To: File

From: Sankavi Sampath, Project Manager

Date: October 30, 2025

Subject: **Groundwater Monitoring Report 2025**

Site Name: Techem, Inc. **Site Code:** 130097
Address: 1840 Falmouth Avenue, New Hyde Park, NY 11040
City: New Hyde Park **County:** Nassau

Background

The Techem Inc. site is located in New Hyde Park, Nassau County. Groundwater monitoring was performed at the above-referenced site on 9/30-10/1/2025 by the New York State Department of Environmental Conservation (Department). Three off-site groundwater monitoring wells were sampled using Standard Purge methods to fulfill the Record of Decision (ROD) requirements. A monitoring well location map is provided in Figure 1.

The primary contaminants of concern in the off-site groundwater are per- and polyfluorinated alkyl substances (PFAS) and metals, including cadmium, chromium, iron, copper, lead, nickel, manganese, sodium, and selenium. The former Techem facility used to manufacture electroplating solutions, and due to poor housekeeping and several spills, these heavy metal-containing solutions were released. Between 1994 and 1995, the USEPA removed several small containers and larger drums of hazardous materials from the site, then backfilled with clean soil and covered with concrete. An IRM was conducted between 2010-2011, where approximately 30 cubic yards of soil was excavated and disposed of as hazardous waste, then backfilled with clean soil and covered with topsoil and grass seeds; a former cesspool was also cleaned and filled with a flowable cement/sand mix and covered with concrete and a metal cover. The 2011 Record of Decision (ROD) specified No Further Action was selected as the preferred alternative for the site, with implementation and continued certification of the Site Management Plan (SMP). This includes annual monitoring of the groundwater and a periodic review every three years. This is the second groundwater monitoring event to take place since the SMP was finalized in February 2024.

Details and results of the 2025 groundwater monitoring activities are presented below.

Groundwater Monitoring Procedures

Groundwater samples were collected and managed in accordance with the Field Activities Plan (FAP) attached in Appendix A. The depth to water in each well was

measured using a water level sensor, and the volume to be purged was calculated prior to sampling. HDPE and silicone tubing were attached to the pump and water quality meter. Three water volumes were removed from each well, with water quality parameters being recorded upon stabilization (about 1-1.5 volumes). Purge logs are provided in Appendix A. Purge water was collected and dispersed onto the ground. Samples were collected in laboratory-provided containers at a point before the water flowed through the water quality meter.

Quality assurance/control (QA/QC) samples were also obtained in accordance with the SMP. Field duplicate and field blank samples for metals were taken at well 0097-2, and field duplicate and field blank samples for PFAS was taken at well 0097-3. The samples were dropped off at the Pace Lab in Melville, NY. They were analyzed for metals via EPA Method 6020 and PFAS via EPA Method 1633.

Deviations from the Field Activities Plan

The sampling team forgot to record the well depth for all wells except 0097-1. On 09/30, the pump was running for more than two hours to draw up water from well 0097-2. There was a rise, but there also appeared to be a blockage in the tubing, perhaps of sediment (see photo log). A similar occurrence took place at well 0097-1, where water was not being drawn up no matter what. The dedicated tubing in the well had been removed, and a hole was discovered in it. The tubing was replaced and the pump was left running for about an hour more, but there was still no water. As a result, samples were collected at only one of the three wells.

Groundwater Sample Results

The analytical results for total metals, dissolved metals, and PFAS are presented in Tables 2, 3, and 4 respectively. The site contaminants that appeared in excess of groundwater standards are depicted in Figure 2. The only well sampled this round, well 0097-3, had identifiable exceedances of PFOA at 22.5 ng/L and of PFOS at 159 ng/L. There were no metals exceedances found for the well, with most of the concentrations found to be under 100 micrograms per liter (ppb).

The historical analytical results for metals from 2022 to 2025 are presented in Table 5. The 2022 results come from a 2023 Environmental Assessment and Remediations (EAR) report. The historical analytical results for PFAS are presented in Table 6. Compared to last year, the concentrations of metals have dropped dramatically. Of particular note are barium, chromium, and selenium, which had concentrations in the hundreds of parts per billion last year to below 1 ppb. Compared to the other metals listed, potassium and sodium seemed to have experienced less of a change from last year, although both did decrease in concentration. PFAS have generally decreased in concentration since last year, with the exceptions of PFHpS, PFUnA, and PFNA, which experienced slight increases in concentration. PFOS did not change much in concentration from last year. Although any conclusion drawn will not be as reliable as it could be with data from the other two wells, the PFOS levels found at well 0097-3 suggest the possible existence of another PFOS source near it. In the past year, the PFOS concentration at well 0097-3 was much higher than the concentrations observed

in the wells to the east and upgradient of it. There could be a chance that the contamination had migrated from upgradient and is now simply remaining at the well, but given the fact that the metal levels have decreased at this location, this does not seem likely.

Based on the review of the QA/QC samples and the laboratory narrative provided in Appendix B, the analytical results are for the most part usable. The complete laboratory package is included in Appendix B.

Site-Wide Inspection

There was a noticeable amount of dust on Gilford Avenue on September 30. A local occupant commented that the town was supposed to provide dust control for the street, but according to them no such action has been taken by them. The pavement there and on Falmouth Avenue had cracks and seemed worn, likely because of the trucks and other commercial/industrial vehicles that regularly come through those roads. The pavement on Falmouth Avenue was slightly less degraded, however, and the area encompassed by the site boundary was still largely intact. One of the bolt holes of the lid for well 0097-3 was broken and in need of repair. Unlike last year, well 0097-2 was more easily accessed and did not require any special equipment to do so.

Summary and Recommendations

Due to the fact that only well 0097-3 was able to be sampled, any conclusions drawn from the data would be questionable. At the well, the highest metal concentration was sodium at 60.4 ppb and the highest PFAS concentration was PFOS at 159 ppt. Compared to last year, the concentrations of all metals have decreased to below standards and the concentrations of PFAS has also decreased with the exceptions of four compounds, including PFOS. Since this well had a relatively large concentration of PFOS compared to the other two wells, one of which is upgradient of it, there is a possibility that there is another PFOS source nearby, possibly to the west of well 0097-3. Further investigation would be needed to support this, especially at the other two wells.

There may be several reasons why wells 0097-1 and 0097-2 were unable to be purged. The water levels at the wells have all decreased by a significant amount, perhaps as a result of the recent drought. Peristaltic pumps do not perform as well for deeper groundwater, especially ones deeper than 30 ft. The water levels in wells 0097-2 and 009-1 were 29.7 ft and 30.11 ft respectively. Another reason could be siltation. From what could be observed, it seemed like there was a sediment blockage in the tubing for well 0097-2, and whenever the water level sensor was sent down the well, it would come back up muddy. Perhaps this has also occurred in well 0097-1.

The reason why the wells could not be purged is still uncertain, however. More data would be needed to confirm whether the issue is truly sedimentation or the drought. It is recommended that a future round of sampling take place during or shortly after a wet month, as this may correlate with an elevated water table. It is also recommended that

in this future round the pumps be placed in series to further encourage the chances of drawing water.



Legend

- Monitoring_Wells
- Site Boundary

N

0 80 160 320 480 640 Feet

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Department of Environmental Conservation

Figure 1

Monitoring Well Locations
Techem Inc., Site No. 130097



Legend

- Monitoring_Wells
- Site Boundary

N

0 80 160 320 480 640 Feet

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Department of Environmental Conservation

Figure 2

Groundwater Exceedances
Techem Inc., Site No. 130097

Table 1

Techem, Inc.

New Hyde Park, New York

Site Number: 130097

Groundwater Elevations for September 30, 2025

			Elevation (ft - site datum)				
Monitoring Well Identification	**Casing Construction**	**Well Diameter (inches)**	**Top of Casing**	**Screen Top**	**Screen Bottom**	**Depth to Water (ft bgs)**	**Groundwater Elevation (ft - site datum)**
0097-1	Flushmount	1	88.5	62.8	52.8	30.11	63.92
0097-2	Flushmount	1	87.82	62.82	52.82	29.7	63.06
0097-3	Flushmount	1	85.83	61.83	51.83	28.1	62.85
NOTE: ft bgs = feet below ground surface							

Table 2
Techem, Inc.
New Hyde Park, New York
Site Number 130097
Total Metal Results - September/October 2025

Location		0097-1		0097-2		0097-2		0097-2		0097-3	
Sample Name		20250930-0097-1		20250930-0097-2		FB-Metal		DUP-Metal		20250930-0097-3	
Sample Date		30-Sep-25		30-Sep-25		1-Oct-25		30-Sep-25		30-Sep-25	
Compound Name	NYSDEC TOGS 1.1.1 Criteria	Result	Units	Result	Units	Result	Units	Result	Units	Result	Units
Aluminum	NA	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	--	mg/L
Antimony	3	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Arsenic	25	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Barium	1000	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.06622	µg/L
Beryllium	3	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Cadmium	5	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.02662	µg/L
Calcium	NA	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	24.7	mg/L
Chromium	50	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.2192	µg/L
Cobalt	NA	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.00438	µg/L
Copper	200	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Iron	300**	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	--	mg/L
Lead	25	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Magnesium	35000*	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	2.2	mg/L
Manganese	300**	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Nickel	100	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.02466	µg/L
Potassium	NA	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	4.54	mg/L
Selenium	10	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.0382	µg/L
Silver	50	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Sodium	20000	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	60.4	mg/L
Thallium	0.5**	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Vanadium	NA	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Zinc	2000**	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L

Notes
TOGS Criteria Units: micrograms per liter (µg/l)
*: Guidance Value; no Standard Value listed for Magnesium
**: Iron and Manganese Sum Standard = 200 ppb

Table 3
Techem, Inc.
New Hyde Park, New York
Site Number 130097
Dissolved Metals Results - September/October 2025

Location		0097-1		0097-2		0097-2		0097-2		0097-3	
Sample Name		20250930-0097-1		20250930-0097-2		FB-Metal		DUP-Metal		20250930-0097-3	
Sample Date		30-Sep-25		30-Sep-25		1-Oct-25		30-Sep-25		30-Sep-25	
Compound Name	NYSDEC TOGS 1.1.1 Criteria	Result	Units	Result	Units	Result	Units	Result	Units	Result	Units
Aluminum	NA	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	--	mg/L
Antimony	3	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Arsenic	25	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Barium	1000	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.06686	µg/L
Beryllium	3	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Cadmium	5	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.02754	µg/L
Calcium	NA	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	21	mg/L
Chromium	50	NS	µg/L	NS	µg/L	0.00115	µg/L	NS	µg/L	0.1987	µg/L
Cobalt	NA	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.00422	µg/L
Copper	200	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Iron	300**	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	--	mg/L
Lead	25	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Magnesium	35000*	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	2.18	mg/L
Manganese	300**	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.00109	µg/L
Mercury	0.7	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	--	mg/L
Nickel	100	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.0228	µg/L
Potassium	NA	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	3.74	mg/L
Selenium	10	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	0.0378	µg/L
Silver	50	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Sodium	20000	NS	mg/L	NS	mg/L	--	mg/L	NS	mg/L	53.7	mg/L
Thallium	0.5**	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Vanadium	NA	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L
Zinc	2000**	NS	µg/L	NS	µg/L	--	µg/L	NS	µg/L	--	µg/L

Notes
TOGS Criteria Units: micrograms per liter (µg/l)
*: Guidance Value; no Standard Value listed for Magnesium
**: Iron and Manganese Sum Standard = 200 ppb

Table 4
Techem, Inc.
New Hyde Park, New York
Site Number 130097
PFAS Results - September/October 2025

Location		0097-1		0097-2		0097-3		0097-3		0097-3	
Sample Name		20250930-0097-1		20250930-0097-2		20250930-0097-3		Field Blank-PFAS		DUP-PFAS	
Sample Date		30-Sep-25		30-Sep-25		30-Sep-25		1-Oct-25		30-Sep-25	
Compound Name	Groundwater Standards	Result	Units	Result	Units	Result	Units	Result	Units	Result	Units
PFBA	NA	NS	ng/L	NS	ng/L	6.52	ng/L	--	ng/L	6.34	ng/L
PFPeA	NA	NS	ng/L	NS	ng/L	10.6	ng/L	--	ng/L	10.6	ng/L
PFHxA	NA	NS	ng/L	NS	ng/L	8.34	ng/L	--	ng/L	8.39	ng/L
PFHpA	NA	NS	ng/L	NS	ng/L	7.88	ng/L	--	ng/L	8.14	ng/L
PFOA	2.7*, 10**, 4***	NS	ng/L	NS	ng/L	22.5	ng/L	--	ng/L	21.4	ng/L
PFNA	10***	NS	ng/L	NS	ng/L	5.6	ng/L	--	ng/L	5.27	ng/L
PFDA	NA	NS	ng/L	NS	ng/L	2.16	ng/L	--	ng/L	2.09	ng/L
PFUnA	NA	NS	ng/L	NS	ng/L	3.53	ng/L	--	ng/L	3.06	ng/L
PFDoA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFTrDA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFTeDA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFBS	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFPeS	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFHxS	10***	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFHpS	NA	NS	ng/L	NS	ng/L	2.28	ng/L	--	ng/L	1.89	ng/L
PFOS	6.7*, 10**, 4***	NS	ng/L	NS	ng/L	159	ng/L	--	ng/L	151	ng/L
PFNS	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFDS	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFDoS	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
4:2FTS	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
6:2FTS	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
8:2FTS	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFOSA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
NMeFOSA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
NEtFOSA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
NMeFOSAA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
NEtFOSAA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
NMeFOSE	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
NEtFOSE	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
HFPO-DA	10***	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
ADONA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
F53B Minor	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
F53B Major	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
3:3FTCA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
5:3FTCA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
7:3FTCA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFEESA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFMPA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
PFMBA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L
NFDHA	NA	NS	ng/L	NS	ng/L	--	ng/L	--	ng/L	--	ng/L

Notes
*: Standards from TOGS February 2023 Addendum
**: Standards from NYSDOH
***: Standards from USEPA Final PFAS Rule
Standards Units in nanograms per liter (ng/L)

Table 5
Techem, Inc.
New Hyde Park, New York
Site Number 130097
Metals Trends (Total/Dissolved)

		On-Site Monitoring Well Location ID		
Metal Analyte	Groundwate	0097-1	0097-2	0097-3
Aluminum	6/1/2022	<0.05	<0.05	
(mg/L)	12/13/2022	<0.05	0.14	4.4 J
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
Antimony	6/1/2022	0.41 J	<1	
(µg/L)	12/13/2022	0.25 U	<1	0.39 U
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
Arsenic	6/1/2022	<0.8	<0.8	
(µg/L)	12/13/2022	1.1	<0.8	4.1 J
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
Barium	6/1/2022	160	160	
(µg/L)	12/13/2022	170 J	100	130 J
	9/23/2024	130	100	130
	9/30/2025	NS	NS	0.06622/0.06686
Beryllium	6/1/2022	<0.4	<0.4	
(µg/L)	12/13/2022	<0.4	<0.4	0.36 J
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
Cadmium	6/1/2022	0.03 J	0.05 J	
(µg/L)	12/13/2022	0.05 J	0.1 J	34
	9/23/2024	--	--	29
	9/30/2025	NS	NS	0.02662/0.02754
Calcium	6/1/2022	150	29	
(mg/L)	12/13/2022	160	18	16
	9/23/2024	160	39	30
	9/30/2025	NS	NS	24.7/21
Chromium	6/1/2022	<1	<1	
(µg/L)	12/13/2022	1.4	2.6	220
	9/23/2024	--	--	150
	9/30/2025	NS	NS	0.2192/0.1987
Cobalt	6/1/2022	2.5	0.17 J	
(µg/L)	12/13/2022	2.5	0.29 J	14 J
	9/23/2024	5.6	--	11
	9/30/2025	NS	NS	0.00438/0.00422
Copper	6/1/2022	4.2	2.3 U	
(µg/L)	12/13/2022	4	2.3	22 J
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
Iron	6/1/2022	0.13 U	0.02 U	
(mg/L)	12/13/2022	0.064 U	0.38	12 J
	9/23/2024	--	--	0.13
	9/30/2025	NS	NS	--
Lead	6/1/2022	0.4 J	<0.5	
(µg/L)	12/13/2022	0.48 J	0.62	6.7 J
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
Magnesium	6/1/2022	10	5.2	
(mg/L)	12/13/2022	11	3.8	2.9
	9/23/2024	9.2	5.2	3.3
	9/30/2025	NS	NS	2.2/2.18
Manganese	6/1/2022	0.89 U	2.6 U	
(µg/L)	12/13/2022	3.6	9.4	480 J
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--/0.00109
Mercury	6/1/2022	<0.0001	<0.0001	
(mg/L)	12/13/2022	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
Nickel	6/1/2022	5.9	1.4 J	
(µg/L)	12/13/2022	7.8	2.2 J	45 J
	9/23/2024	8	--	21
	9/30/2025	NS	NS	0.02466/0.0228
Potassium	6/1/2022	12	4.9	
(mg/L)	12/13/2022	12	4.5	4.3
	9/23/2024	9.3	3.4	6.1
	9/30/2025	NS	NS	4.54/3.74
Selenium	6/1/2022	17	1.6 J	
(µg/L)	12/13/2022	27	1.4 J	100
	9/23/2024	12	--	110
	9/30/2025	NS	NS	0.0382/0.0378
Silver	6/1/2022	<0.2	<0.2	
(µg/L)	12/13/2022	<0.2	0.19 J	0.049 J
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
Sodium	6/1/2022	110	120	
(mg/L)	12/13/2022	150	110	50
	9/23/2024	94	97	74
	9/30/2025	NS	NS	60.4/53.7
Thallium	6/1/2022	<0.2	<0.2	
(µg/L)	12/13/2022	<0.2	<0.2	0.11 J
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
Vanadium	6/1/2022	<5	<5	
(µg/L)	12/13/2022	<5	<5	7
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
Zinc	6/1/2022	7.4 U	2.3 U	
(µg/L)	12/13/2022	38	5.6 J	21 J
	9/23/2024	--	--	--
	9/30/2025	NS	NS	--

Notes:
U = Analyte was not detected above the laboratory method detection limit.
J = estimated (above detection limit but below reporting limit)

Table 6
Techem, Inc.
New Hyde Park, New York
Site Number 130097
PFAS Trends

		On-Site Monitoring Well Location ID		
PFAS Analyte	Groundwater Sampling Date	0097-1	0097-2	0097-3
PFBA	9/23/3034	18	8.4	9.9
	9/30/2025	NS	NS	6.52
PFPeA	9/23/2024	29	8.4	20
	9/30/2025	NS	NS	10.6
PFHxA	9/23/2024	24	8.9	18
	9/30/2025	NS	NS	8.34
PFHpA	9/23/2024	15	7.8	16
	9/30/2025	NS	NS	7.88
PFOA	9/23/2024	63	25	66
	9/30/2025	NS	NS	22.5
PFNA	9/23/2024	--	39	3.9
	9/30/2025	NS	NS	5.6
PFDA	9/23/2024	--	1.5	2.2
	9/30/2025	NS	NS	2.16
PFUnA	9/23/2024	--	--	1.7
	9/30/2025	NS	NS	3.53
PFDoA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
PFTrDA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
PFTeDA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
PFBS	9/23/2024	8.4	4.8	4.4
	9/30/2025	NS	NS	--
PFPeS	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
PFHxS	9/23/2024	3.6	7.3	2.7
	9/30/2025	NS	NS	--
PFHpS	9/23/2024	--	--	--
	9/30/2025	NS	NS	2.28
PFOS	9/23/2024	13	15	160
	9/30/2025	NS	NS	159
PFNS	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
PFDS	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
PFDoS	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
4:2FTS	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
6:2FTS	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
8:2FTS	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
PFOSA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
NMeFOSA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
NEtFOSA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
NMeFOSAA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
NEtFOSAA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
NMeFOSE	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
NEtFOSE	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
HFPO-DA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
ADONA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
F53B Minor	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
F53B Major	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
3:3FTCA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
5:3FTCA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
7:3FTCA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
PFEESA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
PFMPA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
PFMBA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--
NFDHA	9/23/2024	--	--	--
	9/30/2025	NS	NS	--

Notes:
Units in ng/L

Appendix A

Techem Inc. Site No. 130097 Field Activities Plan (September/October 2025)

Groundwater Sampling at the

Techem Inc., DEC Site No. 130097

1840 Falmouth Avenue, New Hyde Park, NY, 11040

DEC Project Manager: Sankavi Sampath, 518-402-9806 (office) 631-494-0870 (cell), sankavi.sampath@dec.ny.gov

Objective: Assess current groundwater quality across the site and evaluate performance of remedy. Sample one upgradient and two downgradient monitoring wells. Table 1 indicates the wells to be sampled, sample IDs and analysis. A monitoring well location map is attached as Figure 1.

	Table 1 – Sample Collection Schedule						
Normal Samples	Well ID	Past Groundwater Depth (ft) [2024]	Sample ID	QA/QC	Metals - Filtered (6020)	Metals – Unfiltered (6020)	PFAS (1633)
Off-Site	0097-1	26.25	20250930-0097-1		X	X	X
Off-Site	0097-2	25.9	20250930-0097-2	DUP-Metal, FB-Metal	X	X	X
Off-Site	0097-3	24.31	20250930-0097-3	DUP-PFAS, FB-PFAS	X	X	X
Normal					3	3	3
QA/QC	Duplicate		DUP	2	1		1

	Field Blank		Field Blank	1			1
Totals				3			12

Samples will be analyzed for metals via EPA Method 6020 and PFAS via EPA Method 1633

QA/QC samples consist of a Field Duplicate and a Field Blank

BTOC – feet below top of casing

ft – site datum is feet above site datum

Low-Flow Purge Procedures

1. Measure the depth to water and the well depth using a water level sensor.
2. Set up the peristaltic pump and water quality meter.
3. Turn on the pump and adjust rate to 150-200 mL/min. Remove three well volumes, recording parameters every five minutes off the water quality meter until they stabilize. Repeat if necessary.
4. Detach the tube that feeds into the water quality meter and fill sample bottles from that point. Place samples into cooler with ice.
5. If no visible contamination of purge water is present, discharge to the ground surface.
6. Drop off samples at Pace Labs in Broadway Hollow.

Groundwater Levels from last event:

			Elevation (ft - site datum)				
Monitoring Well	**Casing**	**Well Diameter**	**Top of**	**Screen**	**Screen**	**Depth to Water**	**Groundwater Elevation**
Identification	**Construction**	**(inches)**	**Casing**	**Top**	**Bottom**	**(ft bgs)**	**(ft - site datum)**
0097-1	Flushmount	1	88.5	62.8	52.8	26.25	63.92
0097-2	Flushmount	1	87.82	62.82	52.82	25.9	63.06
0097-3	Flushmount	1	85.83	61.83	51.83	24.31	62.85
NOTE: ft bgs = feet below ground surface							

Bottle Order Number: 535551, Courier Request Number: 796981

Callout Number: 153293

Division of Environmental Remediation
Central Office

Field Log

Site Code #: 130097	**Date: 09/30/2025-10/01/2025**

Site Name: Techem Inc.
Location: 1840 Falmouth Avenue, New Hyde Park, NY, 11040
DEC Project Manager: Sankavi Sampath

	AM (10/1)	**PM (9/30)**
Weather	Sunny	Sunny
Temperature	61°F	77°F
Wind Direction	NE	SW

Objective: Collect groundwater samples for PFAS and metals analysis

Description of Inspection Activities and Discussions:
09/30:
Arrived at 11:30AM AM. Present on-site: Sankavi Sampath, Cecia Bicknell, and Alanna Mitchell. Peristaltic pump was used to purge wells and collect samples

- Well 0097-1: Managed to get one bolt off, but the other was stuck. Decided to try opening it tomorrow.
- Well 0097-2: Depth to water was 29.7 ft. Forgot to measure well depth.
    - Tried to purge well at 13:00, but it kept coming up dry. Replaced dedicated tubing with a new one.
    - Tried purging again at 16:30. About an hour later, saw water rise in tubing, but it seemed to have a sediment blockage.
- Well 0097-3: Depth to water was 28.1 ft. Forgot to measure well depth.
    - Purge started at 14:30 and ended at 15:16.
    - Samples collected at 15:20.
    - Field Blank-PFAS and DUP-PFAS was collected here.
    - Lid partially damaged—one of the holes that held the bolts in place was cracked.

- There was a noticeable amount of dust in the air on Gilford Avenue

Left site at 18:30

10/01:

Arrived at 9:00 AM.

- Well 0097-1: Finally opened well. Depth to water was 30.11 ft. Well depth was 31 ft.
    - Pump turned on at 10:15, but no water was coming.
    - Pulled up dedicated tubing and realized there was a hole in it.
    - Tubing replaced at 11:46
        - Ran out of HDPE tubing doing so.
    - Still no water

Dropped samples off at Melville Pace Lab at 1:52 PM.

Health & Safety:

Level of protection: Level D, used nitrile gloves.

Site Representative: Sankavi Sampath **Date:** 10/02/2025

Representative's Signature: Sankavi Sampath

Photo Log

Picture 1: Well 0097-2



Picture 2: Suspected Sediment Blockage





Picture 3: Hole in Dedicated Tubing at Well 0097-1



Picture 6: Chain of Custody

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL — Mid-Atlantic Expertise

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Sankavi Sampath
Address: 625 Broadway, Albany, NY 12233
Phone: 518-402-9806
Fax:
Email: Sankavi.sampath@dec.ny.gov

Project Information

Project Name: Techem Inc.
Project Location: 1840 Falmouth Avenue, Middletown, NY 11041
Project #: 130097
(Use Project name as Project #) ☐
Project Manager: Sankavi Sampath
ALPHAQuote #: 335551

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☑ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☑ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

1633 | 6020 Total | 6020 - Diss

Sample Filtration
☐ **Done**
☐ **Lab to do**
Preservation
☐ **Lab to do**
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	1633	6020 Total	6020 - Diss						Sample Specific Comments	Total Bottle
	EQUIS 20250930-0097-3	09/30/25	15:20	GW	SS	X									
	20250930-0097-3	09/30/25	15:20	GW	SS		X								
	DUP-PFAS	09/30/25	15:20	GW	SS	X									
	20250930-0097-3	09/30/25	15:20	GW	SS			X							
	Field Blank-PFAS	10/01/25	10:40	GW	SS	X									
	Field FB-Total-Metals	10/01/25	11:40	GW	SS		X								
	FB-Diss-Metals	10/01/25	11:40	GW	SS			X							

Container Type: P P P
Preservative: A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Sankavi Sampath	10/01/25 15:52	RMS FED	10/1/25 15:59

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

3.2 (W)

Monitoring Well Sampling Log

Well No.: 1
Project: Tetra Tech Inc

Date: 10/1
Location: New Castle Park

Project No.: 130097
Casing Type: PVC
Screen Length: 10 ft
Measuring Point: top of casing
Well Diameter: 1 in
Well Depth: 31 ft
Water Level: 30.11 ft
Water Column: 0.89 ft
1 Volume (gal.): 0.0495

Purge Device: peristaltic pump
Start Purge:
Stop Purge:
Tubing Type: HDPE
Sampling Device:
Sample Time:
Sample Personnel: Samkeen, Celia, Alanna
Sample Analyses: 6020 and 1633

Notes: Turned on Pump at 10:15. Replaced tubing @ 11:46 b/c pump came a bit loose.

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks

Monitoring Well Sampling Log

Well No.: 2
Project:

Date: 9/30
Location:

Project No.:
Casing Type:
Screen Length:
Measuring Point:
Well Diameter:
Well Depth:
Water Level: 29.7 ft
Water Column:
1 Volume (gal.):

Purge Device:
Start Purge: 13:00 16:30
Stop Purge:
Tubing Type:
Sampling Device:
Sample Time:
Sample Personnel:
Sample Analyses:

Notes: Ran pump for ~~2hrs~~ 2 hours. Saw some liquid rise in tube, but it seemed to be not. ideal due to blockages

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
1000										
1010										

Monitoring Well Sampling Log

Well No.: 3
Project: Tetra Tech Inc

Date: 9/30
Location: New Hyde Park

Project No.: 130097
Casing Type: PVC
Screen Length: 10 ft
Measuring Point: top of casing
Well Diameter: 1 in
Well Depth: ~~0.00~~
Water Level: 28.1
Water Column:
1 Volume (gal.):

Purge Device: peristaltic pump
Start Purge: ~~2:30 PM~~ - 14:30
Stop Purge: 15:16
Tubing Type: HDPE
Sampling Device:
Sample Time:
Sample Personnel: Sunkari, Cecia, Alanna
Sample Analyses: 6020 and 1633

Notes:
Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft
Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)°C	ORP (mV)	Depth to Water (ft.)	Remarks
14:30	150		6.58	.342	~~0~~	6.94	24.77°	158		
14:35			6.45	.337	0	7.14	24.62	182		
14:40			6.37	.347	0	7.27	23.13	199		
14:45			6.30	.330	0	6.36	25.58	208		
14:50			6.33	.323	0	6.02	26.34	200		
14:55			6.54	.321	0	5.91	26.53	203		
15:00	V		6.36	0.318	0	5.89	26.64	215		
15:05	V		6.47	0.319	0	4.61	26.65	212		
15:10			6.48	0.2~~8~~31	0	5.92	26.69	215		
15:15			6.54	0.317	0	5.84	26.54	214		

Appendix B

Pace Analytical Services, LLC - East Longmeadow, Ma

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

October 28, 2025

Sankavi Sampath
NYDEC_NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012

Project Location: 1840 Falmouth Avenue, New HYdelake, NY 11040
Client Job Number:
Project Number: 130097
Laboratory Work Order Number: 25J0089

Enclosed are results of analyses for samples as received by the laboratory on October 2, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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B414764 16

B416049 20

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WG2123283 25

WG2123287 25

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WG2123707 27

WG2123709 28

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

NYDEC_NYS Division of Environmental Remediat
625 Broadway 12th Floor
Albany, NY 12233-7012
ATTN: Sankavi Sampath

REPORT DATE: 10/28/2025

PURCHASE ORDER NUMBER: 152316

PROJECT NUMBER: 130097

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25J0089

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

PROJECT LOCATION: 1840 Falmouth Avenue, New HYdelake, NY 11040

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20250930-0097-3	25J0089-01	Ground Water		EPA 1633A	
20250930-0097-3	25J0089-02	Ground Water		varies	M-MA-086/CT PH-0826/NY11148
DUP-PFAS	25J0089-03	Ground Water		EPA 1633A	
20250930-0097-3	25J0089-04	Ground Water		varies	M-MA-086/CT PH-0826/NY11148
Field Blank-PFAS	25J0089-05	Field Blank		EPA 1633A	
FB-Total-Metals	25J0089-06	Field Blank		varies	M-MA-086/CT PH-0826/NY11148
FB-Dis-Metals	25J0089-07	Field Blank		varies	M-MA-086/CT PH-0826/NY11148

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CASE NARRATIVE SUMMARY

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

EPA 1633A

Qualifications:

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FT
B414764-BLK1, B414764-MRL1

N-EtFOSAA (NEtFOSAA)
B414764-BLK1, B414764-MRL1

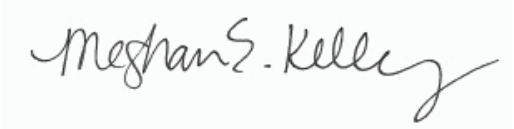
N-ethylperfluorooctanesulfonamidoethanol (NEtFO
B414764-BLK1, B414764-MRL1

Perfluorododecanoic acid (PFDoA)
B414764-BLK1, B414764-MRL1

Perfluoropentanesulfonic acid (PFPeS)
B414764-BLK1, B414764-MRL1

Perfluorotridecanoic acid (PFTrDA)
B414764-BLK1, B414764-MRL1

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



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1840 Falmouth Avenue, New HYd Sample Description: Work Order: 25J0089

Date Received: 10/2/2025

Field Sample #: 20250930-0097-3 Sampled: 9/30/2025 15:20

Sample ID: 25J0089-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.52	6.15	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluoropentanoic acid (PFPeA)	10.6	3.07	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorohexanoic acid (PFHxA)	8.34	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluoroheptanoic acid (PFHpA)	7.88	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorooctanoic acid (PFOA)	22.5	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorononanoic acid (PFNA)	5.60	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorodecanoic acid (PFDA)	2.16	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluoroundecanoic acid (PFUnA)	3.53	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluoroheptanesulfonic acid (PFHpS)	2.28	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorooctanesulfonic acid (PFOS)	159	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.15	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.15	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.15	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.54	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	15.4	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	15.4	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.15	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.15	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.15	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.15	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	7.69	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	38.4	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	38.4	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.07	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.07	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1840 Falmouth Avenue, New HYd Sample Description: Work Order: 25J0089

Date Received: 10/2/2025

Field Sample #: 20250930-0097-3 Sampled: 9/30/2025 15:20

Sample ID: 25J0089-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.07	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.07	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:33	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	95.8	5-130		10/25/25 18:33
13C5-PFPeA	98.1	40-130		10/25/25 18:33
13C5-PFHxA	101	40-130		10/25/25 18:33
13C4-PFHpA	91.4	40-130		10/25/25 18:33
13C8-PFOA	99.3	40-130		10/25/25 18:33
13C9-PFNA	94.8	40-130		10/25/25 18:33
13C6-PFDA	94.2	40-130		10/25/25 18:33
13C7-PFUnA	89.9	30-130		10/25/25 18:33
13C2-PFDoA	90.9	10-130		10/25/25 18:33
13C2-PFTeDA	84.0	10-130		10/25/25 18:33
13C3-PFBS	112	40-135		10/25/25 18:33
13C3-PFHxS	104	40-130		10/25/25 18:33
13C8-PFOS	88.8	40-130		10/25/25 18:33
13C2-4:2FTS	105	40-200		10/25/25 18:33
13C2-6:2FTS	95.1	40-200		10/25/25 18:33
13C2-8:2FTS	91.3	40-300		10/25/25 18:33
13C8-PFOSA	79.4	40-130		10/25/25 18:33
D3-NMeFOSA	75.8	10-130		10/25/25 18:33
D5-NEtFOSA	81.3	10-130		10/25/25 18:33
D3-NMeFOSAA	97.7	40-170		10/25/25 18:33
D5-NEtFOSAA	92.2	25-135		10/25/25 18:33
D7-NMeFOSE	71.5	10-130		10/25/25 18:33
D9-NEtFOSE	72.4	10-130		10/25/25 18:33
13C3-HFPO-DA	103	40-130		10/25/25 18:33

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1840 Falmouth Avenue, New HYd Sample Description: Work Order: 25J0089

Date Received: 10/2/2025

Field Sample #: 20250930-0097-3 Sampled: 9/30/2025 15:20

Sample ID: 25J0089-02

Sample Matrix: Ground Water

Total Metals - Mansfield Lab

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	ND	0.0100	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Mercury, Total	ND	0.00020	mg/l	1	U	7470A	10/5/25	10/9/25 10:56	RDB
Antimony, Total	ND	0.00400	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Arsenic, Total	ND	0.00050	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Barium, Total	0.06622	0.00050	mg/l	1		6020B	10/5/25	10/14/25 14:05	BLR
Beryllium, Total	ND	0.00050	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Cadmium, Total	0.02662	0.00020	mg/l	1		6020B	10/5/25	10/14/25 14:05	BLR
Calcium, Total	24.7	0.100	mg/l	1		6020B	10/5/25	10/14/25 14:05	BLR
Chromium, Total	0.2192	0.00100	mg/l	1		6020B	10/5/25	10/14/25 14:05	BLR
Cobalt, Total	0.00438	0.00050	mg/l	1		6020B	10/5/25	10/14/25 14:05	BLR
Copper, Total	ND	0.00100	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Iron, Total	ND	0.0500	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Lead, Total	ND	0.00100	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Magnesium, Total	2.20	0.0700	mg/l	1		6020B	10/5/25	10/14/25 14:05	BLR
Manganese, Total	ND	0.00100	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Nickel, Total	0.02466	0.00200	mg/l	1		6020B	10/5/25	10/14/25 14:05	BLR
Potassium, Total	4.54	0.100	mg/l	1		6020B	10/5/25	10/14/25 14:05	BLR
Selenium, Total	0.0382	0.00500	mg/l	1		6020B	10/5/25	10/14/25 14:05	BLR
Silver, Total	ND	0.00040	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Sodium, Total	60.4	0.500	mg/l	1		6020B	10/5/25	10/14/25 14:05	BLR
Thallium, Total	ND	0.00100	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Vanadium, Total	ND	0.00500	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR
Zinc, Total	ND	0.01000	mg/l	1	U	6020B	10/5/25	10/14/25 14:05	BLR

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1840 Falmouth Avenue, New HYd Sample Description: Work Order: 25J0089

Date Received: 10/2/2025

Field Sample #: DUP-PFAS Sampled: 9/30/2025 15:20

Sample ID: 25J0089-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.34	6.02	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluoropentanoic acid (PFPeA)	10.6	3.01	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorohexanoic acid (PFHxA)	8.39	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluoroheptanoic acid (PFHpA)	8.14	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorooctanoic acid (PFOA)	21.4	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorononanoic acid (PFNA)	5.27	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorodecanoic acid (PFDA)	2.09	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluoroundecanoic acid (PFUnA)	3.06	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluoroheptanesulfonic acid (PFHpS)	1.89	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorooctanesulfonic acid (PFOS)	151	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.02	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.02	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.02	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.50	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	15.0	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	15.0	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.02	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.02	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.02	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.02	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	7.52	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	37.6	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	37.6	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.01	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.01	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1840 Falmouth Avenue, New HYd Sample Description: Work Order: 25J0089

Date Received: 10/2/2025

Field Sample #: DUP-PFAS Sampled: 9/30/2025 15:20

Sample ID: 25J0089-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.01	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.01	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:42	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	96.5	5-130		10/25/25 18:42
13C5-PFPeA	96.7	40-130		10/25/25 18:42
13C5-PFHxA	100	40-130		10/25/25 18:42
13C4-PFHpA	95.0	40-130		10/25/25 18:42
13C8-PFOA	96.2	40-130		10/25/25 18:42
13C9-PFNA	93.9	40-130		10/25/25 18:42
13C6-PFDA	99.7	40-130		10/25/25 18:42
13C7-PFUnA	94.1	30-130		10/25/25 18:42
13C2-PFDoA	94.9	10-130		10/25/25 18:42
13C2-PFTeDA	89.9	10-130		10/25/25 18:42
13C3-PFBS	108	40-135		10/25/25 18:42
13C3-PFHxS	106	40-130		10/25/25 18:42
13C8-PFOS	101	40-130		10/25/25 18:42
13C2-4:2FTS	95.9	40-200		10/25/25 18:42
13C2-6:2FTS	91.3	40-200		10/25/25 18:42
13C2-8:2FTS	77.6	40-300		10/25/25 18:42
13C8-PFOSA	90.6	40-130		10/25/25 18:42
D3-NMeFOSA	80.0	10-130		10/25/25 18:42
D5-NEtFOSA	83.9	10-130		10/25/25 18:42
D3-NMeFOSAA	106	40-170		10/25/25 18:42
D5-NEtFOSAA	102	25-135		10/25/25 18:42
D7-NMeFOSE	82.0	10-130		10/25/25 18:42
D9-NEtFOSE	79.9	10-130		10/25/25 18:42
13C3-HFPO-DA	104	40-130		10/25/25 18:42

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1840 Falmouth Avenue, New HYd Sample Description: Work Order: 25J0089

Date Received: 10/2/2025

Field Sample #: 20250930-0097-3 Sampled: 9/30/2025 15:20

Sample ID: 25J0089-04

Sample Matrix: Ground Water

Dissolved Metals - Mansfield Lab

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Dissolved	ND	0.0100	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY
Mercury, Dissolved	ND	0.00020	mg/l	1	U	7470A	10/3/25	10/5/25 12:07	CME
Antimony, Dissolved	ND	0.00400	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY
Arsenic, Dissolved	ND	0.00050	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY
Barium, Dissolved	0.06686	0.00050	mg/l	1		6020B	10/3/25	10/14/25 15:31	CEY
Beryllium, Dissolved	ND	0.00050	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY
Cadmium, Dissolved	0.02754	0.00020	mg/l	1		6020B	10/3/25	10/14/25 15:31	CEY
Calcium, Dissolved	21.0	0.100	mg/l	1		6020B	10/3/25	10/14/25 15:31	CEY
Chromium, Dissolved	0.1987	0.01000	mg/l	10		6020B	10/3/25	10/14/25 16:25	CEY
Cobalt, Dissolved	0.00422	0.00050	mg/l	1		6020B	10/3/25	10/14/25 15:31	CEY
Copper, Dissolved	ND	0.00100	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY
Iron, Dissolved	ND	0.0500	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY
Lead, Dissolved	ND	0.00100	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY
Magnesium, Dissolved	2.18	0.0700	mg/l	1		6020B	10/3/25	10/14/25 15:31	CEY
Manganese, Dissolved	0.00109	0.00100	mg/l	1		6020B	10/3/25	10/14/25 15:31	CEY
Nickel, Dissolved	0.02280	0.00200	mg/l	1		6020B	10/3/25	10/14/25 15:31	CEY
Potassium, Dissolved	3.74	0.100	mg/l	1		6020B	10/3/25	10/14/25 15:31	CEY
Selenium, Dissolved	0.0378	0.00500	mg/l	1		6020B	10/3/25	10/14/25 15:31	CEY
Silver, Dissolved	ND	0.00040	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY
Sodium, Dissolved	53.7	0.500	mg/l	1		6020B	10/3/25	10/14/25 15:31	CEY
Thallium, Dissolved	ND	0.00100	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY
Vanadium, Dissolved	ND	0.00500	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY
Zinc, Dissolved	ND	0.01000	mg/l	1	U	6020B	10/3/25	10/14/25 15:31	CEY

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1840 Falmouth Avenue, New HYd Sample Description: Work Order: 25J0089

Date Received: 10/2/2025

Field Sample #: Field Blank-PFAS Sampled: 10/1/2025 11:40

Sample ID: 25J0089-05

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	6.36	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluoropentanoic acid (PFPeA)	ND	3.18	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorooctanoic acid (PFOA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorononanoic acid (PFNA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorodecanoic acid (PFDA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.36	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.36	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.36	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.59	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	15.9	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	15.9	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.36	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.36	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
9Cl-PF3ONS (F53B Minor)	ND	6.36	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
11Cl-PF3OUdS (F53B Major)	ND	6.36	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	7.95	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	39.7	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	39.7	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.18	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.18	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1840 Falmouth Avenue, New HYd Sample Description: Work Order: 25J0089

Date Received: 10/2/2025

Field Sample #: Field Blank-PFAS Sampled: 10/1/2025 11:40

Sample ID: 25J0089-05

Sample Matrix: Field Blank

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.18	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.18	ng/L	1		EPA 1633A	10/25/25	10/25/25 18:51	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C4-PFBA	89.5	5-130		10/25/25 18:51
13C5-PFPeA	94.5	40-130		10/25/25 18:51
13C5-PFHxA	97.4	40-130		10/25/25 18:51
13C4-PFHpA	94.0	40-130		10/25/25 18:51
13C8-PFOA	84.9	40-130		10/25/25 18:51
13C9-PFNA	91.6	40-130		10/25/25 18:51
13C6-PFDA	94.7	40-130		10/25/25 18:51
13C7-PFUnA	87.7	30-130		10/25/25 18:51
13C2-PFDoA	80.3	10-130		10/25/25 18:51
13C2-PFTeDA	79.0	10-130		10/25/25 18:51
13C3-PFBS	99.1	40-135		10/25/25 18:51
13C3-PFHxS	95.0	40-130		10/25/25 18:51
13C8-PFOS	91.9	40-130		10/25/25 18:51
13C2-4:2FTS	99.0	40-200		10/25/25 18:51
13C2-6:2FTS	93.8	40-200		10/25/25 18:51
13C2-8:2FTS	88.6	40-300		10/25/25 18:51
13C8-PFOSA	78.7	40-130		10/25/25 18:51
D3-NMeFOSA	73.8	10-130		10/25/25 18:51
D5-NEtFOSA	76.2	10-130		10/25/25 18:51
D3-NMeFOSAA	95.5	40-170		10/25/25 18:51
D5-NEtFOSAA	93.3	25-135		10/25/25 18:51
D7-NMeFOSE	70.3	10-130		10/25/25 18:51
D9-NEtFOSE	70.5	10-130		10/25/25 18:51
13C3-HFPO-DA	103	40-130		10/25/25 18:51

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1840 Falmouth Avenue, New HYd Sample Description: Work Order: 25J0089

Date Received: 10/2/2025

Field Sample #: FB-Total-Metals Sampled: 10/1/2025 11:40

Sample ID: 25J0089-06

Sample Matrix: Field Blank

Total Metals - Mansfield Lab

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Total	ND	0.0100	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Mercury, Total	ND	0.00020	mg/l	1	U	7470A	10/5/25	10/9/25 10:59	RDB
Antimony, Total	ND	0.00400	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Arsenic, Total	ND	0.00050	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Barium, Total	ND	0.00050	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Beryllium, Total	ND	0.00050	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Cadmium, Total	ND	0.00020	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Calcium, Total	ND	0.100	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Chromium, Total	ND	0.00100	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Cobalt, Total	ND	0.00050	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Copper, Total	ND	0.00100	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Iron, Total	ND	0.0500	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Lead, Total	ND	0.00100	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Magnesium, Total	ND	0.0700	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Manganese, Total	ND	0.00100	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Nickel, Total	ND	0.00200	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Potassium, Total	ND	0.100	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Selenium, Total	ND	0.00500	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Silver, Total	ND	0.00040	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Sodium, Total	ND	0.500	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Thallium, Total	ND	0.00100	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Vanadium, Total	ND	0.00500	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR
Zinc, Total	ND	0.01000	mg/l	1	U	6020B	10/5/25	10/14/25 14:11	BLR

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1840 Falmouth Avenue, New HYd Sample Description: Work Order: 25J0089

Date Received: 10/2/2025

Field Sample #: FB-Dis-Metals Sampled: 10/1/2025 11:40

Sample ID: 25J0089-07

Sample Matrix: Field Blank

Dissolved Metals - Mansfield Lab

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum, Dissolved	ND	0.0100	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Mercury, Dissolved	ND	0.00020	mg/l	1	U	7470A	10/3/25	10/5/25 12:10	CME
Antimony, Dissolved	ND	0.00400	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Arsenic, Dissolved	ND	0.00050	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Barium, Dissolved	ND	0.00050	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Beryllium, Dissolved	ND	0.00050	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Cadmium, Dissolved	ND	0.00020	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Calcium, Dissolved	ND	0.100	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Chromium, Dissolved	0.00115	0.00100	mg/l	1		6020B	10/3/25	10/14/25 15:26	CEY
Cobalt, Dissolved	ND	0.00050	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Copper, Dissolved	ND	0.00100	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Iron, Dissolved	ND	0.0500	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Lead, Dissolved	ND	0.00100	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Magnesium, Dissolved	ND	0.0700	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Manganese, Dissolved	ND	0.00100	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Nickel, Dissolved	ND	0.00200	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Potassium, Dissolved	ND	0.100	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Selenium, Dissolved	ND	0.00500	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Silver, Dissolved	ND	0.00040	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Sodium, Dissolved	ND	0.500	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Thallium, Dissolved	ND	0.00100	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Vanadium, Dissolved	ND	0.00500	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY
Zinc, Dissolved	ND	0.01000	mg/l	1	U	6020B	10/3/25	10/14/25 15:26	CEY

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Sample Extraction Data

Prep Method:EPA 3005A **Analytical Method:6020B**
Media :

Lab Number [Field ID]	Batch	Initial [ml]	Final [ml]	Date
25J0089-04 [20250930-0097-3]	WG2123287	50	50	10/03/25
25J0089-07 [FB-Dis-Metals]	WG2123287	50	50	10/03/25

Prep Method:EPA 3005A **Analytical Method:6020B**
Media :

Lab Number [Field ID]	Batch	Initial [ml]	Final [ml]	Date
25J0089-02 [20250930-0097-3]	WG2123707	50	50	10/05/25
25J0089-06 [FB-Total-Metals]	WG2123707	50	50	10/05/25

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

Lab Number [Field ID]	Batch	Initial [ml]	Final [ml]	Date
25J0089-04 [20250930-0097-3]	WG2123283	25	25	10/03/25
25J0089-07 [FB-Dis-Metals]	WG2123283	25	25	10/03/25

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

Lab Number [Field ID]	Batch	Initial [ml]	Final [ml]	Date
25J0089-02 [20250930-0097-3]	WG2123709	25	25	10/05/25
25J0089-06 [FB-Total-Metals]	WG2123709	25	25	10/05/25

Sample Extraction Data

Prep Method:EPA 1633 **Analytical Method:EPA 1633A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25J0089-01RE1 [20250930-0097-3]	B416049	520	4.00	10/25/25
25J0089-03RE1 [DUP-PFAS]	B416049	532	4.00	10/25/25
25J0089-05RE1 [Field Blank-PFAS]	B416049	503	4.00	10/25/25

Pace Analytical Services, LLC - East Longmeadow, Ma

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

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B414764 - EPA 1633										
Blank (B414764-BLK1)				Prepared: 10/21/25 Analyzed: 10/22/25						
Perfluorobutanoic acid (PFBA)	ND	6.26	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	3.13	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.57	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.57	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.57	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.57	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.57	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.57	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.57	ng/L							L-03
Perfluorotridecanoic acid (PFTrDA)	ND	1.57	ng/L							L-03
Perfluorotetradecanoic acid (PFTeDA)	ND	1.57	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.57	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.57	ng/L							L-03
Perfluorohexanesulfonic acid (PFHxS)	ND	1.57	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.57	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.57	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	1.57	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	1.57	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	1.57	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.26	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.26	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.26	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	1.57	ng/L							
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.57	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.57	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	1.57	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.57	ng/L							L-03
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	15.7	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	15.7	ng/L							L-03
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.26	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.26	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	6.26	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	6.26	ng/L							
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	7.83	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	39.1	ng/L							L-03
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	39.1	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.13	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.13	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.13	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.13	ng/L							
Surrogate: 13C4-PFBA	*129*		ng/L	156.6		82.6	5-130			

Pace Analytical Services, LLC - East Longmeadow, Ma

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

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B414764 - EPA 1633										
Blank (B414764-BLK1)				Prepared: 10/21/25 Analyzed: 10/22/25						
Surrogate: 13C5-PFPeA	*68.5*		ng/L	78.29		87.4	40-130			
Surrogate: 13C5-PFHxA	*37.7*		ng/L	39.14		96.2	40-130			
Surrogate: 13C4-PFHpA	*35.9*		ng/L	39.14		91.8	40-130			
Surrogate: 13C8-PFOA	*31.8*		ng/L	39.14		81.3	40-130			
Surrogate: 13C9-PFNA	*16.6*		ng/L	19.57		85.1	40-130			
Surrogate: 13C6-PFDA	*16.9*		ng/L	19.57		86.4	40-130			
Surrogate: 13C7-PFUnA	*15.8*		ng/L	19.57		80.5	30-130			
Surrogate: 13C2-PFDoA	*15.2*		ng/L	19.57		77.5	10-130			
Surrogate: 13C2-PFTeDA	*14.0*		ng/L	19.57		71.5	10-130			
Surrogate: 13C3-PFBS	*37.7*		ng/L	39.14		96.2	40-135			
Surrogate: 13C3-PFHxS	*34.9*		ng/L	39.14		89.2	40-130			
Surrogate: 13C8-PFOS	*33.3*		ng/L	39.14		85.2	40-130			
Surrogate: 13C2-4:2FTS	*80.4*		ng/L	78.29		103	40-200			
Surrogate: 13C2-6:2FTS	*76.5*		ng/L	78.29		97.7	40-200			
Surrogate: 13C2-8:2FTS	*71.1*		ng/L	78.29		90.8	40-300			
Surrogate: 13C8-PFOSA	*29.5*		ng/L	39.14		75.4	40-130			
Surrogate: D3-NMeFOSA	*30.8*		ng/L	39.14		78.7	10-130			
Surrogate: D5-NEtFOSA	*29.2*		ng/L	39.14		74.5	10-130			
Surrogate: D3-NMeFOSAA	*71.2*		ng/L	78.29		90.9	40-170			
Surrogate: D5-NEtFOSAA	*62.9*		ng/L	78.29		80.4	25-135			
Surrogate: D7-NMeFOSE	*271*		ng/L	391.4		69.2	10-130			
Surrogate: D9-NEtFOSE	*266*		ng/L	391.4		68.0	10-130			
Surrogate: 13C3-HFPO-DA	*154*		ng/L	156.6		98.1	40-130			
LCS (B414764-BS1)				Prepared: 10/21/25 Analyzed: 10/22/25						
Perfluorobutanoic acid (PFBA)	73.3	6.27	ng/L	78.33		93.6	70-140			
Perfluoropentanoic acid (PFPeA)	37.8	3.13	ng/L	39.17		96.5	65-135			
Perfluorohexanoic acid (PFHxA)	18.0	1.57	ng/L	19.58		92.1	70-145			
Perfluoroheptanoic acid (PFHpA)	18.6	1.57	ng/L	19.58		94.8	70-150			
Perfluorooctanoic acid (PFOA)	17.5	1.57	ng/L	19.58		89.4	70-150			
Perfluorononanoic acid (PFNA)	18.1	1.57	ng/L	19.58		92.2	70-150			
Perfluorodecanoic acid (PFDA)	17.8	1.57	ng/L	19.58		91.0	70-140			
Perfluoroundecanoic acid (PFUnA)	20.0	1.57	ng/L	19.58		102	70-145			
Perfluorododecanoic acid (PFDoA)	18.4	1.57	ng/L	19.58		93.8	70-140			
Perfluorotridecanoic acid (PFTrDA)	16.7	1.57	ng/L	19.58		85.2	65-140			
Perfluorotetradecanoic acid (PFTeDA)	18.6	1.57	ng/L	19.58		95.0	60-140			
Perfluorobutanesulfonic acid (PFBS)	15.2	1.57	ng/L	17.39		87.1	60-145			
Perfluoropentanesulfonic acid (PFPeS)	17.1	1.57	ng/L	18.41		92.8	65-140			
Perfluorohexanesulfonic acid (PFHxS)	15.4	1.57	ng/L	17.86		86.4	65-145			
Perfluoroheptanesulfonic acid (PFHpS)	17.8	1.57	ng/L	18.64		95.2	70-150			
Perfluorooctanesulfonic acid (PFOS)	16.6	1.57	ng/L	18.17		91.2	55-150			
Perfluorononanesulfonic acid (PFNS)	18.6	1.57	ng/L	18.80		99.0	65-145			
Perfluorodecanesulfonic acid (PFDS)	16.6	1.57	ng/L	18.88		87.9	60-145			
Perfluorododecanesulfonic acid (PFDoS)	16.0	1.57	ng/L	18.96		84.4	50-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	72.9	6.27	ng/L	73.40		99.3	70-145			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	72.5	6.27	ng/L	74.49		97.4	65-155			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	74.4	6.27	ng/L	75.20		98.9	60-150			
Perfluorooctanesulfonamide (PFOSA)	17.1	1.57	ng/L	19.58		87.1	70-145			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	17.3	1.57	ng/L	19.58		88.3	60-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B414764 - EPA 1633										
LCS (B414764-BS1)				Prepared: 10/21/25 Analyzed: 10/22/25						
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	16.7	1.57	ng/L	19.58		85.3	65-145			
N-MeFOSAA (NMeFOSAA)	17.9	1.57	ng/L	19.58		91.4	50-140			
N-EtFOSAA (NEtFOSAA)	16.5	1.57	ng/L	19.58		84.5	70-145			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	172	15.7	ng/L	195.8		87.8	70-145			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	176	15.7	ng/L	195.8		90.0	70-135			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	72.0	6.27	ng/L	78.33		91.9	70-140			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	67.7	6.27	ng/L	74.02		91.5	65-145			
9Cl-PF3ONS (F53B Minor)	72.1	6.27	ng/L	73.08		98.6	70-155			
11Cl-PF3OUdS (F53B Major)	71.2	6.27	ng/L	72.85		97.8	55-160			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	72.2	7.83	ng/L	97.91		73.8	65-130			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	432	39.2	ng/L	489.6		88.3	70-135			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	431	39.2	ng/L	489.6		88.0	50-145			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	33.2	3.13	ng/L	34.94		94.9	70-140			
Perfluoro-3-methoxypropanoic acid (PFMPA)	36.2	3.13	ng/L	39.17		92.5	55-140			
Perfluoro-4-methoxybutanoic acid (PFMBA)	37.2	3.13	ng/L	39.17		94.9	60-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	38.3	3.13	ng/L	39.17		97.7	50-150			
Surrogate: 13C4-PFBA	*160*		ng/L	156.7		102	5-130			
Surrogate: 13C5-PFPeA	*81.2*		ng/L	78.33		104	40-130			
Surrogate: 13C5-PFHxA	*42.6*		ng/L	39.17		109	40-130			
Surrogate: 13C4-PFHpA	*42.9*		ng/L	39.17		110	40-130			
Surrogate: 13C8-PFOA	*41.4*		ng/L	39.17		106	40-130			
Surrogate: 13C9-PFNA	*20.8*		ng/L	19.58		106	40-130			
Surrogate: 13C6-PFDA	*22.1*		ng/L	19.58		113	40-130			
Surrogate: 13C7-PFUnA	*20.1*		ng/L	19.58		103	30-130			
Surrogate: 13C2-PFDoA	*20.7*		ng/L	19.58		106	10-130			
Surrogate: 13C2-PFTeDA	*18.6*		ng/L	19.58		94.9	10-130			
Surrogate: 13C3-PFBS	*48.5*		ng/L	39.17		124	40-135			
Surrogate: 13C3-PFHxS	*46.4*		ng/L	39.17		118	40-130			
Surrogate: 13C8-PFOS	*37.6*		ng/L	39.17		96.0	40-130			
Surrogate: 13C2-4:2FTS	*89.1*		ng/L	78.33		114	40-200			
Surrogate: 13C2-6:2FTS	*87.0*		ng/L	78.33		111	40-200			
Surrogate: 13C2-8:2FTS	*76.3*		ng/L	78.33		97.4	40-300			
Surrogate: 13C8-PFOSA	*36.4*		ng/L	39.17		93.0	40-130			
Surrogate: D3-NMeFOSA	*35.8*		ng/L	39.17		91.3	10-130			
Surrogate: D5-NEtFOSA	*37.2*		ng/L	39.17		94.9	10-130			
Surrogate: D3-NMeFOSAA	*84.5*		ng/L	78.33		108	40-170			
Surrogate: D5-NEtFOSAA	*81.5*		ng/L	78.33		104	25-135			
Surrogate: D7-NMeFOSE	*347*		ng/L	391.7		88.6	10-130			
Surrogate: D9-NEtFOSE	*349*		ng/L	391.7		89.0	10-130			
Surrogate: 13C3-HFPO-DA	*179*		ng/L	156.7		114	40-130			
MRL Check (B414764-MRL1)				Prepared: 10/21/25 Analyzed: 10/22/25						
Perfluorobutanoic acid (PFBA)	9.60	6.27	ng/L	12.54		76.6	0-200			
Perfluoropentanoic acid (PFPeA)	4.56	3.13	ng/L	6.269		72.8	0-200			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B414764 - EPA 1633										
MRL Check (B414764-MRL1)				Prepared: 10/21/25 Analyzed: 10/22/25						
Perfluorohexanoic acid (PFHxA)	2.38	1.57	ng/L	3.134		75.9	0-200			
Perfluoroheptanoic acid (PFHpA)	2.40	1.57	ng/L	3.134		76.7	0-200			
Perfluorooctanoic acid (PFOA)	2.63	1.57	ng/L	3.134		83.9	0-200			
Perfluorononanoic acid (PFNA)	2.34	1.57	ng/L	3.134		74.5	0-200			
Perfluorodecanoic acid (PFDA)	2.26	1.57	ng/L	3.134		72.3	0-200			
Perfluoroundecanoic acid (PFUnA)	2.38	1.57	ng/L	3.134		76.0	0-200			
Perfluorododecanoic acid (PFDoA)	2.17	1.57	ng/L	3.134		69.1	0-200			L-03
Perfluorotridecanoic acid (PFTrDA)	1.87	1.57	ng/L	3.134		59.7	0-200			L-03
Perfluorotetradecanoic acid (PFTeDA)	1.98	1.57	ng/L	3.134		63.2	0-200			
Perfluorobutanesulfonic acid (PFBS)	2.05	1.57	ng/L	2.783		73.6	0-200			
Perfluoropentanesulfonic acid (PFPeS)	1.73	1.57	ng/L	2.946		58.8	0-200			L-03
Perfluorohexanesulfonic acid (PFHxS)	2.02	1.57	ng/L	2.859		70.7	0-200			
Perfluoroheptanesulfonic acid (PFHpS)	2.54	1.57	ng/L	2.984		85.2	0-200			
Perfluorooctanesulfonic acid (PFOS)	2.19	1.57	ng/L	2.909		75.5	0-200			
Perfluorononanesulfonic acid (PFNS)	2.30	1.57	ng/L	3.009		76.3	0-200			
Perfluorodecanesulfonic acid (PFDS)	2.29	1.57	ng/L	3.022		75.8	0-200			
Perfluorododecanesulfonic acid (PFDoS)	2.18	1.57	ng/L	3.034		71.7	0-200			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	8.92	6.27	ng/L	11.75		75.9	0-200			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	9.04	6.27	ng/L	11.92		75.8	0-200			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	9.62	6.27	ng/L	12.04		79.9	0-200			
Perfluorooctanesulfonamide (PFOSA)	2.32	1.57	ng/L	3.134		73.9	0-200			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	2.50	1.57	ng/L	3.134		79.8	0-200			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	2.17	1.57	ng/L	3.134		69.3	0-200			
N-MeFOSAA (NMeFOSAA)	2.09	1.57	ng/L	3.134		66.8	0-200			
N-EtFOSAA (NEtFOSAA)	2.15	1.57	ng/L	3.134		68.5	0-200			L-03
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	22.2	15.7	ng/L	31.34		70.9	0-200			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	21.6	15.7	ng/L	31.34		68.9	0-200			L-03
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.90	6.27	ng/L	12.54		79.0	0-200			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	9.09	6.27	ng/L	11.85		76.7	0-200			
9Cl-PF3ONS (F53B Minor)	9.33	6.27	ng/L	11.70		79.7	0-200			
11Cl-PF3OUdS (F53B Major)	8.62	6.27	ng/L	11.66		73.9	0-200			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	10.2	7.84	ng/L	15.67		65.3	0-200			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	52.2	39.2	ng/L	78.36		66.6	0-200			L-03
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	52.3	39.2	ng/L	78.36		66.8	0-200			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.00	3.13	ng/L	5.592		71.6	0-200			
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.45	3.13	ng/L	6.269		71.0	0-200			
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.46	3.13	ng/L	6.269		71.1	0-200			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.83	3.13	ng/L	6.269		77.0	0-200			
Surrogate: 13C4-PFBA	*153*		ng/L	156.7		97.8	5-130			
Surrogate: 13C5-PFPeA	*78.0*		ng/L	78.36		99.5	40-130			
Surrogate: 13C5-PFHxA	*42.4*		ng/L	39.18		108	40-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B414764 - EPA 1633										
MRL Check (B414764-MRL1)				Prepared: 10/21/25 Analyzed: 10/22/25						
Surrogate: 13C4-PFHpA	*40.1*		ng/L	39.18		102	40-130			
Surrogate: 13C8-PFOA	*35.9*		ng/L	39.18		91.5	40-130			
Surrogate: 13C9-PFNA	*18.4*		ng/L	19.59		93.7	40-130			
Surrogate: 13C6-PFDA	*19.5*		ng/L	19.59		99.7	40-130			
Surrogate: 13C7-PFUnA	*18.6*		ng/L	19.59		95.2	30-130			
Surrogate: 13C2-PFDoA	*19.0*		ng/L	19.59		96.8	10-130			
Surrogate: 13C2-PFTeDA	*17.3*		ng/L	19.59		88.3	10-130			
Surrogate: 13C3-PFBS	*43.8*		ng/L	39.18		112	40-135			
Surrogate: 13C3-PFHxS	*42.5*		ng/L	39.18		109	40-130			
Surrogate: 13C8-PFOS	*36.9*		ng/L	39.18		94.1	40-130			
Surrogate: 13C2-4:2FTS	*80.6*		ng/L	78.36		103	40-200			
Surrogate: 13C2-6:2FTS	*84.2*		ng/L	78.36		107	40-200			
Surrogate: 13C2-8:2FTS	*76.7*		ng/L	78.36		97.8	40-300			
Surrogate: 13C8-PFOSA	*34.4*		ng/L	39.18		87.7	40-130			
Surrogate: D3-NMeFOSA	*33.8*		ng/L	39.18		86.3	10-130			
Surrogate: D5-NEtFOSA	*33.2*		ng/L	39.18		84.8	10-130			
Surrogate: D3-NMeFOSAA	*80.7*		ng/L	78.36		103	40-170			
Surrogate: D5-NEtFOSAA	*74.6*		ng/L	78.36		95.2	25-135			
Surrogate: D7-NMeFOSE	*325*		ng/L	391.8		82.9	10-130			
Surrogate: D9-NEtFOSE	*322*		ng/L	391.8		82.2	10-130			
Surrogate: 13C3-HFPO-DA	*174*		ng/L	156.7		111	40-130			
Batch B416049 - EPA 1633										
Blank (B416049-BLK1)				Prepared & Analyzed: 10/25/25						
Perfluorobutanoic acid (PFBA)	ND	6.29	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	3.14	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.57	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.57	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.57	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.57	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.57	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.57	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.57	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.57	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	1.57	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.57	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.57	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.57	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.57	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.57	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	1.57	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	1.57	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	1.57	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	6.29	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	6.29	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	6.29	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	1.57	ng/L							
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	1.57	ng/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B416049 - EPA 1633										
Blank (B416049-BLK1)				Prepared & Analyzed: 10/25/25						
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.57	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	1.57	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.57	ng/L							
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	15.7	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	15.7	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	6.29	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	6.29	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	6.29	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	6.29	ng/L							
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	7.86	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	39.3	ng/L							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	39.3	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.14	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	3.14	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	3.14	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	3.14	ng/L							
Surrogate: 13C4-PFBA	*77.7*		ng/L	78.61		98.9	5-130			
Surrogate: 13C5-PFPeA	*44.1*		ng/L	39.31		112	40-130			
Surrogate: 13C5-PFHxA	*21.5*		ng/L	19.65		109	40-130			
Surrogate: 13C4-PFHpA	*20.0*		ng/L	19.65		102	40-130			
Surrogate: 13C8-PFOA	*20.2*		ng/L	19.65		103	40-130			
Surrogate: 13C9-PFNA	*9.80*		ng/L	9.827		99.7	40-130			
Surrogate: 13C6-PFDA	*10.0*		ng/L	9.827		102	40-130			
Surrogate: 13C7-PFUnA	*8.16*		ng/L	9.827		83.0	30-130			
Surrogate: 13C2-PFDoA	*8.39*		ng/L	9.827		85.4	10-130			
Surrogate: 13C2-PFTeDA	*7.95*		ng/L	9.827		80.9	10-130			
Surrogate: 13C3-PFBS	*23.5*		ng/L	19.65		120	40-135			
Surrogate: 13C3-PFHxS	*20.7*		ng/L	19.65		105	40-130			
Surrogate: 13C8-PFOS	*20.0*		ng/L	19.65		102	40-130			
Surrogate: 13C2-4:2FTS	*37.0*		ng/L	39.31		94.1	40-200			
Surrogate: 13C2-6:2FTS	*34.1*		ng/L	39.31		86.8	40-200			
Surrogate: 13C2-8:2FTS	*36.6*		ng/L	39.31		93.2	40-300			
Surrogate: 13C8-PFOSA	*18.7*		ng/L	19.65		95.1	40-130			
Surrogate: D3-NMeFOSA	*16.0*		ng/L	19.65		81.4	10-130			
Surrogate: D5-NEtFOSA	*16.2*		ng/L	19.65		82.5	10-130			
Surrogate: D3-NMeFOSAA	*40.3*		ng/L	39.31		103	40-170			
Surrogate: D5-NEtFOSAA	*38.6*		ng/L	39.31		98.2	25-135			
Surrogate: D7-NMeFOSE	*160*		ng/L	196.5		81.6	10-130			
Surrogate: D9-NEtFOSE	*157*		ng/L	196.5		79.9	10-130			
Surrogate: 13C3-HFPO-DA	*87.9*		ng/L	78.61		112	40-130			
LCS (B416049-BS1)				Prepared & Analyzed: 10/25/25						
Perfluorobutanoic acid (PFBA)	78.6	6.30	ng/L	78.81		99.8	70-140			
Perfluoropentanoic acid (PFPeA)	39.1	3.15	ng/L	39.40		99.1	65-135			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B416049 - EPA 1633										
LCS (B416049-BS1)				Prepared & Analyzed: 10/25/25						
Perfluorohexanoic acid (PFHxA)	20.2	1.58	ng/L	19.70		102	70-145			
Perfluoroheptanoic acid (PFHpA)	20.3	1.58	ng/L	19.70		103	70-150			
Perfluorooctanoic acid (PFOA)	18.1	1.58	ng/L	19.70		91.7	70-150			
Perfluorononanoic acid (PFNA)	19.6	1.58	ng/L	19.70		99.6	70-150			
Perfluorodecanoic acid (PFDA)	20.3	1.58	ng/L	19.70		103	70-140			
Perfluoroundecanoic acid (PFUnA)	17.7	1.58	ng/L	19.70		89.9	70-145			
Perfluorododecanoic acid (PFDoA)	20.0	1.58	ng/L	19.70		101	70-140			
Perfluorotridecanoic acid (PFTrDA)	18.4	1.58	ng/L	19.70		93.5	65-140			
Perfluorotetradecanoic acid (PFTeDA)	21.1	1.58	ng/L	19.70		107	60-140			
Perfluorobutanesulfonic acid (PFBS)	15.5	1.58	ng/L	17.50		88.8	60-145			
Perfluoropentanesulfonic acid (PFPeS)	19.1	1.58	ng/L	18.52		103	65-140			
Perfluorohexanesulfonic acid (PFHxS)	17.3	1.58	ng/L	17.97		96.2	65-145			
Perfluoroheptanesulfonic acid (PFHpS)	18.9	1.58	ng/L	18.76		101	70-150			
Perfluorooctanesulfonic acid (PFOS)	17.4	1.58	ng/L	18.28		95.1	55-150			
Perfluorononanesulfonic acid (PFNS)	18.5	1.58	ng/L	18.91		97.7	65-145			
Perfluorodecanesulfonic acid (PFDS)	16.3	1.58	ng/L	18.99		86.0	60-145			
Perfluorododecanesulfonic acid (PFDoS)	17.3	1.58	ng/L	19.07		90.5	50-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	82.6	6.30	ng/L	73.84		112	70-145			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	71.6	6.30	ng/L	74.95		95.5	65-155			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	73.5	6.30	ng/L	75.66		97.2	60-150			
Perfluorooctanesulfonamide (PFOSA)	19.5	1.58	ng/L	19.70		99.2	70-145			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	19.5	1.58	ng/L	19.70		98.9	60-150			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	20.1	1.58	ng/L	19.70		102	65-145			
N-MeFOSAA (NMeFOSAA)	16.9	1.58	ng/L	19.70		85.7	50-140			
N-EtFOSAA (NEtFOSAA)	20.0	1.58	ng/L	19.70		102	70-145			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	192	15.8	ng/L	197.0		97.6	70-145			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	185	15.8	ng/L	197.0		94.0	70-135			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	81.1	6.30	ng/L	78.81		103	70-140			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	78.6	6.30	ng/L	74.48		106	65-145			
9Cl-PF3ONS (F53B Minor)	80.2	6.30	ng/L	73.53		109	70-155			
11Cl-PF3OUdS (F53B Major)	71.7	6.30	ng/L	73.29		97.8	55-160			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	77.8	7.88	ng/L	98.51		79.0	65-130			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	473	39.4	ng/L	492.6		96.0	70-135			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	446	39.4	ng/L	492.6		90.5	50-145			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	38.6	3.15	ng/L	35.15		110	70-140			
Perfluoro-3-methoxypropanoic acid (PFMPA)	37.8	3.15	ng/L	39.40		96.0	55-140			
Perfluoro-4-methoxybutanoic acid (PFMBA)	39.5	3.15	ng/L	39.40		100	60-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	41.2	3.15	ng/L	39.40		105	50-150			
Surrogate: 13C4-PFBA	*76.1*		ng/L	78.81		96.5	5-130			
Surrogate: 13C5-PFPeA	*39.9*		ng/L	39.40		101	40-130			
Surrogate: 13C5-PFHxA	*19.1*		ng/L	19.70		96.9	40-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B416049 - EPA 1633										
LCS (B416049-BS1)				Prepared & Analyzed: 10/25/25						
Surrogate: 13C4-PFHpA	*19.1*		ng/L	19.70		97.0	40-130			
Surrogate: 13C8-PFOA	*19.2*		ng/L	19.70		97.3	40-130			
Surrogate: 13C9-PFNA	*9.25*		ng/L	9.851		93.9	40-130			
Surrogate: 13C6-PFDA	*9.31*		ng/L	9.851		94.5	40-130			
Surrogate: 13C7-PFUnA	*9.28*		ng/L	9.851		94.2	30-130			
Surrogate: 13C2-PFDoA	*8.31*		ng/L	9.851		84.3	10-130			
Surrogate: 13C2-PFTeDA	*7.58*		ng/L	9.851		76.9	10-130			
Surrogate: 13C3-PFBS	*22.5*		ng/L	19.70		114	40-135			
Surrogate: 13C3-PFHxS	*19.5*		ng/L	19.70		98.7	40-130			
Surrogate: 13C8-PFOS	*18.5*		ng/L	19.70		94.1	40-130			
Surrogate: 13C2-4:2FTS	*37.2*		ng/L	39.40		94.5	40-200			
Surrogate: 13C2-6:2FTS	*38.9*		ng/L	39.40		98.8	40-200			
Surrogate: 13C2-8:2FTS	*35.3*		ng/L	39.40		89.6	40-300			
Surrogate: 13C8-PFOSA	*16.3*		ng/L	19.70		82.7	40-130			
Surrogate: D3-NMeFOSA	*15.5*		ng/L	19.70		78.6	10-130			
Surrogate: D5-NEtFOSA	*15.8*		ng/L	19.70		80.0	10-130			
Surrogate: D3-NMeFOSAA	*40.6*		ng/L	39.40		103	40-170			
Surrogate: D5-NEtFOSAA	*37.2*		ng/L	39.40		94.4	25-135			
Surrogate: D7-NMeFOSE	*153*		ng/L	197.0		77.8	10-130			
Surrogate: D9-NEtFOSE	*156*		ng/L	197.0		78.9	10-130			
Surrogate: 13C3-HFPO-DA	*86.8*		ng/L	78.81		110	40-130			
MRL Check (B416049-MRL1)				Prepared & Analyzed: 10/25/25						
Perfluorobutanoic acid (PFBA)	10.8	6.30	ng/L	12.60		86.1	0-200			
Perfluoropentanoic acid (PFPeA)	5.28	3.15	ng/L	6.298		83.8	0-200			
Perfluorohexanoic acid (PFHxA)	2.68	1.57	ng/L	3.149		85.2	0-200			
Perfluoroheptanoic acid (PFHpA)	2.87	1.57	ng/L	3.149		91.1	0-200			
Perfluorooctanoic acid (PFOA)	3.04	1.57	ng/L	3.149		96.5	0-200			
Perfluorononanoic acid (PFNA)	2.60	1.57	ng/L	3.149		82.6	0-200			
Perfluorodecanoic acid (PFDA)	2.25	1.57	ng/L	3.149		71.3	0-200			
Perfluoroundecanoic acid (PFUnA)	2.85	1.57	ng/L	3.149		90.4	0-200			
Perfluorododecanoic acid (PFDoA)	2.59	1.57	ng/L	3.149		82.2	0-200			
Perfluorotridecanoic acid (PFTrDA)	2.41	1.57	ng/L	3.149		76.5	0-200			
Perfluorotetradecanoic acid (PFTeDA)	2.41	1.57	ng/L	3.149		76.5	0-200			
Perfluorobutanesulfonic acid (PFBS)	1.96	1.57	ng/L	2.796		70.1	0-200			
Perfluoropentanesulfonic acid (PFPeS)	2.43	1.57	ng/L	2.960		82.0	0-200			
Perfluorohexanesulfonic acid (PFHxS)	2.22	1.57	ng/L	2.872		77.5	0-200			
Perfluoroheptanesulfonic acid (PFHpS)	2.91	1.57	ng/L	2.998		97.2	0-200			
Perfluorooctanesulfonic acid (PFOS)	2.28	1.57	ng/L	2.922		78.0	0-200			
Perfluorononanesulfonic acid (PFNS)	2.64	1.57	ng/L	3.023		87.5	0-200			
Perfluorodecanesulfonic acid (PFDS)	2.58	1.57	ng/L	3.036		85.1	0-200			
Perfluorododecanesulfonic acid (PFDoS)	2.35	1.57	ng/L	3.048		77.0	0-200			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	10.7	6.30	ng/L	11.80		90.5	0-200			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	10.6	6.30	ng/L	11.98		88.4	0-200			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	10.1	6.30	ng/L	12.09		83.8	0-200			
Perfluorooctanesulfonamide (PFOSA)	2.71	1.57	ng/L	3.149		85.9	0-200			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	2.57	1.57	ng/L	3.149		81.5	0-200			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	2.72	1.57	ng/L	3.149		86.4	0-200			
N-MeFOSAA (NMeFOSAA)	2.91	1.57	ng/L	3.149		92.6	0-200			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B416049 - EPA 1633										
MRL Check (B416049-MRL1)				Prepared & Analyzed: 10/25/25						
N-EtFOSAA (NEtFOSAA)	2.22	1.57	ng/L	3.149		70.6	0-200			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	26.2	15.7	ng/L	31.49		83.1	0-200			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	25.3	15.7	ng/L	31.49		80.2	0-200			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	10.1	6.30	ng/L	12.60		80.1	0-200			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	11.3	6.30	ng/L	11.90		94.9	0-200			
9Cl-PF3ONS (F53B Minor)	11.4	6.30	ng/L	11.75		97.0	0-200			
11Cl-PF3OUdS (F53B Major)	10.3	6.30	ng/L	11.71		88.3	0-200			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	11.7	7.87	ng/L	15.75		74.6	0-200			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	65.5	39.4	ng/L	78.73		83.2	0-200			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	63.4	39.4	ng/L	78.73		80.5	0-200			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	5.50	3.15	ng/L	5.618		97.9	0-200			
Perfluoro-3-methoxypropanoic acid (PFMPA)	5.54	3.15	ng/L	6.298		88.0	0-200			
Perfluoro-4-methoxybutanoic acid (PFMBA)	5.24	3.15	ng/L	6.298		83.2	0-200			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.76	3.15	ng/L	6.298		91.4	0-200			
Surrogate: 13C4-PFBA	*80.6*		ng/L	78.73		102	5-130			
Surrogate: 13C5-PFPeA	*42.0*		ng/L	39.36		107	40-130			
Surrogate: 13C5-PFHxA	*19.8*		ng/L	19.68		101	40-130			
Surrogate: 13C4-PFHpA	*18.8*		ng/L	19.68		95.5	40-130			
Surrogate: 13C8-PFOA	*19.4*		ng/L	19.68		98.4	40-130			
Surrogate: 13C9-PFNA	*8.90*		ng/L	9.841		90.4	40-130			
Surrogate: 13C6-PFDA	*10.2*		ng/L	9.841		103	40-130			
Surrogate: 13C7-PFUnA	*9.23*		ng/L	9.841		93.8	30-130			
Surrogate: 13C2-PFDoA	*9.12*		ng/L	9.841		92.7	10-130			
Surrogate: 13C2-PFTeDA	*9.19*		ng/L	9.841		93.4	10-130			
Surrogate: 13C3-PFBS	*25.1*		ng/L	19.68		128	40-135			
Surrogate: 13C3-PFHxS	*22.6*		ng/L	19.68		115	40-130			
Surrogate: 13C8-PFOS	*18.8*		ng/L	19.68		95.3	40-130			
Surrogate: 13C2-4:2FTS	*44.6*		ng/L	39.36		113	40-200			
Surrogate: 13C2-6:2FTS	*41.2*		ng/L	39.36		105	40-200			
Surrogate: 13C2-8:2FTS	*37.3*		ng/L	39.36		94.8	40-300			
Surrogate: 13C8-PFOSA	*18.1*		ng/L	19.68		91.8	40-130			
Surrogate: D3-NMeFOSA	*17.6*		ng/L	19.68		89.5	10-130			
Surrogate: D5-NEtFOSA	*15.9*		ng/L	19.68		80.8	10-130			
Surrogate: D3-NMeFOSAA	*41.7*		ng/L	39.36		106	40-170			
Surrogate: D5-NEtFOSAA	*42.1*		ng/L	39.36		107	25-135			
Surrogate: D7-NMeFOSE	*159*		ng/L	196.8		80.6	10-130			
Surrogate: D9-NEtFOSE	*163*		ng/L	196.8		83.0	10-130			
Surrogate: 13C3-HFPO-DA	*89.8*		ng/L	78.73		114	40-130			

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QUALITY CONTROL

Dissolved Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2123283 - EPA 7470A										
Blank (WG2123283-1)				Prepared: 10/03/25 Analyzed: 10/05/25						
Mercury, Dissolved	ND	0.00020	mg/l				-			
LCS (WG2123283-2)				Prepared: 10/03/25 Analyzed: 10/05/25						
Mercury, Dissolved	0.00090	.0002	mg/l	.001		90	80-120			
Batch WG2123287 - EPA 3005A										
Blank (WG2123287-1)				Prepared: 10/03/25 Analyzed: 10/07/25						
Aluminum, Dissolved	ND	0.0100	mg/l				-			
Antimony, Dissolved	ND	0.00400	mg/l				-			
Arsenic, Dissolved	ND	0.00050	mg/l				-			
Barium, Dissolved	ND	0.00050	mg/l				-			
Beryllium, Dissolved	ND	0.00050	mg/l				-			
Cadmium, Dissolved	ND	0.00020	mg/l				-			
Calcium, Dissolved	ND	0.100	mg/l				-			
Chromium, Dissolved	ND	0.00100	mg/l				-			
Cobalt, Dissolved	ND	0.00050	mg/l				-			
Copper, Dissolved	ND	0.00100	mg/l				-			
Iron, Dissolved	ND	0.0500	mg/l				-			
Lead, Dissolved	ND	0.00100	mg/l				-			
Magnesium, Dissolved	ND	0.0700	mg/l				-			
Manganese, Dissolved	ND	0.00100	mg/l				-			
Nickel, Dissolved	ND	0.00200	mg/l				-			
Potassium, Dissolved	ND	0.100	mg/l				-			
Selenium, Dissolved	ND	0.00500	mg/l				-			
Silver, Dissolved	ND	0.00040	mg/l				-			
Sodium, Dissolved	ND	0.500	mg/l				-			
Thallium, Dissolved	ND	0.00100	mg/l				-			
Vanadium, Dissolved	ND	0.00500	mg/l				-			
Zinc, Dissolved	ND	0.01000	mg/l				-			
LCS (WG2123287-2)				Prepared: 10/03/25 Analyzed: 10/07/25						
Aluminum, Dissolved	2.02	.1	mg/l	2		101	80-120			
Antimony, Dissolved	0.4633	.04	mg/l	.5		93	80-120			
Arsenic, Dissolved	0.1109	.005	mg/l	.12		92	80-120			
Barium, Dissolved	2.020	.005	mg/l	2		101	80-120			
Beryllium, Dissolved	0.05080	.005	mg/l	.05		102	80-120			
Cadmium, Dissolved	0.05549	.002	mg/l	.053		105	80-120			
Calcium, Dissolved	10.2	1	mg/l	10		102	80-120			
Chromium, Dissolved	0.2090	.01	mg/l	.2		104	80-120			
Cobalt, Dissolved	0.5072	.005	mg/l	.5		101	80-120			
Copper, Dissolved	0.2575	.01	mg/l	.25		103	80-120			
Iron, Dissolved	1.04	.5	mg/l	1		104	80-120			
Lead, Dissolved	0.5400	.01	mg/l	.53		102	80-120			
Magnesium, Dissolved	10.2	.7	mg/l	10		102	80-120			
Manganese, Dissolved	0.5221	.01	mg/l	.5		104	80-120			
Nickel, Dissolved	0.5138	.02	mg/l	.5		103	80-120			
Potassium, Dissolved	10.5	1	mg/l	10		105	80-120			
Selenium, Dissolved	0.123	.05	mg/l	.12		102	80-120			
Silver, Dissolved	0.05165	.004	mg/l	.05		103	80-120			
Sodium, Dissolved	10.0	5	mg/l	10		100	80-120			
Thallium, Dissolved	0.1349	.01	mg/l	.12		112	80-120			
Vanadium, Dissolved	0.5145	.05	mg/l	.5		103	80-120			

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QUALITY CONTROL

Dissolved Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2123287 - EPA 3005A										
LCS (WG2123287-2)				Prepared: 10/03/25 Analyzed: 10/07/25						
Zinc, Dissolved	0.5152	.1	mg/l	.5		103	80-120			

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QUALITY CONTROL

Total Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2123707 - EPA 3005A										
Blank (WG2123707-1)				Prepared: 10/05/25 Analyzed: 10/07/25						
Aluminum, Total	ND	0.0100	mg/l				-			
Antimony, Total	ND	0.00400	mg/l				-			
Arsenic, Total	ND	0.00050	mg/l				-			
Barium, Total	ND	0.00050	mg/l				-			
Beryllium, Total	ND	0.00050	mg/l				-			
Cadmium, Total	ND	0.00020	mg/l				-			
Calcium, Total	ND	0.100	mg/l				-			
Chromium, Total	ND	0.00100	mg/l				-			
Cobalt, Total	ND	0.00050	mg/l				-			
Copper, Total	ND	0.00100	mg/l				-			
Iron, Total	ND	0.0500	mg/l				-			
Lead, Total	ND	0.00100	mg/l				-			
Magnesium, Total	ND	0.0700	mg/l				-			
Manganese, Total	ND	0.00100	mg/l				-			
Nickel, Total	ND	0.00200	mg/l				-			
Potassium, Total	ND	0.100	mg/l				-			
Selenium, Total	ND	0.00500	mg/l				-			
Silver, Total	ND	0.00040	mg/l				-			
Sodium, Total	ND	0.500	mg/l				-			
Thallium, Total	ND	0.00100	mg/l				-			
Vanadium, Total	ND	0.00500	mg/l				-			
Zinc, Total	ND	0.01000	mg/l				-			
LCS (WG2123707-2)				Prepared: 10/05/25 Analyzed: 10/07/25						
Aluminum, Total	2.05	.1	mg/l	2		102	80-120			
Antimony, Total	0.4159	.04	mg/l	.5		83	80-120			
Arsenic, Total	0.1141	.005	mg/l	.12		95	80-120			
Barium, Total	2.043	.005	mg/l	2		102	80-120			
Beryllium, Total	0.05158	.005	mg/l	.05		103	80-120			
Cadmium, Total	0.05429	.002	mg/l	.053		102	80-120			
Calcium, Total	11.7	1	mg/l	10		117	80-120			
Chromium, Total	0.2059	.01	mg/l	.2		103	80-120			
Cobalt, Total	0.5077	.005	mg/l	.5		102	80-120			
Copper, Total	0.2555	.01	mg/l	.25		102	80-120			
Iron, Total	1.06	.5	mg/l	1		106	80-120			
Lead, Total	0.5497	.01	mg/l	.53		104	80-120			
Magnesium, Total	10.3	.7	mg/l	10		103	80-120			
Manganese, Total	0.5153	.01	mg/l	.5		103	80-120			
Nickel, Total	0.5176	.02	mg/l	.5		104	80-120			
Potassium, Total	10.5	1	mg/l	10		105	80-120			
Selenium, Total	0.119	.05	mg/l	.12		99	80-120			
Silver, Total	0.05162	.004	mg/l	.05		103	80-120			
Sodium, Total	10.4	5	mg/l	10		104	80-120			
Thallium, Total	0.1323	.01	mg/l	.12		110	80-120			
Vanadium, Total	0.5153	.05	mg/l	.5		103	80-120			
Zinc, Total	0.5065	.1	mg/l	.5		101	80-120			

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QUALITY CONTROL

Total Metals - Mansfield Lab - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch WG2123709 - EPA 7470A										
Blank (WG2123709-1)				Prepared: 10/05/25 Analyzed: 10/06/25						
Mercury, Total	ND	0.00020	mg/l				-			
LCS (WG2123709-2)				Prepared: 10/05/25 Analyzed: 10/06/25						
Mercury, Total	0.00096	.0002	mg/l	.001		97	80-120			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 1633A in Water	
Perfluorobutanoic acid (PFBA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoropentanoic acid (PFPeA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorohexanoic acid (PFHxA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoroheptanoic acid (PFHpA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorooctanoic acid (PFOA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorononanoic acid (PFNA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorodecanoic acid (PFDA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoroundecanoic acid (PFUnA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorododecanoic acid (PFDoA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorotridecanoic acid (PFTrDA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorotetradecanoic acid (PFTeDA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorobutanesulfonic acid (PFBS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoropentanesulfonic acid (PFPeS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorohexanesulfonic acid (PFHxS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoroheptanesulfonic acid (PFHpS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorooctanesulfonic acid (PFOS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorononanesulfonic acid (PFNS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorodecanesulfonic acid (PFDS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorododecanesulfonic acid (PFDoS)	NY,NH,VA,PA,WV,LA,ME,CT
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	NY,NH,VA,PA,WV,LA,ME,CT
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	NY,NH,VA,PA,WV,LA,ME,CT
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluorooctanesulfonamide (PFOSA)	NY,NH,VA,PA,WV,LA,ME,CT
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	NY,NH,VA,PA,WV,LA,ME,CT
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NY,NH,VA,PA,WV,LA,ME,CT
N-MeFOSAA (NMeFOSAA)	NY,NH,VA,PA,WV,LA,ME,CT
N-EtFOSAA (NEtFOSAA)	NY,NH,VA,PA,WV,LA,ME,CT
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	NY,NH,VA,PA,WV,LA,ME,CT
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	NY,NH,VA,PA,WV,LA,ME,CT
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NY,NH,VA,PA,WV,LA,ME,CT
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NY,NH,VA,PA,WV,LA,ME,CT
9Cl-PF3ONS (F53B Minor)	NY,NH,VA,PA,WV,LA,ME,CT
11Cl-PF3OUdS (F53B Major)	NY,NH,VA,PA,WV,LA,ME,CT
3-Perfluoropropyl propanoic acid (FPrPA)(3:3FTCA)	NY,NH,VA,PA,WV,LA,ME,CT
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	NY,NH,VA,PA,WV,LA,ME,CT
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3FTCA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoro-3-methoxypropanoic acid (PFMPA)	NY,NH,VA,PA,WV,LA,ME,CT
Perfluoro-4-methoxybutanoic acid (PFMBA)	NY,NH,VA,PA,WV,LA,ME,CT
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NY,NH,VA,PA,WV,LA,ME,CT

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026
WV	West Virginia DEP Division of Water and Waste Management	419	08/31/2026
LA	State of Louisiana Dept. of Env. Quality Office of Env. Services	05130	06/30/2026

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab

ALPHA Job # 25J0089

Client Information

Client: Sankavi Sampath
Address: 625 Broadway
Albany, NY 12233
Phone: 518-402-9806
Fax:
Email: sankavi.sampath@dec.ny.gov

Project Information

Project Name: Techem Inc.
Project Location: 1840 Falmouth Avenue, New Hyde Park, NY 11040
Project # 130097
(Use Project name as Project #) ☐
Project Manager: Sankavi Sampath
ALPHAQuote #: 535551

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☑ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☑ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

1633
6020 Total
6020 - D.Sol

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☑ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	1633	6020 Total	6020 - D.Sol	Sample Specific Comments
1	20250930-0097-3	09/30/25	15:20	GW	SS	X			
2	20250930-0097-3	09/30/25	15:20	GW	SS		X		
3	DUP-PFAS	09/30/25	15:20	GW	SS	X			
4	20250930-0097-3	09/30/25	15:20	GW	SS			X	
5	Field Blank-PFAS	10/01/25	11:40	GW	SS	X			
6	Field FB-Total-Metals	10/01/25	11:40	GW	SS		X		
7	FB-D.S-Metals	10/01/25	11:40	GW	SS			X	

Container Type: P P P
Preservative: A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
I = Zn Ac/NaOH
K = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Sankavi Sampath (Sankavi Sampath)	10/01/25 13:52	PMD P.E	10/1/25 13:59
PMD P.E	10/1/25 18:00	MD A Pace	10/1/25 18:07
MD A Pace	10/1/25 20:26		10/1 22:10
	10/2 3:42		10/2/25 3:42

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

3.2 (W)

Form No: 01-25 HC (rev. 30-Sept-2013)

Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Client Sunlight Sampling

Project FCHeming

MCP/RCP Required MA

Deliverable Package Requirement MA

Location 1840 Fulmouth Avenue, New Hyde Park, NY

PWSID# (When Applicable) MA

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time LA 10/21/25 345

Back-Sheet By / Date / Time LA 10/21/25 801

Temperature Method gun # 6

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

Temp ✓ < 6° C Actual Temperature 5.3

Rush Samples: Yes (No) Notify

Short Hold: Yes (No) Notify

Notes regarding Samples/COC outside of SOP:

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

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

COC Included: (Check all included)

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

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

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

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Sample			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
16oz Amb/Clear	Soils Jars (Circle Amb/Clear)																					
8oz Amb/Clear																						
4oz Amb/Clear																						
2oz Amb/Clear																						
Unpreserved	Ambers	1 Liter																				
HCL																						
Sulfuric																						
Sulfuric		250mL																				
Phosphoric																						
HCl																						
Unpreserved		100mL																				
Unpreserved	Plastics	1 Liter																				
Sulfuric																						
Unpreserved		500mL		2	2		2															
Sulfuric																						
Unpreserved		250mL				1			1													
Trizma																						
Sulfuric																						
Nitric				1				1														
NaOH																						
Ammonium Acetate																						
NaOH/Zinc																						
Unpreserved	VOA Vials																					
HCl																						
MeOH																						
D.I. Water																						
BiSulfate																						
Col/Bact	Other / Fill in																					

ANALYTICAL REPORT

Lab Number:	L2562278
Client:	Pace New England 39 Spruce St. East Longmeadow, MA 01028
ATTN:	Raymond McCarthy
Phone:	(413) 525-2332
Project Name:	25J0089
Project Number:	25J0089
Report Date:	10/15/25

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

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

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2562278-01	20250930-0097-3	WATER	Not Specified	09/30/25 15:20	10/02/25
L2562278-02	20250930-0097-3	WATER	Not Specified	09/30/25 15:20	10/02/25
L2562278-03	FB-TOTAL-METALS	WATER	Not Specified	10/01/25 11:40	10/02/25
L2562278-04	FB-DIS-METALS	WATER	Not Specified	10/01/25 11:40	10/02/25

Project Name:	25J0089	**Lab Number:**	L2562278
Project Number:	25J0089	**Report Date:**	10/15/25

Case Narrative

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

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

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

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

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

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

Project Name: 25J0089 **Lab Number:** L2562278
Project Number: 25J0089 **Report Date:** 10/15/25

Case Narrative (continued)

Sample Receipt

L2562278-02 and -04: The samples were lab filtered for Dissolved Metals.

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 10/15/25

METALS

Project Name: 25J0089 **Lab Number:** L2562278

Project Number: 25J0089 **Report Date:** 10/15/25

SAMPLE RESULTS

Lab ID: L2562278-01 Date Collected: 09/30/25 15:20

Client ID: 20250930-0097-3 Date Received: 10/02/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Antimony, Total	ND		mg/l	0.00400	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Arsenic, Total	ND		mg/l	0.00050	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Barium, Total	0.06622		mg/l	0.00050	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Beryllium, Total	ND		mg/l	0.00050	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Cadmium, Total	0.02662		mg/l	0.00020	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Calcium, Total	24.7		mg/l	0.100	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Chromium, Total	0.2192		mg/l	0.00100	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Cobalt, Total	0.00438		mg/l	0.00050	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Copper, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Iron, Total	ND		mg/l	0.0500	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Lead, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Magnesium, Total	2.20		mg/l	0.0700	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Manganese, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Mercury, Total	ND		mg/l	0.00020	–	1	10/05/25 20:47	10/09/25 10:56	EPA 7470A	1,7470A	RDB
Nickel, Total	0.02466		mg/l	0.00200	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Potassium, Total	4.54		mg/l	0.100	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Selenium, Total	0.0382		mg/l	0.00500	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Silver, Total	ND		mg/l	0.00040	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Sodium, Total	60.4		mg/l	0.500	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Thallium, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Vanadium, Total	ND		mg/l	0.00500	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR
Zinc, Total	ND		mg/l	0.01000	–	1	10/05/25 18:16	10/14/25 14:05	EPA 3005A	1,6020B	BLR

Project Name: 25J0089 **Lab Number:** L2562278

Project Number: 25J0089 **Report Date:** 10/15/25

SAMPLE RESULTS

Lab ID: L2562278-02 Date Collected: 09/30/25 15:20

Client ID: 20250930-0097-3 Date Received: 10/02/25

Sample Location: Not Specified Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Antimony, Dissolved	ND		mg/l	0.00400	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Arsenic, Dissolved	ND		mg/l	0.00050	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Barium, Dissolved	0.06686		mg/l	0.00050	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Beryllium, Dissolved	ND		mg/l	0.00050	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Cadmium, Dissolved	0.02754		mg/l	0.00020	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Calcium, Dissolved	21.0		mg/l	0.100	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Chromium, Dissolved	0.1987		mg/l	0.01000	–	10	10/03/25 22:26	10/14/25 16:25	EPA 3005A	1,6020B	CEY
Cobalt, Dissolved	0.00422		mg/l	0.00050	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Copper, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Iron, Dissolved	ND		mg/l	0.0500	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Lead, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Magnesium, Dissolved	2.18		mg/l	0.0700	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Manganese, Dissolved	0.00109		mg/l	0.00100	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Mercury, Dissolved	ND		mg/l	0.00020	–	1	10/03/25 23:03	10/05/25 12:07	EPA 7470A	1,7470A	CME
Nickel, Dissolved	0.02280		mg/l	0.00200	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Potassium, Dissolved	3.74		mg/l	0.100	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Selenium, Dissolved	0.0378		mg/l	0.00500	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Silver, Dissolved	ND		mg/l	0.00040	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Sodium, Dissolved	53.7		mg/l	0.500	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Thallium, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Vanadium, Dissolved	ND		mg/l	0.00500	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY
Zinc, Dissolved	ND		mg/l	0.01000	–	1	10/03/25 22:26	10/14/25 15:31	EPA 3005A	1,6020B	CEY

Project Name: 25J0089 **Lab Number:** L2562278

Project Number: 25J0089 **Report Date:** 10/15/25

SAMPLE RESULTS

Lab ID: L2562278-03 Date Collected: 10/01/25 11:40

Client ID: FB-TOTAL-METALS Date Received: 10/02/25

Sample Location: Not Specified Field Prep: None

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Antimony, Total	ND		mg/l	0.00400	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Arsenic, Total	ND		mg/l	0.00050	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Barium, Total	ND		mg/l	0.00050	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Beryllium, Total	ND		mg/l	0.00050	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Cadmium, Total	ND		mg/l	0.00020	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Calcium, Total	ND		mg/l	0.100	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Chromium, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Cobalt, Total	ND		mg/l	0.00050	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Copper, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Iron, Total	ND		mg/l	0.0500	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Lead, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Magnesium, Total	ND		mg/l	0.0700	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Manganese, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Mercury, Total	ND		mg/l	0.00020	–	1	10/05/25 20:47	10/09/25 10:59	EPA 7470A	1,7470A	RDB
Nickel, Total	ND		mg/l	0.00200	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Potassium, Total	ND		mg/l	0.100	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Selenium, Total	ND		mg/l	0.00500	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Silver, Total	ND		mg/l	0.00040	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Sodium, Total	ND		mg/l	0.500	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Thallium, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Vanadium, Total	ND		mg/l	0.00500	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR
Zinc, Total	ND		mg/l	0.01000	–	1	10/05/25 18:16	10/14/25 14:11	EPA 3005A	1,6020B	BLR

Project Name: 25J0089 **Lab Number:** L2562278

Project Number: 25J0089 **Report Date:** 10/15/25

SAMPLE RESULTS

Lab ID: L2562278-04 Date Collected: 10/01/25 11:40

Client ID: FB-DIS-METALS Date Received: 10/02/25

Sample Location: Not Specified Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Antimony, Dissolved	ND		mg/l	0.00400	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Arsenic, Dissolved	ND		mg/l	0.00050	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Barium, Dissolved	ND		mg/l	0.00050	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Beryllium, Dissolved	ND		mg/l	0.00050	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Cadmium, Dissolved	ND		mg/l	0.00020	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Calcium, Dissolved	ND		mg/l	0.100	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Chromium, Dissolved	0.00115		mg/l	0.00100	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Cobalt, Dissolved	ND		mg/l	0.00050	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Copper, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Iron, Dissolved	ND		mg/l	0.0500	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Lead, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Magnesium, Dissolved	ND		mg/l	0.0700	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Manganese, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Mercury, Dissolved	ND		mg/l	0.00020	–	1	10/03/25 23:03	10/05/25 12:10	EPA 7470A	1,7470A	CME
Nickel, Dissolved	ND		mg/l	0.00200	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Potassium, Dissolved	ND		mg/l	0.100	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Selenium, Dissolved	ND		mg/l	0.00500	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Silver, Dissolved	ND		mg/l	0.00040	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Sodium, Dissolved	ND		mg/l	0.500	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Thallium, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Vanadium, Dissolved	ND		mg/l	0.00500	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY
Zinc, Dissolved	ND		mg/l	0.01000	–	1	10/03/25 22:26	10/14/25 15:26	EPA 3005A	1,6020B	CEY

Project Name: 25J0089 **Lab Number:** L2562278

Project Number: 25J0089 **Report Date:** 10/15/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02,04 Batch: WG2123283-1										
Mercury, Dissolved	ND		mg/l	0.00020	–	1	10/03/25 23:03	10/05/25 11:43	1,7470A	CME

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02,04 Batch: WG2123287-1										
Aluminum, Dissolved	ND		mg/l	0.0100	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Antimony, Dissolved	ND		mg/l	0.00400	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Arsenic, Dissolved	ND		mg/l	0.00050	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Barium, Dissolved	ND		mg/l	0.00050	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Beryllium, Dissolved	ND		mg/l	0.00050	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Cadmium, Dissolved	ND		mg/l	0.00020	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Calcium, Dissolved	ND		mg/l	0.100	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Chromium, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Cobalt, Dissolved	ND		mg/l	0.00050	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Copper, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Iron, Dissolved	ND		mg/l	0.0500	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Lead, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Magnesium, Dissolved	ND		mg/l	0.0700	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Manganese, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Nickel, Dissolved	ND		mg/l	0.00200	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Potassium, Dissolved	ND		mg/l	0.100	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Selenium, Dissolved	ND		mg/l	0.00500	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Silver, Dissolved	ND		mg/l	0.00040	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Sodium, Dissolved	ND		mg/l	0.500	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Thallium, Dissolved	ND		mg/l	0.00100	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Vanadium, Dissolved	ND		mg/l	0.00500	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR
Zinc, Dissolved	ND		mg/l	0.01000	–	1	10/03/25 22:26	10/07/25 08:47	1,6020B	BLR

Project Name: 25J0089 **Lab Number:** L2562278

Project Number: 25J0089 **Report Date:** 10/15/25

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03 Batch: WG2123707-1										
Aluminum, Total	ND		mg/l	0.0100	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Antimony, Total	ND		mg/l	0.00400	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Arsenic, Total	ND		mg/l	0.00050	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Barium, Total	ND		mg/l	0.00050	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Beryllium, Total	ND		mg/l	0.00050	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Cadmium, Total	ND		mg/l	0.00020	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Calcium, Total	ND		mg/l	0.100	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Chromium, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Cobalt, Total	ND		mg/l	0.00050	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Copper, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Iron, Total	ND		mg/l	0.0500	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Lead, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Magnesium, Total	ND		mg/l	0.0700	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Manganese, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Nickel, Total	ND		mg/l	0.00200	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Potassium, Total	ND		mg/l	0.100	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Selenium, Total	ND		mg/l	0.00500	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Silver, Total	ND		mg/l	0.00040	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Sodium, Total	ND		mg/l	0.500	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Thallium, Total	ND		mg/l	0.00100	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Vanadium, Total	ND		mg/l	0.00500	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR
Zinc, Total	ND		mg/l	0.01000	–	1	10/05/25 18:16	10/07/25 12:45	1,6020B	BLR

Prep Information

Digestion Method: EPA 3005A

Project Name: 25J0089 **Lab Number:** L2562278

Project Number: 25J0089 **Report Date:** 10/15/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03 Batch: WG2123709-1										
Mercury, Total	ND		mg/l	0.00020	–	1	10/05/25 20:47	10/06/25 10:19	1,7470A	JWN

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04 Batch: WG2123283-2								
Mercury, Dissolved	90		-		80-120	-		

Table of Contents

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04 Batch: WG2123287-2					
Aluminum, Dissolved	101	-	80-120	-	
Antimony, Dissolved	93	-	80-120	-	
Arsenic, Dissolved	92	-	80-120	-	
Barium, Dissolved	101	-	80-120	-	
Beryllium, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	105	-	80-120	-	
Calcium, Dissolved	102	-	80-120	-	
Chromium, Dissolved	104	-	80-120	-	
Cobalt, Dissolved	101	-	80-120	-	
Copper, Dissolved	103	-	80-120	-	
Iron, Dissolved	104	-	80-120	-	
Lead, Dissolved	102	-	80-120	-	
Magnesium, Dissolved	102	-	80-120	-	
Manganese, Dissolved	104	-	80-120	-	
Nickel, Dissolved	103	-	80-120	-	
Potassium, Dissolved	105	-	80-120	-	
Selenium, Dissolved	102	-	80-120	-	
Silver, Dissolved	103	-	80-120	-	
Sodium, Dissolved	100	-	80-120	-	
Thallium, Dissolved	112	-	80-120	-	
Vanadium, Dissolved	103	-	80-120	-	

Table of Contents

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04 Batch: WG2123287-2					
Zinc, Dissolved	103	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG2123707-2					
Aluminum, Total	102	-	80-120	-	
Antimony, Total	83	-	80-120	-	
Arsenic, Total	95	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	103	-	80-120	-	
Cadmium, Total	102	-	80-120	-	
Calcium, Total	117	-	80-120	-	
Chromium, Total	103	-	80-120	-	
Cobalt, Total	102	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	104	-	80-120	-	
Magnesium, Total	103	-	80-120	-	
Manganese, Total	103	-	80-120	-	
Nickel, Total	104	-	80-120	-	
Potassium, Total	105	-	80-120	-	
Selenium, Total	99	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	104	-	80-120	-	
Thallium, Total	110	-	80-120	-	
Vanadium, Total	103	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG2123707-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG2123709-2					
Mercury, Total	97	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG2123283-3 QC Sample: L2558607-25 Client ID: MS Sample												
Mercury, Dissolved	ND	0.005	0.00516	103		-	-		75-125	-		

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Matrix Spike Analysis
Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG2123287-3 QC Sample: L2562363-01 Client ID: MS Sample												
Aluminum, Dissolved	0.0175	2	1.94	96		-	-		75-125	-		
Antimony, Dissolved	ND	0.5	0.3765	75		-	-		75-125	-		
Arsenic, Dissolved	0.00116	0.12	0.1065	88		-	-		75-125	-		
Barium, Dissolved	0.1106	2	2.048	97		-	-		75-125	-		
Beryllium, Dissolved	ND	0.05	0.04892	98		-	-		75-125	-		
Cadmium, Dissolved	ND	0.053	0.05080	96		-	-		75-125	-		
Calcium, Dissolved	163	10	170	**70**	Q	-	-		75-125	-		
Chromium, Dissolved	ND	0.2	0.1978	99		-	-		75-125	-		
Cobalt, Dissolved	0.00086	0.5	0.4733	94		-	-		75-125	-		
Copper, Dissolved	0.00145	0.25	0.2408	96		-	-		75-125	-		
Iron, Dissolved	0.348	1	1.32	97		-	-		75-125	-		
Lead, Dissolved	0.00180	0.53	0.5190	98		-	-		75-125	-		
Magnesium, Dissolved	29.2	10	37.9	87		-	-		75-125	-		
Manganese, Dissolved	0.3740	0.5	0.8393	93		-	-		75-125	-		
Nickel, Dissolved	ND	0.5	0.4836	97		-	-		75-125	-		
Potassium, Dissolved	2.28	10	12.4	101		-	-		75-125	-		
Selenium, Dissolved	0.00525	0.12	0.112	89		-	-		75-125	-		
Silver, Dissolved	ND	0.05	0.04798	96		-	-		75-125	-		
Sodium, Dissolved	69.7	10	76.8	**71**	Q	-	-		75-125	-		

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Matrix Spike Analysis
Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG2123287-3 QC Sample: L2562363-01 Client ID: MS Sample												
Thallium, Dissolved	ND	0.12	0.1298	108		-	-		75-125	-		
Vanadium, Dissolved	ND	0.5	0.4966	99		-	-		75-125	-		
Zinc, Dissolved	ND	0.5	0.4765	95		-	-		75-125	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG2123707-3 QC Sample: L2562507-01 Client ID: MS Sample												
Aluminum, Total	0.092	2	1.99	95		-	-		75-125	-		
Antimony, Total	ND	0.5	0.4127	82		-	-		75-125	-		
Arsenic, Total	ND	0.12	0.1122	94		-	-		75-125	-		
Barium, Total	0.03926	2	1.923	94		-	-		75-125	-		
Beryllium, Total	ND	0.05	0.04943	99		-	-		75-125	-		
Cadmium, Total	0.00022	0.053	0.05000	94		-	-		75-125	-		
Calcium, Total	16.0	10	24.7	87		-	-		75-125	-		
Chromium, Total	ND	0.2	0.1873	94		-	-		75-125	-		
Cobalt, Total	0.0024	0.5	0.4583	91		-	-		75-125	-		
Copper, Total	ND	0.25	0.2456	98		-	-		75-125	-		
Iron, Total	0.175	1	1.16	98		-	-		75-125	-		
Lead, Total	ND	0.53	0.5163	97		-	-		75-125	-		
Magnesium, Total	5.82	10	15.1	93		-	-		75-125	-		
Manganese, Total	2.027	0.5	2.368	**68**	Q	-	-		75-125	-		
Nickel, Total	ND	0.5	0.4680	94		-	-		75-125	-		
Potassium, Total	1.30	10	10.9	96		-	-		75-125	-		
Selenium, Total	ND	0.12	0.104	87		-	-		75-125	-		
Silver, Total	ND	0.05	0.04504	90		-	-		75-125	-		
Sodium, Total	20.6	10	29.2	86		-	-		75-125	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG2123707-3 QC Sample: L2562507-01 Client ID: MS Sample												
Thallium, Total	ND	0.12	0.1210	101		-	-		75-125	-		
Vanadium, Total	ND	0.5	0.4794	96		-	-		75-125	-		
Zinc, Total	ND	0.5	0.4609	92		-	-		75-125	-		
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG2123709-3 QC Sample: L2562416-02 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00506	101		-	-		75-125	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG2123283-4 QC Sample: L2558607-25 Client ID: DUP Sample						
Mercury, Dissolved	ND	ND	mg/l	NC		20

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Lab Duplicate Analysis

Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG2123287-4 QC Sample: L2562363-01 Client ID: DUP Sample						
Aluminum, Dissolved	0.0175	0.0180	mg/l	3		20
Antimony, Dissolved	ND	ND	mg/l	NC		20
Barium, Dissolved	0.1106	0.1059	mg/l	4		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	163	158	mg/l	3		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Cobalt, Dissolved	0.00086	0.00082	mg/l	4		20
Copper, Dissolved	0.00145	0.00138	mg/l	5		20
Iron, Dissolved	0.348	0.341	mg/l	2		20
Lead, Dissolved	0.00180	0.00178	mg/l	2		20
Magnesium, Dissolved	29.2	28.3	mg/l	3		20
Manganese, Dissolved	0.3740	0.3619	mg/l	3		20
Nickel, Dissolved	ND	ND	mg/l	NC		20
Potassium, Dissolved	2.28	2.24	mg/l	2		20
Selenium, Dissolved	0.00525	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG2123287-4 QC Sample: L2562363-01 Client ID: DUP Sample						
Sodium, Dissolved	69.7	69.2	mg/l	1		20
Thallium, Dissolved	ND	ND	mg/l	NC		20
Vanadium, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	ND	ND	mg/l	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG2123287-4 QC Sample: L2562363-01 Client ID: DUP Sample						
Arsenic, Dissolved	0.00116	0.00107	mg/l	9		20
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG2123707-4 QC Sample: L2562507-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	0.03926	0.04120	mg/l	5		20
Cadmium, Total	0.00022	0.00021	mg/l	7		20
Chromium, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG2123709-4 QC Sample: L2562416-02 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

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Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
Report Date: 10/15/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2562278-01A	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2562278-02A	Plastic 120ml HNO3 preserved	NA	<2	<2		Y	Absent		SE-6020S(180),CU-6020S(180),V-6020S(180),K-6020S(180),MN-6020S(180),ZN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),NA-6020S(180),TL-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2562278-03A	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),HG-T(28),AG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

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Project Name: 25J0089
Project Number: 25J0089

Lab Number: L2562278
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2562278-04A	Plastic 120ml HNO3 preserved	NA	<2	<2		Y	Absent		CU-6020S(180),V-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),CO-6020S(180),BE-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),BA-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)

*Values in parentheses indicate holding time in days

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Project Name:	25J0089	**Lab Number:**	L2562278
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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	25J0089	**Lab Number:**	L2562278
Project Number:	25J0089	**Report Date:**	10/15/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	25J0089	**Lab Number:**	L2562278
Project Number:	25J0089	**Report Date:**	10/15/25

Data Qualifiers

ND	- Not detected at the reporting limit (RL) for the sample.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
S	- Analytical results are from modified screening analysis.
V	- The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
Z	- The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: 25J0089 **Lab Number:** L2562278

Project Number: 25J0089 **Report Date:** 10/15/25

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

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

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

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

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

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

Certification IDs:

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

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

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

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

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

25J0089

L2562278

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

Project Location: New York

Origianl Client: NYDEC_NYS Division of Environmental Remediati

	Analysis	Sample Name	Due		Expires	Comments
01	**Sample ID: 25J0089-02**	20250930-0097-3	**Water**	**Sampled:**	**09/30/25 15:20**	**CAT A**
	SG-TAL 23 Metals 6020 (incl. Hg) Total		10/23/25 14:00		10/07/25 15:20	
	Containers Supplied:					
	250 mL plastic + HNO3 (A)					
02	**Sample ID: 25J0089-04**	20250930-0097-3	**Water**	**Sampled:**	**09/30/25 15:20**	**CAT A**
	SG-TAL 23 Metals 6020 (incl. Hg) Dissolved		10/23/25 14:00		10/07/25 15:20	F/P CAH 10/2/25 11:20 pH adj. <2 HNO3 25B0587
	Containers Supplied:					
	Other (B)					
03	**Sample ID: 25J0089-06**	FB-Total-Metals	**Water**	**Sampled:**	**10/01/25 11:40**	**CAT A**
	SG-TAL 23 Metals 6020 (incl. Hg) Total		10/23/25 14:00		10/08/25 11:40	
	Containers Supplied:					
	250 mL plastic + HNO3 (A					
04	**Sample ID: 25J0089-07**	FB-Dis-Metals	**Water**	**Sampled:**	**10/01/25 11:40**	**CAT A**
	SG-TAL 23 Metals 6020 (incl. Hg) Dissolved		10/23/25 14:00		10/08/25 11:40	F/P CAH 10/2/25 11:20 pH adj. <2 HNO3 25B0587
	Containers Supplied:					
	Other (B)					

BLIC NOT ON COC

Released By: Rayanah Baker	Date: 10/2/25	Received By:	Date: 10-2 1530
Released By:	Date: 10-2 18	Received By: Fed Mendoza AAL	Date: 10/2/25 1730
Released By: Fed Mendoza AAL	Date: 10/2/25 2100	Received By: Emily Dunkerley	Date: 10/2/2521

L2562278

Sample Delivery Group Summary

Pace Job Number : L2562278

Account Name : Pace New England
Project Number : 25J0089
Project Name : 25J0089

Received : 02-OCT-2025
Reviewer : Emily Denekamp

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.8	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**