460-359015-10	MW101-SB-05_8.5	Total/NA	Solid	5035	
460-359015-13	WW101-SB-06_5	Total/NA	Solid	5035	

Analysis Batch: 1130305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-15	TB-01_20260903	Total/NA	Water	8260D	
MB 460-1130305/8	Method Blank	Total/NA	Water	8260D	
LCS 460-1130305/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1130305/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 1130363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-1	MW101-SB-10_4	Total/NA	Solid	8260D	1130139
460-359015-2	MW101-SB-10_6	Total/NA	Solid	8260D	1130139
460-359015-4	MW101-SB-09_6	Total/NA	Solid	8260D	1130139
460-359015-5	MW101-SB-08_4	Total/NA	Solid	8260D	1130139
460-359015-6	MW101-SB-08_7.5	Total/NA	Solid	8260D	1130139
460-359015-7	MW101-SB-07_3	Total/NA	Solid	8260D	1130139
460-359015-8	MW101-SB-07_5	Total/NA	Solid	8260D	1130139
460-359015-11	MW101-SB-04_5	Total/NA	Solid	8260D	1130139
460-359015-12	WW101-SB-04_7	Total/NA	Solid	8260D	1130139
MB 460-1130363/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1130363/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1130363/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1130531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-3	MW101-SB-09_4	Total/NA	Solid	8260D	1130184
460-359015-10	MW101-SB-05_8.5	Total/NA	Solid	8260D	1130184
460-359015-13	WW101-SB-06_5	Total/NA	Solid	8260D	1130184
MB 460-1130531/10	Method Blank	Total/NA	Solid	8260D	
LCS 460-1130531/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1130531/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS VOA

Analysis Batch: 1130565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-14	WW101-SB-06_9	Total/NA	Solid	8260D	1130139
MB 460-1130565/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1130565/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1130565/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1130745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-9	MW101-SB-05_4	Total/NA	Solid	8260D	1130184
MB 460-1130745/10	Method Blank	Total/NA	Solid	8260D	
LCS 460-1130745/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1130745/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 1130060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-1	MW101-SB-10_4	Total/NA	Solid	3546	
460-359015-2	MW101-SB-10_6	Total/NA	Solid	3546	
460-359015-3	MW101-SB-09_4	Total/NA	Solid	3546	
460-359015-4	MW101-SB-09_6	Total/NA	Solid	3546	
460-359015-5	MW101-SB-08_4	Total/NA	Solid	3546	
460-359015-6	MW101-SB-08_7.5	Total/NA	Solid	3546	
460-359015-7	MW101-SB-07_3	Total/NA	Solid	3546	
460-359015-8	MW101-SB-07_5	Total/NA	Solid	3546	
460-359015-9	MW101-SB-05_4	Total/NA	Solid	3546	
460-359015-10	MW101-SB-05_8.5	Total/NA	Solid	3546	
460-359015-11	MW101-SB-04_5	Total/NA	Solid	3546	
460-359015-12	WW101-SB-04_7	Total/NA	Solid	3546	
460-359015-13	WW101-SB-06_5	Total/NA	Solid	3546	
460-359015-14	WW101-SB-06_9	Total/NA	Solid	3546	
MB 460-1130060/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1130060/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1130060/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-359015-11 MS	MW101-SB-04_5	Total/NA	Solid	3546	
460-359015-11 MSD	MW101-SB-04_5	Total/NA	Solid	3546	

Analysis Batch: 1130173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-1	MW101-SB-10_4	Total/NA	Solid	8270E	1130060
460-359015-2	MW101-SB-10_6	Total/NA	Solid	8270E	1130060
460-359015-3	MW101-SB-09_4	Total/NA	Solid	8270E	1130060
460-359015-4	MW101-SB-09_6	Total/NA	Solid	8270E	1130060
460-359015-5	MW101-SB-08_4	Total/NA	Solid	8270E	1130060
460-359015-6	MW101-SB-08_7.5	Total/NA	Solid	8270E	1130060
460-359015-7	MW101-SB-07_3	Total/NA	Solid	8270E	1130060
460-359015-8	MW101-SB-07_5	Total/NA	Solid	8270E	1130060
460-359015-9	MW101-SB-05_4	Total/NA	Solid	8270E	1130060
460-359015-10	MW101-SB-05_8.5	Total/NA	Solid	8270E	1130060
460-359015-11	MW101-SB-04_5	Total/NA	Solid	8270E	1130060
460-359015-12	WW101-SB-04_7	Total/NA	Solid	8270E	1130060
460-359015-13	WW101-SB-06_5	Total/NA	Solid	8270E	1130060

GC/MS Semi VOA (Continued)

Analysis Batch: 1130173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-14	WW101-SB-06_9	Total/NA	Solid	8270E	1130060
MB 460-1130060/1-A	Method Blank	Total/NA	Solid	8270E	1130060
LCS 460-1130060/2-A	Lab Control Sample	Total/NA	Solid	8270E	1130060
LCSD 460-1130060/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1130060
460-359015-11 MS	MW101-SB-04_5	Total/NA	Solid	8270E	1130060
460-359015-11 MSD	MW101-SB-04_5	Total/NA	Solid	8270E	1130060

LCMS

Prep Batch: 881640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-1	MW101-SB-10_4	Total/NA	Solid	1633A	
460-359015-2	MW101-SB-10_6	Total/NA	Solid	1633A	
460-359015-3	MW101-SB-09_4	Total/NA	Solid	1633A	
460-359015-4	MW101-SB-09_6	Total/NA	Solid	1633A	
460-359015-5	MW101-SB-08_4	Total/NA	Solid	1633A	
460-359015-6	MW101-SB-08_7.5	Total/NA	Solid	1633A	
460-359015-7	MW101-SB-07_3	Total/NA	Solid	1633A	
460-359015-8	MW101-SB-07_5	Total/NA	Solid	1633A	
460-359015-9	MW101-SB-05_4	Total/NA	Solid	1633A	
460-359015-10	MW101-SB-05_8.5	Total/NA	Solid	1633A	
460-359015-11	MW101-SB-04_5	Total/NA	Solid	1633A	
460-359015-12	WW101-SB-04_7	Total/NA	Solid	1633A	
460-359015-13	WW101-SB-06_5	Total/NA	Solid	1633A	
460-359015-14	WW101-SB-06_9	Total/NA	Solid	1633A	
MB 410-881640/1-A	Method Blank	Total/NA	Solid	1633A	
LCS 410-881640/2-A	Lab Control Sample	Total/NA	Solid	1633A	
LLCS 410-881640/3-A	Lab Control Sample	Total/NA	Solid	1633A	
460-359015-9 MS	MW101-SB-05_4	Total/NA	Solid	1633A	
460-359015-9 MSD	MW101-SB-05_4	Total/NA	Solid	1633A	

Analysis Batch: 882577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-1	MW101-SB-10_4	Total/NA	Solid	1633A	881640
460-359015-2	MW101-SB-10_6	Total/NA	Solid	1633A	881640
460-359015-3	MW101-SB-09_4	Total/NA	Solid	1633A	881640
460-359015-4	MW101-SB-09_6	Total/NA	Solid	1633A	881640
460-359015-5	MW101-SB-08_4	Total/NA	Solid	1633A	881640
460-359015-6	MW101-SB-08_7.5	Total/NA	Solid	1633A	881640
460-359015-7	MW101-SB-07_3	Total/NA	Solid	1633A	881640
460-359015-8	MW101-SB-07_5	Total/NA	Solid	1633A	881640
460-359015-9	MW101-SB-05_4	Total/NA	Solid	1633A	881640
460-359015-10	MW101-SB-05_8.5	Total/NA	Solid	1633A	881640
460-359015-11	MW101-SB-04_5	Total/NA	Solid	1633A	881640
460-359015-12	WW101-SB-04_7	Total/NA	Solid	1633A	881640
460-359015-13	WW101-SB-06_5	Total/NA	Solid	1633A	881640
460-359015-14	WW101-SB-06_9	Total/NA	Solid	1633A	881640
MB 410-881640/1-A	Method Blank	Total/NA	Solid	1633A	881640
LCS 410-881640/2-A	Lab Control Sample	Total/NA	Solid	1633A	881640
LLCS 410-881640/3-A	Lab Control Sample	Total/NA	Solid	1633A	881640
460-359015-9 MS	MW101-SB-05_4	Total/NA	Solid	1633A	881640

LCMS (Continued)

Analysis Batch: 882577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-9 MSD	MW101-SB-05_4	Total/NA	Solid	1633A	881640

Metals

Prep Batch: 1130191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-1	MW101-SB-10_4	Total/NA	Solid	3050B	
460-359015-2	MW101-SB-10_6	Total/NA	Solid	3050B	
460-359015-3	MW101-SB-09_4	Total/NA	Solid	3050B	
460-359015-4	MW101-SB-09_6	Total/NA	Solid	3050B	
460-359015-5	MW101-SB-08_4	Total/NA	Solid	3050B	
460-359015-6	MW101-SB-08_7.5	Total/NA	Solid	3050B	
460-359015-7	MW101-SB-07_3	Total/NA	Solid	3050B	
460-359015-8	MW101-SB-07_5	Total/NA	Solid	3050B	
460-359015-9	MW101-SB-05_4	Total/NA	Solid	3050B	
460-359015-10	MW101-SB-05_8.5	Total/NA	Solid	3050B	
460-359015-11	MW101-SB-04_5	Total/NA	Solid	3050B	
460-359015-12	WW101-SB-04_7	Total/NA	Solid	3050B	
460-359015-13	WW101-SB-06_5	Total/NA	Solid	3050B	
460-359015-14	WW101-SB-06_9	Total/NA	Solid	3050B	
MB 460-1130191/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1130191/2-A	Lab Control Sample	Total/NA	Solid	3050B	
460-359015-7 MS	MW101-SB-07_3	Total/NA	Solid	3050B	
460-359015-7 DU	MW101-SB-07_3	Total/NA	Solid	3050B	

Analysis Batch: 1130260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-1	MW101-SB-10_4	Total/NA	Solid	6020B	1130191
460-359015-2	MW101-SB-10_6	Total/NA	Solid	6020B	1130191
460-359015-3	MW101-SB-09_4	Total/NA	Solid	6020B	1130191
460-359015-4	MW101-SB-09_6	Total/NA	Solid	6020B	1130191
460-359015-5	MW101-SB-08_4	Total/NA	Solid	6020B	1130191
460-359015-6	MW101-SB-08_7.5	Total/NA	Solid	6020B	1130191
460-359015-7	MW101-SB-07_3	Total/NA	Solid	6020B	1130191
460-359015-8	MW101-SB-07_5	Total/NA	Solid	6020B	1130191
460-359015-9	MW101-SB-05_4	Total/NA	Solid	6020B	1130191
460-359015-10	MW101-SB-05_8.5	Total/NA	Solid	6020B	1130191
460-359015-11	MW101-SB-04_5	Total/NA	Solid	6020B	1130191
460-359015-12	WW101-SB-04_7	Total/NA	Solid	6020B	1130191
460-359015-13	WW101-SB-06_5	Total/NA	Solid	6020B	1130191
460-359015-14	WW101-SB-06_9	Total/NA	Solid	6020B	1130191
MB 460-1130191/1-A	Method Blank	Total/NA	Solid	6020B	1130191
LCSSRM 460-1130191/2-A	Lab Control Sample	Total/NA	Solid	6020B	1130191
460-359015-7 MS	MW101-SB-07_3	Total/NA	Solid	6020B	1130191
460-359015-7 DU	MW101-SB-07_3	Total/NA	Solid	6020B	1130191

General Chemistry

Analysis Batch: 1129996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-1	MW101-SB-10_4	Total/NA	Solid	Moisture	
460-359015-2	MW101-SB-10_6	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1129996 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-359015-3	MW101-SB-09_4	Total/NA	Solid	Moisture	
460-359015-4	MW101-SB-09_6	Total/NA	Solid	Moisture	
460-359015-5	MW101-SB-08_4	Total/NA	Solid	Moisture	
460-359015-6	MW101-SB-08_7.5	Total/NA	Solid	Moisture	
460-359015-7	MW101-SB-07_3	Total/NA	Solid	Moisture	
460-359015-8	MW101-SB-07_5	Total/NA	Solid	Moisture	
460-359015-9	MW101-SB-05_4	Total/NA	Solid	Moisture	
460-359015-10	MW101-SB-05_8.5	Total/NA	Solid	Moisture	
460-359015-11	MW101-SB-04_5	Total/NA	Solid	Moisture	
460-359015-12	WW101-SB-04_7	Total/NA	Solid	Moisture	
460-359015-13	WW101-SB-06_5	Total/NA	Solid	Moisture	
460-359015-14	WW101-SB-06_9	Total/NA	Solid	Moisture	
460-359051-A-1 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-359051-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-359015-9 DU	MW101-SB-05_4	Total/NA	Solid	Moisture	

Lab Chronicle

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

Job ID: 460-359015-1

Client Sample ID: MW101-SB-10_4
Date Collected: 09/03/26 09:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:35

Client Sample ID: MW101-SB-10_4
Date Collected: 09/03/26 09:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-1
Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130139	ACR	EET EDI	09/05/26 09:34
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 18:57
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 20:35
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 02:03
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:17

Client Sample ID: MW101-SB-10_6
Date Collected: 09/03/26 09:10
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:35

Client Sample ID: MW101-SB-10_6
Date Collected: 09/03/26 09:10
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-2
Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130139	ACR	EET EDI	09/05/26 09:35
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 18:34
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 15:41
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 02:17
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:20

Client Sample ID: MW101-SB-09_4
Date Collected: 09/03/26 09:30
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:35

Client Sample ID: MW101-SB-09_4

Lab Sample ID: 460-359015-3

Date Collected: 09/03/26 09:30

Matrix: Solid

Date Received: 09/03/26 16:30

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130184	ACR	EET EDI	09/05/26 13:19
Total/NA	Analysis	8260D		50	1130531	MZS	EET EDI	09/09/26 19:22
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 16:06
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 02:30
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:23

Client Sample ID: MW101-SB-09_6

Lab Sample ID: 460-359015-4

Date Collected: 09/03/26 09:40

Matrix: Solid

Date Received: 09/03/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:35

Client Sample ID: MW101-SB-09_6

Lab Sample ID: 460-359015-4

Date Collected: 09/03/26 09:40

Matrix: Solid

Date Received: 09/03/26 16:30

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130139	ACR	EET EDI	09/05/26 09:37
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 18:11
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 16:31
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 02:44
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:25

Client Sample ID: MW101-SB-08_4

Lab Sample ID: 460-359015-5

Date Collected: 09/03/26 09:50

Matrix: Solid

Date Received: 09/03/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:35

Client Sample ID: MW101-SB-08_4

Lab Sample ID: 460-359015-5

Date Collected: 09/03/26 09:50

Matrix: Solid

Date Received: 09/03/26 16:30

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130139	ACR	EET EDI	09/05/26 09:38
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 15:06
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 16:56

Client Sample ID: MW101-SB-08_4

Lab Sample ID: 460-359015-5
Date Collected: 09/03/26 09:50
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 03:25
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:28

Client Sample ID: MW101-SB-08_7.5

Lab Sample ID: 460-359015-6
Date Collected: 09/03/26 10:00
Matrix: Solid
Date Received: 09/03/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:35

Client Sample ID: MW101-SB-08_7.5

Lab Sample ID: 460-359015-6
Date Collected: 09/03/26 10:00
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130139	ACR	EET EDI	09/05/26 09:39
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 15:29
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 20:59
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 03:38
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:31

Client Sample ID: MW101-SB-07_3

Lab Sample ID: 460-359015-7
Date Collected: 09/03/26 10:10
Matrix: Solid
Date Received: 09/03/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:35

Client Sample ID: MW101-SB-07_3

Lab Sample ID: 460-359015-7
Date Collected: 09/03/26 10:10
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130139	ACR	EET EDI	09/05/26 09:40
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 15:52
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 17:20
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 03:52
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 20:56

Lab Chronicle

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

Job ID: 460-359015-1

Client Sample ID: MW101-SB-07_5
Date Collected: 09/03/26 10:20
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:35

Client Sample ID: MW101-SB-07_5
Date Collected: 09/03/26 10:20
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-8
Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130139	ACR	EET EDI	09/05/26 09:41
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 16:15
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 17:45
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 04:05
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:33

Client Sample ID: MW101-SB-05_4
Date Collected: 09/03/26 10:50
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:45

Client Sample ID: MW101-SB-05_4
Date Collected: 09/03/26 10:50
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-9
Matrix: Solid
Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130184	ACR	EET EDI	09/05/26 13:22
Total/NA	Analysis	8260D		50	1130745	MZS	EET EDI	09/10/26 14:36
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		5	1130173	YAH	EET EDI	09/05/26 22:58
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 04:19
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		5	1130260	CDC	EET EDI	09/06/26 21:36

Client Sample ID: MW101-SB-05_8.5
Date Collected: 09/03/26 11:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:45

Client Sample ID: MW101-SB-05_8.5

Lab Sample ID: 460-359015-10
Date Collected: 09/03/26 11:00
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130184	ACR	EET EDI	09/05/26 13:22
Total/NA	Analysis	8260D		50	1130531	MZS	EET EDI	09/09/26 20:10
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 20:11
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 04:59
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:39

Client Sample ID: MW101-SB-04_5

Lab Sample ID: 460-359015-11
Date Collected: 09/03/26 11:15
Matrix: Solid
Date Received: 09/03/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:45

Client Sample ID: MW101-SB-04_5

Lab Sample ID: 460-359015-11
Date Collected: 09/03/26 11:15
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130139	ACR	EET EDI	09/05/26 09:44
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 16:39
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 14:28
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 05:13
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:47

Client Sample ID: WW101-SB-04_7

Lab Sample ID: 460-359015-12
Date Collected: 09/03/26 11:30
Matrix: Solid
Date Received: 09/03/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:45

Client Sample ID: WW101-SB-04_7

Lab Sample ID: 460-359015-12
Date Collected: 09/03/26 11:30
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130139	ACR	EET EDI	09/05/26 09:45
Total/NA	Analysis	8260D		1	1130363	EMM	EET EDI	09/08/26 17:02
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 18:10

Client Sample ID: WW101-SB-04_7

Lab Sample ID: 460-359015-12
Date Collected: 09/03/26 11:30
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 05:26
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:49

Client Sample ID: WW101-SB-06_5

Lab Sample ID: 460-359015-13
Date Collected: 09/03/26 11:45
Matrix: Solid
Date Received: 09/03/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:45

Client Sample ID: WW101-SB-06_5

Lab Sample ID: 460-359015-13
Date Collected: 09/03/26 11:45
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130184	ACR	EET EDI	09/05/26 13:24
Total/NA	Analysis	8260D		50	1130531	MZS	EET EDI	09/09/26 19:47
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 21:46
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 05:40
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:52

Client Sample ID: WW101-SB-06_9

Lab Sample ID: 460-359015-14
Date Collected: 09/03/26 12:00
Matrix: Solid
Date Received: 09/03/26 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1129996	GMR	EET EDI	09/04/26 19:45

Client Sample ID: WW101-SB-06_9

Lab Sample ID: 460-359015-14
Date Collected: 09/03/26 12:00
Matrix: Solid
Date Received: 09/03/26 16:30
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1130139	ACR	EET EDI	09/05/26 09:48
Total/NA	Analysis	8260D		1	1130565	EMM	EET EDI	09/09/26 13:50
Total/NA	Prep	3546			1130060	JMS	EET EDI	09/04/26 20:31
Total/NA	Analysis	8270E		1	1130173	YAH	EET EDI	09/05/26 18:35
Total/NA	Prep	1633A			881640	RZZ4	ELLE	09/08/26 07:41
Total/NA	Analysis	1633A		1	882577	XBL5	ELLE	09/10/26 05:54
Total/NA	Prep	3050B			1130191	TDT	EET EDI	09/05/26 13:53
Total/NA	Analysis	6020B		1	1130260	CDC	EET EDI	09/06/26 21:55

Lab Chronicle

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

Job ID: 460-359015-1

Client Sample ID: TB-01_20260903

Date Collected: 09/03/26 00:00
Date Received: 09/03/26 16:30

Lab Sample ID: 460-359015-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1130305	SZD	EET EDI	09/08/26 10:46

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

Accreditation/Certification Summary

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

Job ID: 460-359015-1

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	04-01-27

The following analytes are included in this report, but the laboratory is not certified by New York NELAP 11452. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	Total BTEX
8260D	5035	Solid	Total BTEX
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-27
Alaska	State	PA00009	06-30-27
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-27
Arkansas DEQ	State	88-00660	08-08-27
California	State	2792	01-31-27
Colorado	State	PA00009	06-30-27
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-27
Delaware (DW)	State	N/A	01-31-27
Florida	NELAP	E87997	06-30-27
Georgia (DW)	State	C048	01-31-27
Illinois	NELAP	200027	01-31-27
Iowa	State	361	03-01-28
Kansas	NELAP	E-10151	10-31-26
Kentucky (DW)	State	KY90088	12-31-26
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-26
Louisiana (All)	NELAP	02055	06-30-27
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-27
Massachusetts	State	M-PA009	06-30-27
Michigan	State	9930	01-31-27
Minnesota	NELAP	042-999-487	12-31-26
Mississippi	State	023	01-31-27
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-27
Nebraska	State	NE-OS-32-17	01-31-27
New Hampshire	NELAP	2730	01-10-27
New Jersey	NELAP	PA011	06-30-27
New York	NELAP	10670	04-01-27
North Carolina (DW)	State	42705	07-31-27

Accreditation/Certification Summary

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

Job ID: 460-359015-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	521	01-03-27
North Dakota	State	R-205	01-31-24 *
Ohio	State	87787	01-31-27
Oklahoma	NELAP	9804	12-13-26
Oregon	NELAP	PA200001	09-11-26
Pennsylvania	NELAP	36-00037	01-31-27
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	01-02-27
South Carolina	State	89002	01-31-27
Tennessee	State	02838	01-31-27
USDA	US Federal Programs	525-22-298-19481	05-08-29
Vermont	State	VT - 36037	10-28-26
Virginia	NELAP	460182	09-30-26
Washington	State	C457	04-11-27
West Virginia (DW)	State	9906 C	01-31-27
West Virginia DEP	State	055	07-31-27
Wyoming	State	8TMS-L	01-31-27
Wyoming (UST)	A2LA	0001.01	11-30-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

Job ID: 460-359015-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633A	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5030C	Purge and Trap	SW846	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

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: 460-359015-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
460-359015-1	MW101-SB-10_4	Solid	09/03/26 09:00	09/03/26 16:30	New York
460-359015-2	MW101-SB-10_6	Solid	09/03/26 09:10	09/03/26 16:30	New York
460-359015-3	MW101-SB-09_4	Solid	09/03/26 09:30	09/03/26 16:30	New York
460-359015-4	MW101-SB-09_6	Solid	09/03/26 09:40	09/03/26 16:30	New York
460-359015-5	MW101-SB-08_4	Solid	09/03/26 09:50	09/03/26 16:30	New York
460-359015-6	MW101-SB-08_7.5	Solid	09/03/26 10:00	09/03/26 16:30	New York
460-359015-7	MW101-SB-07_3	Solid	09/03/26 10:10	09/03/26 16:30	New York
460-359015-8	MW101-SB-07_5	Solid	09/03/26 10:20	09/03/26 16:30	New York
460-359015-9	MW101-SB-05_4	Solid	09/03/26 10:50	09/03/26 16:30	New York
460-359015-10	MW101-SB-05_8.5	Solid	09/03/26 11:00	09/03/26 16:30	New York
460-359015-11	MW101-SB-04_5	Solid	09/03/26 11:15	09/03/26 16:30	New York
460-359015-12	WW101-SB-04_7	Solid	09/03/26 11:30	09/03/26 16:30	New York
460-359015-13	WW101-SB-06_5	Solid	09/03/26 11:45	09/03/26 16:30	New York
460-359015-14	WW101-SB-06_9	Solid	09/03/26 12:00	09/03/26 16:30	New York
460-359015-15	TB-01_20260903	Water	09/03/26 00:00	09/03/26 16:30	New York

Eurofins lab name: Eurofins Environment Testing Northeast, LLC (Eurofins Edison)

Chain of Custody Record

eurofins | Environment Testing America

Lab Address: 777 New Durham Road, Edison, NJ

Eurofins services under this CoC shall be performed in accordance with the T&Cs within BSA #2025-2027-Eurofins by and between Haley & Aldrich, Inc. its subsidiaries and affiliates, and Eurofins and its named affiliates.

Client Information	Sampler: Delia Freliech	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No:
Client Contact: NP Staten Island Industrial, LLC	Phone: 917 796-7383	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: NY	Page: 1 of 1
Company: Haley & Aldrich Inc	PWSID:	Analysis Requested		Job #: 359015
Address: 213 West 35th Street, 7th Floor	Due Date Requested:			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3
City: New York	TAT Requested (days): Standard (1 week)			
State, Zip: New York, 10001	Compliance Project: Δ Yes Δ No			
Phone: 516-317-9861	PO #: 0213836-003-002-05			
Email: Scommisso@haleyaldrich.com	WO #: 0213836-003-002-05			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site: 4101 Arthur Kill Road, Staten Island, NY	SSOW#:			

460-359015 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D BTEX & MTBE	8270 Napthalene & Benzo(a)anthracene	6010B Lead	1633 PFOA & PFAS	Total Num	Special Instructions/Note:
			Preservation Code:			A						
MW101-SB-10_4	9/3/2026	9:00	G	S	N	N	X	X	X	X	6	1
MW101-SB-10_6	9/3/2026	9:10	G	S	N	N	X	X	X	X	6	2
MW101-SB-09_4	9/3/2026	9:30	G	S	N	N	X	X	X	X	6	3
MW101-SB-09_6	9/3/2026	9:40	G	S	N	N	X	X	X	X	6	4
MW101-SB-08_4	9/3/2026	9:50	G	S	N	N	X	X	X	X	6	5
MW101-SB-08_7.5	9/3/2026	10:00	G	S	N	N	X	X	X	X	6	6 SHORT
MW101-SB-07_3	9/3/2026	10:10	G	S	N	N	X	X	X	X	6	7 HOLD
MW101-SB-07_5	9/3/2026	10:20	G	S	N	N	X	X	X	X	6	8
MW101-SB-05_4	9/3/2026	10:50	G	S	N	N	X	X	X	X	6	9
MW101-SB-05_8.5	9/3/2026	11:00	G	S	N	N	X	X	X	X	6	10
MW101-SB-04_5	9/3/2026	11 15	G	S	N	N	X	X	X	X	6	11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	9/3/26 1545		Received by:	9/3 1545	EET
Relinquished by:	9/3 16:30	EET	Received by:	9/3/26 16:30	EET
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1

Cooler Temperature(s) °C and Other Remarks: 1.5/1.7 2) 1.0/1.2 #9

Ver: 07/18/2025

9/14/2026

Eurofins lab name: Eurofins Environment Testing Northeast, LLC (Eurofins Edison)

Lab Address: 777 New Durham Road, Edison, NJ

Chain of Custody Record

eurofins Environment Testing America

Eurofins' services under this CoC shall be performed in accordance with the T&Cs within BSA #2025-2027-Eurofins by and between Haley & Aldrich, Inc. its subsidiaries and affiliates, and Eurofins and its named affiliates.

Client Information	Sampler: Delia Freliech	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No:
Client Contact: NP Staten Island Industrial, LLC	Phone: 917 796-7383	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: NY	Page: 1 of 1
Company: Haley & Aldrich Inc	PWSID:			Job #: 35905
Address: 213 West 35th Street, 7th Floor	Due Date Requested:			
City: New York	TAT Requested (days): Standard (1 week)			
State, Zip: New York, 10001	Compliance Project: Δ Yes Δ No			
Phone: 516-317-9861	PO #: 0213836-003-002-05			
Email: Scommisso@haleyaldrich.com	WO #: 0213836-003-002-05			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site: 4101 Arthur Kill Road, Staten Island, NY	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D BTEX & MTBE	8270 Napthalene & Benzo(a)anthracene	6010B Lead	1633 PFOA & PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A					
MW101-SB-04_7	9/3/2026	11:30	G	S	N	N	X	X	X	X	6	12
MW101-SB-06_5	9/3/2026	11:45	G	S	N	N	X	X	X	X	6	13
MW101-SB-06_9	9/3/2026	12:00	G	S	N	N	X	X	X	X	6	14
TB-01_20260903	9/3/2026			W	N	N	X				2	15

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	9/3/26 1545			9/3 1545	ET
Relinquished by:	9/3 1630	ET		9/3/26 1630	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. 1

Cooler Temperature(s) °C and Other Remarks: 1) 1.1/1.7 2) 1.0/1.2 #9

Ver: 07/18/2025

9/14/2026

Eurofins Edison
Receipt Temperature and pH Log

Job Number: 359045

Number of Coolers: 2

IR Gun # 1

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.3 °C	1.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.0 °C	1.2 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	1,4-Dioxane (pH<4)	Other

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.

EDS-WI-038, Rev 5
9/5/2025

Initials RB Date 9/3/26

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-78936.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP New York		Job #: 460-359015-1
Address: 2425 New Holland Pike,	Due Date Requested: 9/11/2026			Preservation Codes
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633A/1633A_Shake1633 Standard List 40	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MW101-SB-10 4 (460-359015-1)	9/3/26	09:00 Eastern	G	Solid			X	1	
MW101-SB-10 6 (460-359015-2)	9/3/26	09:10 Eastern	G	Solid			X	1	
MW101-SB-09 4 (460-359015-3)	9/3/26	09:30 Eastern	G	Solid			X	1	
MW101-SB-09_6 (460-359015-4)	9/3/26	09:40 Eastern	G	Solid			X	1	
MW101-SB-08_4 (460-359015-5)	9/3/26	09:50 Eastern	G	Solid			X	1	
MW101-SB-08_7 5 (460-359015-6)	9/3/26	10:00 Eastern	G	Solid			X	1	
MW101-SB-07_3 (460-359015-7)	9/3/26	10:10 Eastern	G	Solid			X	1	
MW101-SB-07_5 (460-359015-8)	9/3/26	10:20 Eastern	G	Solid			X	1	
MW101-SB-05 4 (460-359015-9)	9/3/26	10:50 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9-5-26 0300	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-78936.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP New York		Job #: 460-359015-1
Address: 2425 New Holland Pike,	Due Date Requested: 9/11/2026			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633A/1633A_Shake1633 Standard List 40	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MW101-SB-05_8.5 (460-359015-10)	9/3/26	11:00 Eastern	G	Solid			X	1	
MW101-SB-04_5 (460-359015-11)	9/3/26	11 15 Eastern	G	Solid			X	1	
WW101-SB-04_7 (460-359015-12)	9/3/26	11 30 Eastern	G	Solid			X	1	
WW101-SB-06 5 (460-359015-13)	9/3/26	11.45 Eastern	G	Solid			X	1	
WW101-SB-06 9 (460-359015-14)	9/3/26	12.00 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		9/4/26	DET		9/4 23	
2		9/5 0300				
3					9-5-26 0300	GLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: R:0.1 C:0.1

Login Sample Receipt Checklist

Client: Haley & Aldrich Inc

Job Number: 460-359015-1

Login Number: 359015
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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: 460-359015-1

Login Number: 359015
List Number: 2
Creator: Williams, Peter

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 09/05/26 07:35 AM

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	