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Subject:
2024 Q3 Monitoring Report
Brewerton Jack's Cleaners
NYSDEC Site No. 734112
Contract No. D009804-26

Date:
November 8, 2024

Dear Ms. Fitzgerald:

Contact:
Stefan Bagnato

Arcadis of New York, Inc. (Arcadis) has prepared this letter report to present the results of the August 2024 groundwater monitoring conducted at the above-referenced site with respect to the effectiveness of the in-situ enhanced bioremediation remedy previously implemented. This report presents the sampling methodology, sampling results, and evaluation of these results.

Phone:
518-250-7300

Email:
Stefan.Bagnato@arcadis.com

Background

Our ref:
30135043

The Brewerton Jack's Cleaners Site consists of a retail dry cleaning facility located at 9628 Brewerton Road, Brewerton, New York. The Site was developed with the current structure in approximately 1945. The Site was historically utilized as a gasoline station along with the adjacent property to the south in the 1950s. The Site has been utilized as a dry cleaning facility since approximately 1972. The current layout of the facility and surrounding area are shown on **Figure 1**. A petroleum spill investigation and cleanup of the adjacent property to the south (9626 Brewerton Road) in 2006 and 2007 identified tetrachloroethene (PCE) impacts in soil and groundwater. Based on subsequent investigation, the septic system behind the Jack's Dry Cleaners building was thought to be the source of chlorinated volatile organic compound (CVOC) contamination. As part of an interim remedial measure (IRM) conducted in 2009 during the Remedial Investigation (RI), Jack's Dry Cleaners was connected to the municipal sewer, the septic system was removed, and approximately 172 tons of impacted soil were removed. Subsequent investigations delineated a CVOC groundwater plume extending from the dry cleaner building approximately 500 feet to the southeast.

A Feasibility Study and a Pre-Remedial Design Investigation were completed in 2012 to evaluate natural attenuation processes and potential including hydrogeologic, geochemical, and microbiological characteristics. Enhanced bioremediation was selected as the remedy for the Site in the 2015 Record of Decision. An injection pilot test was conducted in 2016 to assess flow rates and radius of influence and to develop a full-scale injection plan. The full-scale injection activities took place over two events in 2017 and 2018, utilizing emulsified vegetable oil, deoxygenated water, pH buffer, and *Dehalococcoides* bioaugmentation culture. Two rounds of post-injection groundwater monitoring were conducted in July and December 2019 which showed significant reductions in CVOC concentrations. Quarterly groundwater monitoring conducted under Standby Contract No. D009804-26 since the fourth quarter of 2022 has aimed to evaluate the effectiveness of the enhanced bioremediation remedy.

Analytical Results

Groundwater Sampling

Between August 26 and August 29, 2024, Arcadis conducted groundwater sampling at all 18 planned monitoring well locations using low-flow sampling. Locations are shown on **Figures 2** and **3**. Sampling logs are provided in **Appendix A**. Prior to sampling, water levels were measured at each groundwater monitoring well location. For those wells sampled by low-methods, field parameters (pH, temperature, oxidation-reduction potential [ORP], specific conductance, dissolved oxygen [DO] and turbidity) were measured and documented on the field sampling logs. Groundwater elevations are summarized in **Table 1**. As shown on **Figures 2** and **3**, the overburden and bedrock groundwater potentiometric surface maps indicate that the groundwater flow direction is generally to the east-southeast, consistent with other historical events, although there does appear to be a slight groundwater depression in the center of the overburden well network.

Groundwater was purged from the wells until field parameters stabilized. Groundwater samples were collected from the monitoring wells listed in **Table 2**. A duplicate sample, DUP-20240829 was collected at MW-1R. An equipment blank, EB-20240829, was collected to evaluate the impact of sampling equipment on analytical results. Sample collection and handling was conducted in accordance with Arcadis' Generic Sampling and Analysis Plan (SAP) for NYSDEC Standby Engineering Contract D009804. Based on historical sampling analytical data and in consultation with the NYSDEC, purge water was discharged to the ground surface in the vicinity of the well from which it came in accordance with Arcadis' Generic SAP.

Groundwater samples were submitted to Pace Analytical of East Longmeadow, Massachusetts under direct callout to the New York State Department of Environmental Conservation (NYSDEC) and analyzed for Target Compound List (TCL) VOCs by United States Environmental Protection Agency Method 8260C and/or 40 compound target analyte list Per- and Polyfluoroalkyl Substances (PFAS) by Draft USEPA Method 1633.

A summary of current and historical analytical data are provided in **Table 3**. CVOC concentrations in samples are depicted on **Figures 4** and **5**. These figures show detected CVOCs at each location and highlight those contaminants and their concentrations which exceed the corresponding NYSDEC Class GA Groundwater Standards. Analytical laboratory reporting forms are provided in **Appendix B**. Data validation was conducted by Environmental Data Services, Inc. in accordance with NYSDEC Analytical Services Protocols to ensure that the quality of the data is sufficient to document existing conditions. Data Usability Summary Reports (DUSRs) were generated and are provided in **Appendix C**. The 2024 Q3 data were usable as reported with minor qualifications. The specific details of the data validation can be found in **Appendix C**.

As shown in **Table 3** and on **Figures 4** and **5**, acetone, cis-1,2-dichloroethene (cDCE), vinyl chloride (VC), trichloroethene (TCE), and PCE and were the most frequently detected CVOC compounds in groundwater samples collected during the 2024 Q3 event. Acetone is known to be a common laboratory contaminant and is not considered a contaminant of concern for this site. Benzene was detected in the sample from MW-1R at a concentration greater than the corresponding NYSDEC Class GA Standard for the first time during the monitoring period and while likely anomalous, will be further evaluated following additional subsequent sampling events. CVOCs were detected at concentrations greater than the corresponding NYSDEC Class GA Standards at the following locations:

Location	Wells	CVOCs exceeding NYSDEC Class GA Standards
Source Area	MW-02	PCE – 15 micrograms per liter (µg/L)
	MW-1R	TCE – 5.2 µg/L, cDCE – 37 µg/L, VC – 13 µg/L
Immediately Down-gradient of Source Area	MW-09	PCE – 6.1 µg/L, TCE – 59 µg/L, cDCE – 95 µg/L, VC – 33 µg/L
	MW-07	cDCE – 11 µg/L, VC – 18 µg/L
	MW-13	PCE – 520 µg/L, TCE – 210 µg/L, cDCE – 250 µg/L, VC – 28 µg/L
	IW-18	cDCE – 77 µg/L, VC – 84 µg/L
	IW-25	TCE – 15 µg/L, cDCE – 1,300 µg/L, tDCE – 14 µg/L, VC – 200 µg/L
Down-gradient plume area	IW-17	cDCE – 20 µg/L, VC – 17 µg/L
	MW-15BR	cDCE – 9.6 µg/L, VC – 5.3 µg/L

As shown in **Table 3**, the groundwater sample collected from MW-1R, MW-2, MW-13, IW-18, and IW-25 contained both Perfluorooctane sulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA) at concentrations greater than the NYSDEC maximum contaminant level (MCL) of 10 nanograms per liter (ng/L) for PFOS and PFOA, individually. The groundwater samples collected from MW-7 and IW-31 contained PFOS at a concentration greater than the MCL (10 ng/L) and contained PFOA at a concentration less than the MCL (10 ng/L). The groundwater samples from MW-5, MW-10, MW-12, MW-14, and MW-15BR did not contain PFOS or PFOA at concentrations greater than the applicable MCL. PFOS and PFOA were not detected in the equipment blank collected during the sampling event. PFAS concentrations in samples are depicted on **Figure 6**, showing detected compounds at each location and highlighting those contaminants and their concentrations which exceed the corresponding NYSDEC MCLs.

Groundwater Contaminant Concentrations and Remedy Effectiveness

CVOCs

Relative to the 2nd Quarter of 2024, the sampling results from the 3rd Quarter of 2024 show the following changes:

- Increased concentrations of PCE are noted at MW-02 and MW-09, though minor in magnitude;
- Decreased concentrations of PCE and/or TCE are noted at MW-1R, MW-13, and IW-25;
- Increased concentrations of breakdown products are noted at MW-1R, MW-07, MW-09, MW-15BR, IW-17, IW-25, and IW-18;
- Decreased concentrations of breakdown products are noted at MW-1R, MW-13, and IW-18; and
- Similar concentrations generally below corresponding NYSDEC Class GA Standards at all other monitoring locations.

Continued favorable/reducing conditions are inferred from overall reductions in CVOCs, higher proportions of breakdown products, and reductions in detections/exceedances in the down-gradient plume area. These results suggest that degradation is ongoing following the 2017/2018 plume treatment. This apparent trend will be further evaluated following subsequent sampling events.

PFAS

While the overall extent of PFAS impacts have been generally defined, sampling during the 3rd Quarter of 2024 was focused on confirming trends in PFAS concentrations, particularly in the source area. PFOS and PFOA concentrations were generally of similar magnitude or greater than those from previous sampling events. Additionally, PFOS and PFOA are present in the bedrock aquifer, as shown by results from MW-13. Samples from up-gradient well MW-5 continue to remain below MCLs and sampling results from the down-gradient plume area continue to indicate that there does not appear to be off-site migration.

Collectively, the PFAS results from recent sampling events suggest that the source of PFAS may be attributable to the site, given the general co-location with elevated CVOCs and known association of PFAS with wet and dry cleaner waste. Further, the impacts appear to be localized to the CVOC source area and immediately down-gradient, consistent with residual CVOC exceedances. These factors suggest that some PFAS-containing source mass may remain, influencing groundwater concentrations. This premise is supported by the fact that the 2009 IRM excavation targeted impacted soil based only on previous VOC sampling and photoionization detector field readings during excavation, and that excavation confirmation sampling did not include PFAS.

Conclusions and Recommendations

Overall reductions in CVOC concentrations and proportions of primary contaminant vs. breakdown products suggest that site conditions remain favorable for continued reductive dechlorination of residual CVOCs. The area of PFAS-impacted groundwater appears to be stable and is generally coincident with CVOC-impacted groundwater.

As summarized on **Table 4**, the following recommendations are offered for the next sampling event:

- Continue VOC sampling in the immediate area surrounding source area and residual plume.
- Continue regular monitoring of PFAS concentrations to evaluate trends.

If you have any questions concerning this report, please call me at (518) 250-7334.

Sincerely,

Arcadis of New York, Inc.



Stefan Bagnato, P.G. NY#000217
Principal Geologist

Enclosures:

Figure 1 – Site Map

Figure 2 – Overburden Potentiometric Contour Map

Figure 3 – Bedrock Potentiometric Contour Map

Figure 4 – Summary of CVOCs in Overburden Groundwater – Q3 2024

Figure 5 – Summary of CVOCs in Bedrock Groundwater – Q3 2024

Figure 6 – Summary of PFAS in Groundwater – Q3 2024

Table 1 – Summary of Groundwater Elevations

Table 2 – Summary of Sampled Wells

Table 3 – Summary of Groundwater Sampling Results

Table 4 – Proposed Sampling

Appendix A – Field Sampling Logs

Appendix B – Laboratory Analytical Reports

Appendix C – Data Usability Summary Reports



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 BREWERTON JACK'S CLEANERS
 9628 Brewerton Road, Brewerton, New York
 Site No. 734112

SITE MAP

FIGURE
1

NOTES:
 Aerial Background: Google Satellite

Legend

- Monitoring Well
- Injection Well
- Former Monitoring Well
- Site Parcel Boundary
- Tax Parcel

GRAPHIC SCALE

0 200 400 Feet



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BREWERTON JACK'S CLEANERS
9628 Brewerton Road, Brewerton, New York
Site No. 734112

**OVERBURDEN POTENTIOMETRIC
CONTOUR MAP**
AUGUST 26, 2024

ARCADIS | FIGURE 2

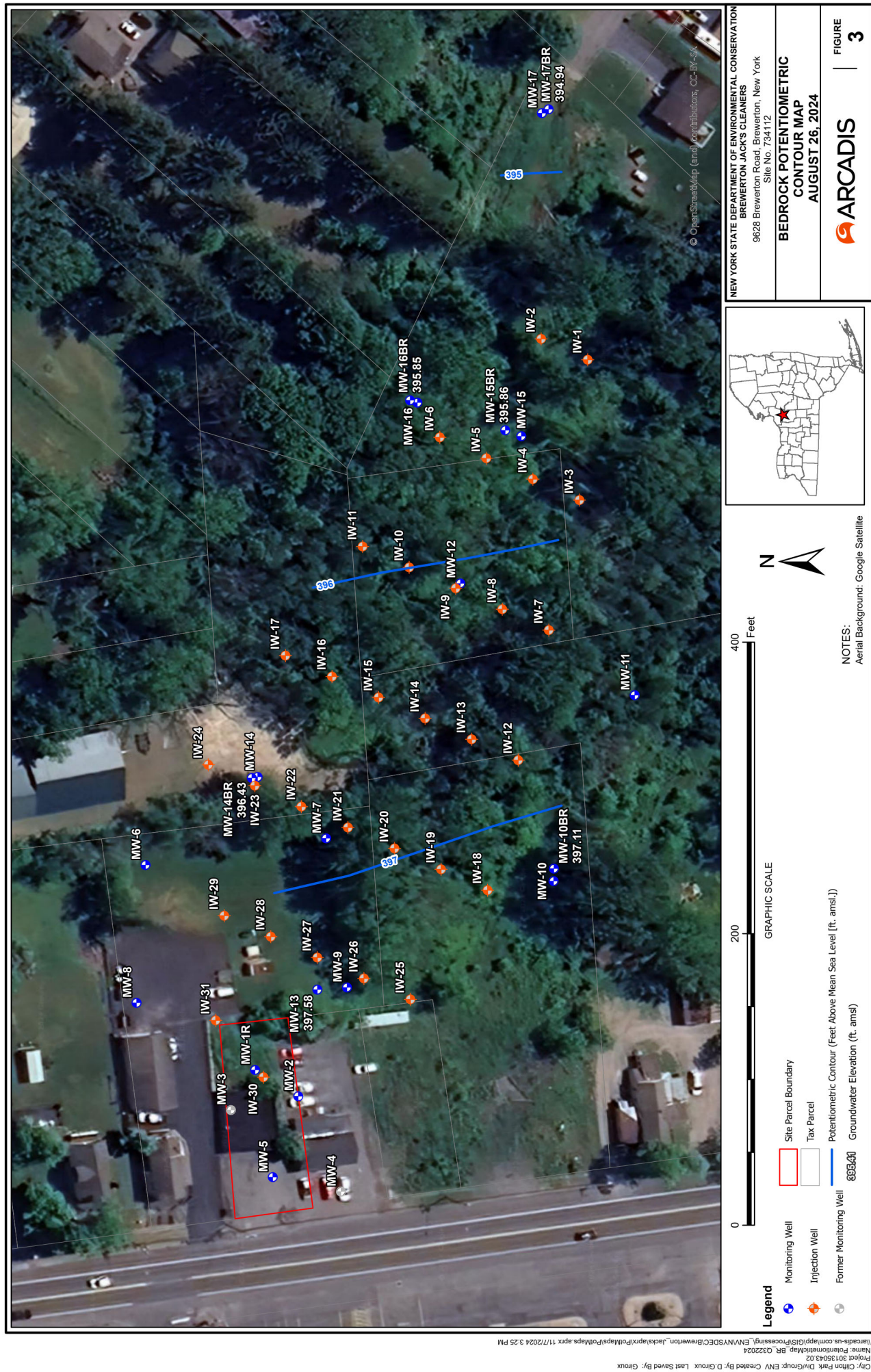
NOTES:
Aerial Background: Google Satellite
NM - Not Measured

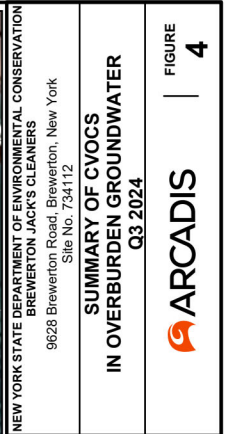
0 200 400 Feet

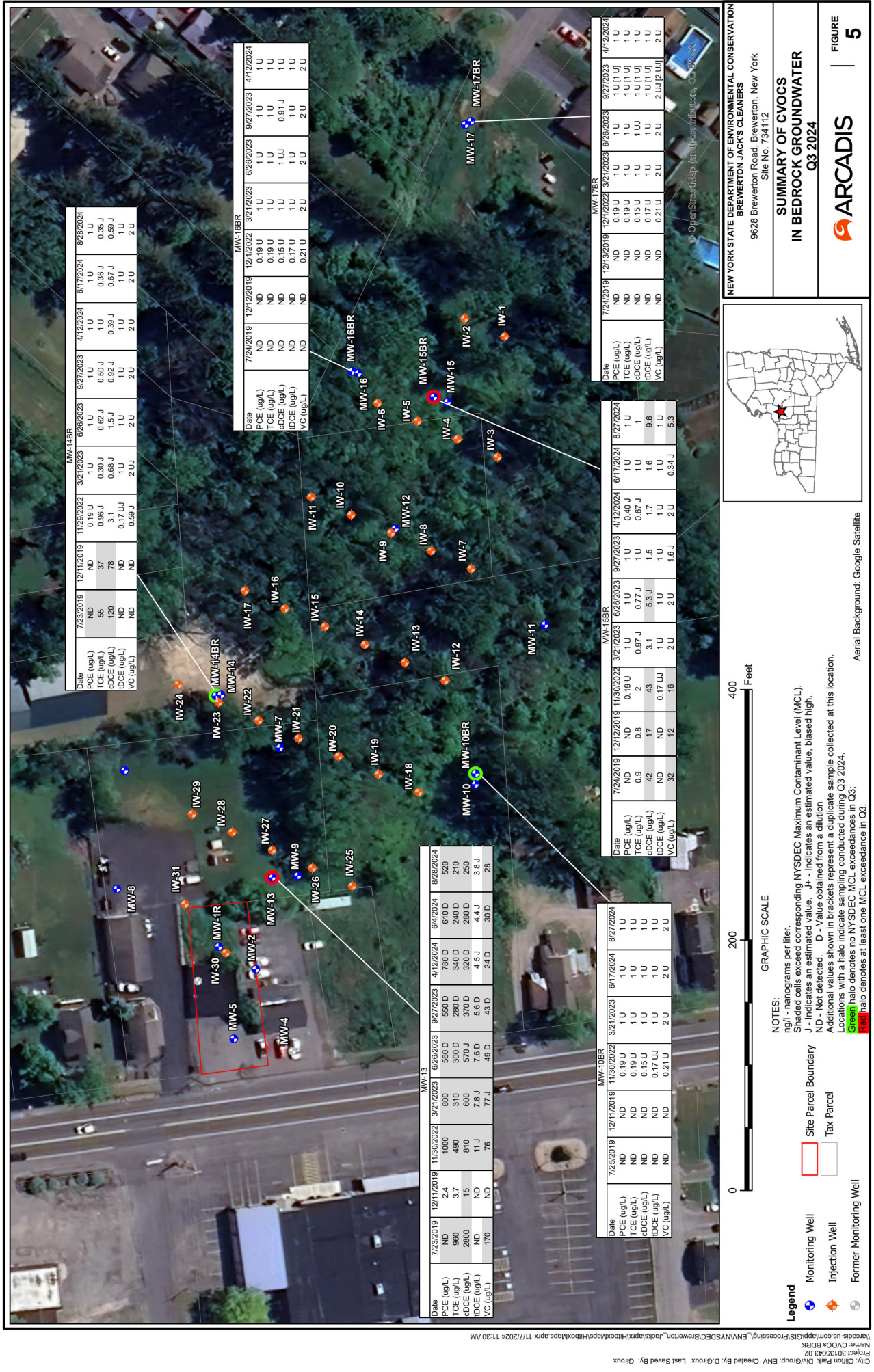
GRAPHIC SCALE

Legend

- Monitoring Well
- Injection Well
- Former Monitoring Well
- Site Parcel Boundary
- Tax Parcel
- Potentiometric Contour (Feet Above Mean Sea Level [ft. amsl.])
- 889.575 Groundwater Elevation (ft. amsl)







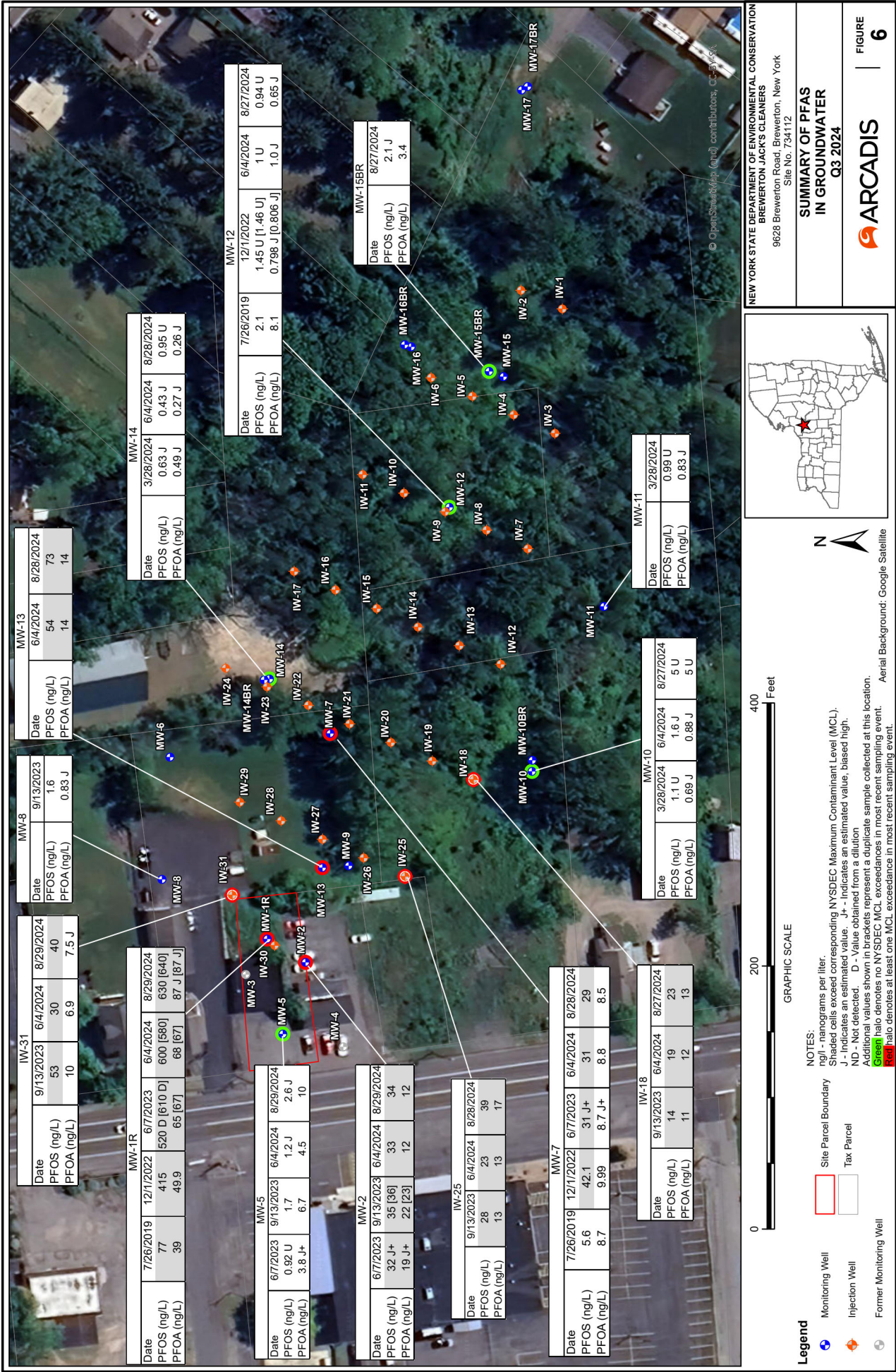


Table 1
Summary of Groundwater Elevations
Brewerton Jack's Cleaners
Brewerton, New York

Well ID	Ground Elevation (ft. AMSL)	Measuring Point Elevation (ft. AMSL)	Northing	Easting	Well Diameter (inches)	Depth to Bedrock (ft. below TOC)	Well Total Depth (ft. below TOC)	Historic - December 2019		11/28/2022		3/7/2023		6/5/2023		9/11/2023	
								DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)
MW-1R	400.70	400.87	1179435.99	938419.55	2	19	19	1.40	399.47	3.15	397.72	1.61	399.26	3.92	40199.08	3.73	397.14
MW-2	401.39	401.10	1179406.36	938401.50	2	--	15	1.48	399.62	1.51	399.59	0.82	400.28	4.27	39185.73	2.70	398.40
MW-5	402.55	402.12	1179423.87	938346.034	2	--	15	2.60	399.52	2.72	399.40	2.87	399.25	4.50	39186.50	3.73	398.39
MW-7	400.29	399.98	1179387.25	938578.481	2	20.5	20.5	1.99	397.99	2.77	397.55	2.43	397.21	3.34	39498.25	3.34	396.64
MW-8	404.24	403.92	1179517.28	938465.636	2	15	15	4.53	399.39	4.17	399.75	4.90	399.02	7.16	39495.84	5.78	398.14
MW-9	400.05	399.80	1179372.97	938476.18	2	18.5	18.5	1.29	398.51	1.73	398.07	1.73	398.07	4.11	39499.99	2.53	397.27
MW-10	397.8	400.39	1179231.27	938549.17	2	--	15.5	3.05	397.34	3.01	397.38	3.07	397.32	5.53	40043.47	4.07	396.32
MW-10BR	397.90	400.36	1179231.07	938557.73	2	20	28	2.90	397.46	3.32	397.04	2.72	397.64	5.11	40199.89	3.76	396.60
MW-11	397.6	400.19	1179175.67	938676.702	2	--	18	4.14	396.05	3.69	396.50	3.63	396.56	6.25	40042.75	4.73	395.46
MW-12	397.5	399.84	1179295.2	938753.404	2	15	15	2.96	396.88	2.89	396.95	2.58	397.26	5.40	40043.60	4.01	395.83
MW-13	400.78	400.53	1179393.27	938474.70	2	18	29.5	2.39	398.14	2.76	397.77	2.65	397.88	5.02	40043.98	3.52	397.01
MW-14	397.20	399.79	1179434.26	938620.63	2	26	23	3.05	396.74	2.96	396.83	2.33	397.46	4.39	40199.61	1.61	398.18
MW-14BR	397.40	399.69	1179438.25	938619.91	2	23	38	3.05	396.64	2.68	398.54	2.20	399.02	4.96	40200.04	3.61	396.08
MW-15	399.50	402.13	1179253.40	938854.42	2	--	15.5	3.39	398.74	4.29	397.84	3.26	398.87	7.31	40198.69	7.18	394.95
MW-15BR	399.40	402.04	1179264.43	938858.49	2	15	30	5.59	396.45	5.45	396.59	5.64	396.40	8.18	40197.82	6.88	395.16
MW-16	402.30	404.46	1179324.66	938877.49	2	--	24.75	5.11	399.35	7.76	396.70	5.83	398.63	9.35	40433.65	9.11	395.35
MW-16BR	402.60	404.95	1179329.70	938879.08	2	24	40.25	9.31	395.64	9.54	395.41	8.72	396.23	10.67	40432.33	10.23	394.72
MW-17	401.90	404.19	1179239.28	939076.09	2	--	17	4.61	399.58	6.03	398.16	5.03	399.16	8.65	40433.35	8.54	395.65
MW-17BR	401.50	403.65	1179234.67	939078.76	2	15	30.51	8.77	394.88	10.00	393.65	8.57	395.08	11.06	40430.94	10.50	393.15
IW-1	UNK	401.19	1179207.88	938906.88	2	16	17.9	2.72	398.47	3.66	397.53	2.65	398.54	6.34	42999.66	5.03	396.16
IW-2	UNK	401.22	1179239.81	938921.23	2	--	17	2.40	398.82	2.68	398.54	2.20	399.02	5.90	42999.10	3.53	397.69
IW-3	UNK	399.85	1179213.54	938810.60	2	18	18	2.78	397.07	2.68	397.22	2.25	397.60	5.30	42997.70	3.94	395.91
IW-4	UNK	400.09	1179245.46	938824.95	2	17.5	18.9	NM	--	2.71	397.38	2.23	397.86	5.49	42998.51	3.98	396.11
IW-5	UNK	401.25	1179277.39	938839.30	2	17.5	18	NM	--	4.21	397.04	3.17	398.08	5.62	42997.38	5.45	395.80
IW-6	UNK	402.93	1179309.31	938853.65	2	17	18	NM	--	5.31	397.62	4.44	398.49	8.20	42995.80	7.22	395.71
IW-7	UNK	398.63	1179234.54	938721.37	2	17	18	NM	--	1.60	397.03	1.36	397.27	3.88	42999.12	2.55	396.08
IW-8	UNK	398.67	1179266.46	938735.72	2	16	18	NM	--	1.72	396.95	1.54	397.13	4.18	42995.82	2.69	395.98
IW-9	UNK	399.57	1179298.38	938750.06	2	14	17	NM	--	2.47	397.10	2.33	397.24	5.02	42993.98	3.44	396.13
IW-10	UNK	400.15	1179330.31	938764.41	2	14	17	NM	--	3.22	396.93	2.56	397.59	1.23	42997.77	2.81	397.34
IW-11	UNK	400.44	1179362.23	938778.76	2	16	18	2.91	397.53	3.45	396.99	3.25	397.19	6.34	42991.66	5.01	395.43
IW-12	UNK	398.14	1179255.53	938632.13	2	15	16.8	NM	--	1.04	397.10	0.86	397.28	3.38	42988.62	1.95	396.19
IW-13	UNK	398.34	1179287.46	938646.48	2	17	20.5	NM	--	1.35	396.99	1.13	397.21	3.55	42988.45	2.19	396.15
IW-14	UNK	399.64	1179319.38	938660.63	2	18	21	3.54	398.10	2.78	396.86	2.47	397.17	4.82	42988.18	3.42	396.22
IW-15	UNK	399.46	1179351.30	938675.18	2	20	21.5	NM	--	2.44	397.02	2.18	397.28	4.63	42988.37	3.24	396.22
IW-16	UNK	398.63	1179383.23	938689.53	2	20	21	NM	--	1.76	396.87	1.51	397.12	3.46	42992.54	1.63	397.00
IW-17	UNK	398.68	1179415.15	938703.87	2	17	20.8	2.02	396.66	1.79	396.89	2.76	395.92	4.13	42991.87	2.93	395.75
IW-18	UNK	398.89	1179276.53	938542.90	2	16.5	20	NM	--	1.69	397.20	1.57	397.32	3.89	42985.11	2.48	396.41
IW-19	UNK	398.21	1179308.45	938575.25	2	20	22.5	0.61	397.60	0.98	397.23	0.87	397.34	3.23	42980.77	1.89	396.32
IW-20	UNK	398.39	1179340.38	938571.59	2	15.5	19	NM	--	1.20	397.19	1.03	397.36	3.47	42986.53	1.98	396.41
IW-21	UNK	399.29	1179372.30	938585.94	2	15	20.5	NM	--	1.81	397.48	1.69	397.60	4.07	42985.93	2.64	396.65
IW-22	UNK	398.25	1179404.23	938600.29	2	14	18.5	NM	--	0.84	397.41	6.71	391.54	3.08	42994.92	1.67	396.58
IW-23	UNK	399.14	1179406.15	938614.64	2	17.5	20	NM	--	2.03	397.11	1.96	397.18	3.75	42993.25	2.80	396.54
IW-24	UNK	397.57	1179468.07	938628.99	2	20	21.6	0.65	396.92	0.31	397.26	0.31	397.26	2.55	42994.45	1.07	396.50
IW-25	UNK	398.29	1179329.44	938468.00	2	15.5	19	0.60	397.69	0.67	397.62	0.62	397.67	2.93	42986.07	1.51	396.78
IW-26	UNK	398.56	1179361.36	938482.35	2	12.5	15.5	NM	--	2.73	397.77	0.79	397.77	2.94	42983.06	1.57	396.99
IW-27	UNK	400.66	1179393.28	938496.70	2	16.8	20.5	NM	--	2.73	397.93	2.59	398.07	4.95	42981.05	3.66	397.00
IW-28	UNK	401.41	1179425.21	938511.05	2	17	20.2	2.55	398.86	2.55	398.86	2.89	398.52	5.39	42979.61	3.79	397.62
IW-29	UNK	402.15	1179457.13	938525.40	2	17.5	20.5	3.52	398.63	4.11	398.04	4.04	398.11	6.37	42978.63	4.94	397.21
IW-30	UNK	401.27	1179430.23	938414.63	2	13.5	15	NM	--	1.94	399.33	2.14	399.13	4.27	42979.73	2.77	398.50
IW-31	UNK	403.63	1179462.15	938428.98	2	16	18	4.39	399.24	4.07	399.56	4.69	398.94	7.14	42987.96	5.31	398.32

NM - Not measured
UNK - Unknown
Horizontal coordinated were surveyed using NAD83
Horizontal coordinated were surveyed using NAD88

Table 1
Summary of Groundwater Elevations
Brewerton, Jack's Cleaners
Brewerton, New York

Well ID	Ground Elevation (ft. AMSL)	Measuring Point Elevation (ft. AMSL)		3/26/2024		6/3/2024		8/26/2024	
		DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)
MW-1R	400.70	1.50	399.37	3.49	397.38	1.76	399.11		
MW-2	401.39	1.84	399.26	3.89	396.98	2.06	399.04		
MW-5	402.55	3.07	399.05	4.18	397.94	3.06	399.06		
MW-7	400.29	2.39	397.59	4.47	395.51	2.93	397.05		
MW-8	404.24	403.92	398.90	-	-	-	-		
MW-9	400.05	399.80	397.99	3.78	396.02	1.84	397.96		
MW-10	397.8	400.39	397.37	5.22	395.17	3.71	396.68		
MW-10BR	397.90	400.36	397.67	4.77	395.59	3.25	397.11		
MW-11	397.6	400.19	397.41	5.95	394.24	4.55	395.64		
MW-12	397.5	399.84	397.49	5.09	394.75	3.42	396.42		
MW-13	400.78	400.53	397.79	4.65	395.88	2.95	397.58		
MW-14	397.20	399.79	397.63	4.21	395.58	2.00	397.79		
MW-14BR	397.40	399.69	396.76	4.94	394.75	3.26	396.43		
MW-15	399.50	402.13	396.65	6.92	395.21	5.09	397.04		
MW-15BR	399.40	402.04	396.54	7.3	394.74	6.18	395.86		
MW-16	402.30	404.46	398.83	9.18	395.28	7.46	397.00		
MW-16BR	402.60	404.95	396.36	10.5	394.45	9.10	395.85		
MW-17	401.90	404.19	399.52	8.92	395.27	5.73	398.46		
MW-17BR	401.50	403.65	395.22	10.94	392.71	8.71	394.94		
IW-1	UNK	401.19	398.93	5.92	395.27	4.02	397.17		
IW-2	UNK	401.22	398.16	5.55	395.67	3.47	397.75		
IW-3	UNK	399.85	397.81	4.91	394.94	3.26	396.59		
IW-4	UNK	400.09	398.09	5.15	394.94	3.35	396.74		
IW-5	UNK	401.25	398.43	5.2	396.05	3.77	397.48		
IW-6	UNK	402.93	398.69	7.77	395.16	6.00	396.83		
IW-7	UNK	398.63	397.39	3.62	395.01	1.98	396.65		
IW-8	UNK	398.67	397.30	3.6	395.07	2.09	396.58		
IW-9	UNK	399.57	397.38	4.61	394.96	1.96	397.61		
IW-10	UNK	400.15	397.44	5.29	394.86	2.97	397.18		
IW-11	UNK	400.44	397.39	5.84	394.60	4.35	396.09		
IW-12	UNK	398.14	397.39	2.94	395.20	1.41	396.73		
IW-13	UNK	398.34	397.32	3.22	395.12	1.90	396.44		
IW-14	UNK	399.64	397.38	3.95	395.89	2.85	396.79		
IW-15	UNK	399.46	397.35	4.23	395.23	2.68	396.78		
IW-16	UNK	398.63	397.18	3.71	394.92	1.77	396.86		
IW-17	UNK	398.68	396.96	4.45	394.23	2.25	396.43		
IW-18	UNK	398.89	397.48	3.61	395.28	1.98	396.91		
IW-19	UNK	398.21	397.41	3	395.21	1.31	396.90		
IW-20	UNK	398.39	397.48	3.06	395.33	1.48	396.91		
IW-21	UNK	399.29	NM	-	-	-	-		
IW-22	UNK	398.25	397.42	2.76	395.49	1.17	397.08		
IW-23	UNK	399.14	397.15	3.84	395.30	2.13	397.01		
IW-24	UNK	397.57	397.20	3	394.57	0.50	397.07		
IW-25	UNK	398.29	397.63	3.65	394.64	1.18	397.11		
IW-26	UNK	398.56	397.74	2.53	396.03	1.04	397.52		
IW-27	UNK	400.66	398.00	4.59	396.07	2.92	397.74		
IW-28	UNK	401.41	398.41	4.96	396.45	3.04	398.37		
IW-29	UNK	402.15	398.08	5.98	396.17	4.08	398.07		
IW-30	UNK	401.27	399.31	4.04	397.23	2.38	398.89		
IW-31	UNK	403.63	398.83	6.59	397.04	4.67	398.96		

NM - Not measured
UNK - Unknown
Horizontal coordinates were surveyed using NAD83
Horizontal coordinates were surveyed using NAD88

Table 2
Summary of 2024 Q3 Sampling
Brewerton Jack's Cleaners RA

NYSDEC Site No. 734112

Well ID	VOCs	PFAS 40 compound
	Method 8260	Method 1633
MW-1R	X	X
MW-2	X	X
MW-5	X	X
MW-7	X	X
MW-8		
MW-9	X	
MW-10		X
MW-10BR	X	
MW-11		
MW-12	X	X
MW-13	X	X
MW-14	X	X
MW-14BR	X	
MW-15		
MW-15BR	X	X
MW-16		
MW-16BR		
MW-17		
MW-17BR		
IW-1		
IW-2		
IW-3		
IW-4		
IW-5		
IW-6		
IW-7		
IW-8		
IW-9		
IW-10		
IW-11		
IW-12		
IW-13		
IW-14	X	
IW-15		
IW-16		
IW-17	X	
IW-18	X	X
IW-19		
IW-20		
IW-21		
IW-22		
IW-23		
IW-24		
IW-25	X	X
IW-26		
IW-27		
IW-28		
IW-29	X	
IW-30		
IW-31	X	X

Analyte	Location ID: Date Collected:		Units												
	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)														
	W-4 7/24/2019	W-4 12/15/2019	W-4 6/26/2023	W-4 9/27/2023	W-4 4/12/2024	W-2 7/24/2019	W-2 12/15/2019	W-2 6/26/2023	W-2 9/27/2023	W-2 4/12/2024	W-3 7/24/2019	W-3 12/15/2019	W-3 6/26/2023	W-3 9/27/2023	W-3 4/12/2024
Detected VOCs															
1,1,1,1-Tetrachloroethane	5	ND	1U	1U	1U	ND	0.17U	1U	1U	1U	1U	0.17U	1U	1U	1U
1,1,1,2-Tetrachloroethane	1	ND	1U	1U	1U	ND	0.18U	1U	1U	1U	1U	0.18U	1U	1U	1U
1,1,2-Dichloroethane	5	ND	1U	1U	1U	ND	0.14U	1U	1U	1U	1U	0.14U	1U	1U	1U
1,2-Dichloroethane	5	ND	1U	1U	1U	ND	0.14U	1U	1U	1U	1U	0.14U	1U	1U	1U
1,2,4-Trimethylbenzene	5	NA	NA	NA	NA	NA	0.2U	1U	NA	NA	NA	0.2U	1U	NA	NA
1,2,4-Trimethylbenzene	3	NA	1U	1U	1U	ND	0.12U	1U	1U	1U	1U	0.12U	1U	1U	1U
1,2-Dichlorobenzene	0.6	ND	1U	1U	1U	ND	0.17U	1U	1U	1U	1U	0.17U	1U	1U	1U
1,2-Dichloroethane		ND	1U	1U	1U	ND	0.31U	1U	1U	1U	1U	0.31U	1U	1U	1U
1,4-Dioxane	--	ND	50U	50U	50U	NA	21U	50U	50U	50U	NA	21U	50U	50U	50U
2-Butanone (MEK)	50	67	20U	20U	20U	16.3	3.5J	20U	20U	19.3	400	780	20U	20U	20U
Acetone	50	250	3.9J	5.3J	5.3J	8.6J	26J	50J	50J	9.3J	650	340	50J	3.5J	6.4J
Benzene	1	ND	1U	1U	1U	ND	0.2U	1U	0.19J	1U	ND	0.2U	1U	6.6	1.4
Bromodichloromethane	50	ND	0.5U	0.5U	0.5U	ND	0.18U	0.5U	0.5U	0.5U	ND	0.18U	0.5U	0.5U	0.5U
Carbon Disulfide	60	ND	5U	5U	5U	ND	1.4U	5U	5U	5U	ND	1.4U	5U	5U	5U
Chlorodibromomethane	50	ND	0.5U	0.5U	0.5U	ND	0.22U	0.5U	0.5U	0.5U	ND	0.22U	0.5U	0.5U	0.5U
Chloroethane	5	ND	2U	2U	2U	ND	0.32U	2U	2U	2U	ND	0.32U	2U	2U	2U
Chloroform	7	ND	2U	2U	2U	ND	0.17U	2U	2U	2U	ND	0.17U	2U	2U	2U
Chloromethane	5	ND	2U	2U	2U	ND	0.52U	2U	2U	2U	ND	0.52U	2U	2U	2U
cis-1,2-Dichloroethene	5	ND	1U	1U	1U	ND	0.15U	1U	1U	1U	ND	0.15U	1U	0.43J	0.29J
Cyclohexane	--	ND	NA	5U	5U	ND	NA	NA	5U	5U	ND	NA	NA	5U	5U
Dichloromethane	5	ND	5U	5U	5U	2.1	0.23U	5U	5U	5U	100	ND	5U	5U	5U
Diethyl ether	--	ND	2U	NA	NA	NA	0.18U	2U	NA	NA	NA	0.18U	2U	NA	NA
Diisopropyl ether	--	ND	0.5U	NA	NA	NA	0.13U	0.5U	NA	NA	NA	0.13U	0.5U	NA	NA
Ethylbenzene	5	ND	1U	1U	1U	ND	0.21U	1U	1U	1U	ND	0.21U	1U	1U	1U
Isopropylbenzene	5	ND	1U	1U	1U	ND	0.11U	1U	1U	1U	ND	0.11U	1U	1U	1U
m,p-Xylenes	5	ND	2U	NA	NA	2U	NA	NA	NA	2U	NA	NA	2U	NA	NA
M&P-Xylenes		ND	1U	1U	1U	ND	0.45U	2U	1U	1U	ND	0.45U	2U	1U	1U
Methyl Acetate	--	ND	1U	1U	1U	ND	0.45U	1U	1U	1U	ND	0.45U	1U	1U	1U
Methyl N-Butyl Ketone (2-Heptanone)	50	ND	10U	10U	10U	ND	1.1U	10U	10U	10U	ND	1.1U	10U	10U	10U
Methylcyclohexane		ND	1U	1U	1U	ND	0.24U	1U	1U	1U	ND	0.24U	1U	1U	1U
Methyl-tert-butylether	10	ND	1U	1U	1U	ND	0.17U	1U	1U	1U	ND	0.17U	1U	1U	1U
o-Xylene	5	NA	NA	NA	NA	NA	0.23U	1U	NA	NA	NA	0.23U	1U	NA	NA
tert-Butylbenzene	5	NA	1U	NA	NA	1U	NA	1U	NA	1U	NA	0.13U	1U	NA	NA
Tetrachloroethene	5	ND	1U	1U	1U	ND	0.19U	1U	1U	1U	ND	0.19U	1U	1U	1U
Tetrahydrofuran	50	ND	10U	1U	1U	NA	2.6J	10U	NA	1U	NA	36	1.3J	NA	NA
Toluene	5	ND	1.0	1U	1U	ND	0.30J	0.94J	1.0	1U	ND	0.22U	1U	0.23J	1U
Total Xylenes	5	ND	NA	1U	1U	ND	NA	1U	1U	0.61J	ND	NA	NA	1U	1U
trans-1,2-Dichloroethene	5	ND	1U	1U	1U	ND	0.17U	1U	1U	1U	ND	0.34J	1U	1U	1U
trans-1,3-Dichloropropene	0.4	ND	0.5U	0.5U	0.5U	ND	0.17U	0.5U	0.5U	0.5U	ND	0.17U	0.5U	0.5U	0.5U
Trichloroethene	5	ND	1U	1U	1U	ND	0.19U	1U	1U	1U	ND	0.19U	1U	1U	1U
Vinyl chloride	2	ND	2U	2U	2U	ND	0.21U	2U	2U	2U	ND	0.21U	2U	2U	2U
Total VOCs	--		90.25 J	1	5.2 J	10.7 J	106.2	710	29.8 J	0.94 J	11.81 J	1150	35.34 J	10.82 J	7.2 J
Dissolved Gases															
Ethane	--	ND	NA	NA	NA	NA	2.6U	NA	NA	NA	NA	2.6U	NA	NA	NA
Ethene	--	ND	3U	NA	NA	NA	3U	NA	NA	NA	NA	3U	NA	NA	NA
Methane	--	ND	15000	NA	NA	NA	7300	NA	NA	NA	NA	5300	NA	NA	NA
Detected PFAs and PFOs															
NYSDEC Maximum Contaminant Levels (MCL)															
N-Ethyl perfluorooctane sulfonamidoacetic acid (EFOSAA)	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOD) (PFHpS)	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFHpA)	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFHxS)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFHxA)	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNis)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecane sulfonic acid (PFDA)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorododecane sulfonic acid (PFDoS)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUdA)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Perfluoroalkylated substances (PFASs)	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	--														

Notes:

- µg/L - micrograms per liter.
- ng/L - nanograms per liter.
- Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
- J - Indicates an estimated value.
- J+ - Indicates an estimated value, but the result may be biased high
- D - Value obtained from a dilution
- ND - Not detected.
- U - The compound was not detected above the listed quantitation limit.

[illegible]

Notes:
 µg/L - micrograms per liter.
 ng/L - nanograms per liter.
 Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
 J - Indicates an estimated value.
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Analyte	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)		Location ID: 6/17/2024 8/28/2024 7/25/2019 12/12/2019 11/29/2022 3/21/2023 6/26/2023 8/27/2024 9/13/2023 12/11/2019 7/25/2019 8/27/2024 11/29/2022 3/21/2023 6/26/2023 8/27/2024 11/29/2022 3/2																			
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Notes:
ug/L - micrograms per liter.
ng/L - nanograms per liter.
Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
J - Indicates an estimated value, but the result may be biased high
D - Value obtained from a dilution
U - The compound was not detected above the listed quantitation limit.

Analyte	Location ID		W-19	W-20	W-21	W-22	W-23	W-24	W-25	W-26	W-27	W-28	W-29	W-30	W-31	W-32	W-33	W-34	W-35	W-36	W-37	W-38	W-39	W-40	W-41	W-42	W-43	W-44	W-45	W-46	W-47	W-48	W-49	W-50	W-51	W-52	W-53	W-54	W-55	W-56	W-57	W-58	W-59	W-60	W-61	W-62	W-63	W-64	W-65	W-66	W-67	W-68	W-69	W-70	W-71	W-72	W-73	W-74	W-75	W-76	W-77	W-78	W-79	W-80	W-81	W-82	W-83	W-84	W-85	W-86	W-87	W-88	W-89	W-90	W-91	W-92	W-93	W-94	W-95	W-96	W-97	W-98	W-99	W-100	W-101	W-102	W-103	W-104	W-105	W-106	W-107	W-108	W-109	W-110	W-111	W-112	W-113	W-114	W-115	W-116	W-117	W-118	W-119	W-120	W-121	W-122	W-123	W-124	W-125	W-126	W-127	W-128	W-129	W-130	W-131	W-132	W-133	W-134	W-135	W-136	W-137	W-138	W-139	W-140	W-141	W-142	W-143	W-144	W-145	W-146	W-147	W-148	W-149	W-150	W-151	W-152	W-153	W-154	W-155	W-156	W-157	W-158	W-159	W-160	W-161	W-162	W-163	W-164	W-165	W-166	W-167	W-168	W-169	W-170	W-171	W-172	W-173	W-174	W-175	W-176	W-177	W-178	W-179	W-180	W-181	W-182	W-183	W-184	W-185	W-186	W-187	W-188	W-189	W-190	W-191	W-192	W-193	W-194	W-195	W-196	W-197	W-198	W-199	W-200	W-201	W-202	W-203	W-204	W-205	W-206	W-207	W-208	W-209	W-210	W-211	W-212	W-213	W-214	W-215	W-216	W-217	W-218	W-219	W-220	W-221	W-222	W-223	W-224	W-225	W-226	W-227	W-228	W-229	W-230	W-231	W-232	W-233	W-234	W-235	W-236	W-237	W-238	W-239	W-240	W-241	W-242	W-243	W-244	W-245	W-246	W-247	W-248	W-249	W-250	W-251	W-252	W-253	W-254	W-255	W-256	W-257	W-258	W-259	W-260	W-261	W-262	W-263	W-264	W-265	W-266	W-267	W-268	W-269	W-270	W-271	W-272	W-273	W-274	W-275	W-276	W-277	W-278	W-279	W-280	W-281	W-282	W-283	W-284	W-285	W-286	W-287	W-288	W-289	W-290	W-291	W-292	W-293	W-294	W-295	W-296	W-297	W-298	W-299	W-300	W-301	W-302	W-303	W-304	W-305	W-306	W-307	W-308	W-309	W-310	W-311	W-312	W-313	W-314	W-315	W-316	W-317	W-318	W-319	W-320	W-321	W-322	W-323	W-324	W-325	W-326	W-327	W-328	W-329	W-330	W-331	W-332	W-333	W-334	W-335	W-336	W-337	W-338	W-339	W-340	W-341	W-342	W-343	W-344	W-345	W-346	W-347	W-348	W-349	W-350	W-351	W-352	W-353	W-354	W-355	W-356	W-357	W-358	W-359	W-360	W-361	W-362	W-363	W-364	W-365	W-366	W-367	W-368	W-369	W-370	W-371	W-372	W-373	W-374	W-375	W-376	W-377	W-378	W-379	W-380	W-381	W-382	W-383	W-384	W-385	W-386	W-387	W-388	W-389	W-390	W-391	W-392	W-393	W-394	W-395	W-396	W-397	W-398	W-399	W-400	W-401	W-402	W-403	W-404	W-405	W-406	W-407	W-408	W-409	W-410	W-411	W-412	W-413	W-414	W-415	W-416	W-417	W-418	W-419	W-420	W-421	W-422	W-423	W-424	W-425	W-426	W-427	W-428	W-429	W-430	W-431	W-432	W-433	W-434	W-435	W-436	W-437	W-438	W-439	W-440	W-441	W-442	W-443	W-444	W-445	W-446	W-447	W-448	W-449	W-450	W-451	W-452	W-453	W-454	W-455	W-456	W-457	W-458	W-459	W-460	W-461	W-462	W-463	W-464	W-465	W-466	W-467	W-468	W-469	W-470	W-471	W-472	W-473	W-474	W-475	W-476	W-477	W-478	W-479	W-480	W-481	W-482	W-483	W-484	W-485	W-486	W-487	W-488	W-489	W-490	W-491	W-492	W-493	W-494	W-495	W-496	W-497	W-498	W-499	W-500	W-501	W-502	W-503	W-504	W-505	W-506	W-507	W-508	W-509	W-510	W-511	W-512	W-513	W-514	W-515	W-516	W-517	W-518	W-519	W-520	W-521	W-522	W-523	W-524	W-525	W-526	W-527	W-528	W-529	W-530	W-531	W-532	W-533	W-534	W-535	W-536	W-537	W-538	W-539	W-540	W-541	W-542	W-543	W-544	W-545	W-546	W-547	W-548	W-549	W-550	W-551	W-552	W-553	W-554	W-555	W-556	W-557	W-558	W-559	W-560	W-561	W-562	W-563	W-564	W-565	W-566	W-567	W-568	W-569	W-570	W-571	W-572	W-573	W-574	W-575	W-576	W-577	W-578	W-579	W-580	W-581	W-582	W-583	W-584	W-585	W-586	W-587	W-588	W-589	W-590	W-591	W-592	W-593	W-594	W-595	W-596	W-597	W-598	W-599	W-600	W-601	W-602	W-603	W-604	W-605	W-606	W-607	W-608	W-609	W-610	W-611	W-612	W-613	W-614	W-615	W-616	W-617	W-618	W-619	W-620	W-621	W-622	W-623	W-624	W-625	W-626	W-627	W-628	W-629	W-630	W-631	W-632	W-633	W-634	W-635	W-636	W-637	W-638	W-639	W-640	W-641	W-642	W-643	W-644	W-645	W-646	W-647	W-648	W-649	W-650	W-651	W-652	W-653	W-654	W-655	W-656	W-657	W-658	W-659	W-660	W-661	W-662	W-663	W-664	W-665	W-666	W-667	W-668	W-669	W-670	W-671	W-672	W-673	W-674	W-675	W-676	W-677	W-678	W-679	W-680	W-681	W-682	W-683	W-684	W-685	W-686	W-687	W-688	W-689	W-690	W-691	W-692	W-693	W-694	W-695	W-696	W-697	W-698	W-699	W-700	W-701	W-702	W-703	W-704	W-705	W-706	W-707	W-708	W-709	W-710	W-711	W-712	W-713	W-714	W-715	W-716	W-717	W-718	W-719	W-720	W-721	W-722	W-723	W-724	W-725	W-726	W-727	W-728	W-729	W-730	W-731	W-732	W-733	W-734	W-735	W-736	W-737	W-738	W-739	W-740	W-741	W-742	W-743	W-744	W-745	W-746	W-747	W-748	W-749	W-750	W-751	W-752	W-753	W-754	W-755	W-756	W-757	W-758	W-759	W-760	W-761	W-762	W-763	W-764	W-765	W-766	W-767	W-768	W-769	W-770	W-771	W-772	W-773	W-774	W-775	W-776	W-777	W-778	W-779	W-780	W-781	W-782	W-783	W-784	W-785	W-786	W-787	W-788	W-789	W-790	W-791	W-792	W-793	W-794	W-795	W-796	W-797	W-798	W-799	W-800	W-801	W-802	W-803	W-804	W-805	W-806	W-807	W-808	W-809	W-810	W-811	W-812	W-813	W-814	W-815	W-816	W-817	W-818	W-819	W-820	W-821	W-822	W-823	W-824	W-825	W-826	W-827	W-828	W-829	W-830	W-831	W-832	W-833	W-834	W-835	W-836	W-837	W-838	W-839	W-840	W-841	W-842	W-843	W-844	W-845	W-846	W-847	W-848	W-849	W-850	W-851	W-852	W-853	W-854	W-855	W-856	W-857	W-858	W-859	W-860	W-861	W-862	W-863	W-864	W-865	W-866	W-867	W-868	W-869	W-870	W-871	W-872	W-873	W-874	W-875	W-876	W-877	W-878	W-879	W-880	W-881	W-882	W-883	W-884	W-885	W-886	W-887	W-888	W-889	W-890	W-891	W-892	W-893	W-894	W-895	W-896	W-897	W-898	W-899	W-900	W-901	W-902	W-903	W-904	W-905	W-906	W-907	W-908	W-909	W-910	W-911	W-912	W-913	W-914	W-915	W-916	W-917	W-918	W-919	W-920	W-921	W-922	W-923	W-924	W-925	W-926	W-927	W-928	W-929	W-930	W-931	W-932	W-933	W-934	W-935	W-936	W-937	W-938	W-939	W-940	W-941	W-942	W-943	W-944	W-945	W-946	W-947	W-948	W-949	W-950	W-951	W-952	W-953	W-954	W-955	W-956	W-957	W-958	W-959	W-960	W-961	W-962	W-963	W-964	W-965	W-966	W-967	W-968	W-969	W-970	W-971	W-972	W-973	W-974	W-975	W-976	W-977	W-978	W-979	W-980	W-981	W-982	W-983	W-984	W-985	W-986	W-987	W-988	W-989	W-990	W-991	W-992	W-993	W-994	W-995	W-996	W-997	W-998	W-999	W-1000	W-1001	W-1002	W-1003	W-1004	W-1005	W-1006	W-1007	W-1008	W-1009	W-1010	W-1011	W-1012	W-1013	W-1014	W-1015	W-1016	W-1017	W-1018	W-1019	W-1020	W-1021	W-1022	W-1023	W-1024	W-1025	W-1026	W-1027	W-1028	W-1029	W-1030	W-1031	W-1032	W-1033	W-1034	W-1035	W-1036	W-1037	W-1038	W-1039	W-1040	W-1041	W-1042	W-1043	W-1044	W-1045	W-1046	W-1047	W-1048	W-1049	W-1050	W-1051	W-1052	W-1053	W-1054	W-1055	W-1056	W-1057	W-1058	W-1059	W-1060	W-1061	W-1062	W-1063	W-1064	W-1065	W-1066	W-1067	W-1068	W-1069	W-1070	W-1071	W-1072	W-1073	W-1074	W-1075	W-1076	W-1077	W-1078	W-1079	W-1080	W-1081	W-1082	W-1083	W-1084	W-1085	W-1086	W-1087	W-1088	W-1089	W-1090	W-1091	W-1092	W-1093	W-1094	W-1095	W-1096	W-1097	W-1098	W-1099	W-1100	W-1101	W-1102	W-1103	W-1104	W-1105	W-1106	W-1107	W-1108	W-1109	W-1110	W-1111	W-1112	W-1113	W-1114	W-1115	W-1116	W-1117	W-1118	W-1119	W-1120	W-1121	W-1122	W-1123	W-1124	W-1125	W-1126	W-1127	W-1128	W-1129	W-1130	W-1131	W-1132	W-1133	W-1134	W-1135	W-1136	W-1137	W-1138	W-1139	W-1140	W-1141	W-1142	W-1143	W-1144	W-1145	W-1146	W-1147	W-1148	W-1149	W-1150	W-1151	W-1152	W-1153	W-1154	W-1155	W-1156	W-1157	W-1158	W-1159	W-1160	W-1161	W-1162	W-1163	W-1164	W-1165	W-1166	W-1167	W-1168	W-1169	W-1170	W-1171	W-1172	W-1173	W-1174	W-1175	W-1176	W-1177	W-1178	W-1179	W-1180	W-1181	W-1182	W-1183	W-1184	W-1185	W-1186	W-1187	W-1188	W-1189	W-1190	W-1191	W-1192	W-1193	W-1194	W-1195	W-1196	W-1197	W-1198	W-1199	W-1200	W-1201	W-1202	W-1203	W-1204	W-1205	W-1206	W-1207	W-1208	W-1209	W-1210	W-1211	W-1212	W-1213	W-1214	W-1215	W-1216	W-1217	W-1218	W-1219	W-1220	W-1221	W-1222	W-1223	W-1224	W-1225	W-1226	W-1227	W-1228	W-1229	W-1230	W-1231	W-1232	W-1233	W-1234	W-1235	W-1236	W-1237	W-1238	
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Notes:
 µg/L = micrograms per liter.
 ng/L = nanograms per liter.
 Highlighted cells exceed corresponding NYSDEC Class CA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
 J - Indicates an estimated value.
 J+ - Indicates an estimated value, but the result may be biased high
 D - Value obtained from a dilution
 ND - Not detected.
 U - The compound was not detected above the listed quantitation limit.

Analyte	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Location ID:		Date Collected:	Units																						
Detected VOCs																											
1,1,1-Trichloroethane	5	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
1,1,2-Trichloroethane	1	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
1,1-Dichloroethane	5	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
1,1-Dichloroethane	5	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
1,2,4-Trimethylbenzene	5	µg/l	NA	NA	NA	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
1,2-Dichlorobenzene	3	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
1,2-Dichlorobenzene	0.6	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
1,4-Dioxane	--	µg/l	50 UJ	50 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
2-Butanone (MEK)	50	µg/l	20 U	20 U	1.8 J	1.7 J	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U					
Acetone	50	µg/l	4.0 J	50 U	50 UJ	50 UJ	3.8 J	2.7 J	2.7 J	5.1 J	5.1 J	5.1 J	5.1 J	5.1 J	5.1 J	5.1 J	5.1 J	5.1 J	5.1 J	5.1 J	5.1 J	5.1 J					
Benzene	1	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
Bromodichloromethane	50	µg/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U					
Carbon Disulfide	60	µg/l	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U					
Chlorodibromomethane	50	µg/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U					
Chloroethane	5	µg/l	0.51 J	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U					
Chloroform	7	µg/l	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U					
Chloromethane	5	µg/l	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U					
cis-1,2-Dichloroethene	5	µg/l	0.58 J	0.68 J	1U	0.53 J	0.44 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J	0.97 J					
Cyclohexane	--	µg/l	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U					
Dichloromethane	5	µg/l	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U					
Diethyl ether	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Diisopropyl ether	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Ethylbenzene	5	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
Isopropylbenzene	5	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
m&p-Xylenes	5	µg/l	NA	NA	NA	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U					
Methyl Acetate	--	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U					
Methylcyclohexane	--	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
Methyl-tert-butyl ether	10	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
o-Xylene	5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
tert-Butylbenzene	5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Tetrachloroethene	5	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
Tetrahydrofuran	50	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
Toluene	5	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
Total Xylenes	5	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
trans-1,2-Dichloroethene	5	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
trans-1,3-Dichloropropene	0.4	µg/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U						
Trichloroethene	5	µg/l	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U					
Vinyl chloride	2	µg/l	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U					
Total VOCs	--	µg/l	5.09 J	0.68 J	1.8 J	2.53 J	4.42 J	4.37 J	5.3	1.5	12.01 J	2.17 J	5.32 J	1.47 J	5.27 J	1.6 J	7	5.16 J	1.4674	693	216	521					
Dissolved Gases																											
Ethane	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Ethene	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Methane	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Detected PFAs and PFOS																											
		NYSDEC Maximum Contaminant Levels (MCL)																									
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorobutane sulfonic acid (PFBS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorobutanoic acid (PFBA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorodecanoic acid (PFDA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorooctane sulfonic acid (PFHxS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorooctanoic acid (PFHxA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorohexane sulfonic acid (PFHxS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorohexanoic acid (PFHxA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorononane sulfonic acid (PFNS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorononanoic acid (PFNA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorodecanoic acid (PFDA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorododecanoic acid (PFHxS)	10	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluorooctanoic acid (PFHxA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluoropentanoic acid (PFPeA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Perfluoroundecanoic acid (PFUdA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Total Perfluoroalkylated substances (PFASs)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
Total Suspended Solids	--	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					

Notes:
µg/L - micrograms per liter.
ng/L - nanograms per liter.
Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
J - Indicates an estimated value, but the result may be biased high
D - Value obtained from a dilution
ND - Not detected.
U - The compound was not detected above the listed quantitation limit.

Analyte	Location ID: Date Collected		NYSDEC TOGS 1.1.1 (GA GROUNDWATER)																			
	Units		MW-4-R 6/7/2023	MW-4-R 9/27/2023	MW-4-R 4/12/2024	MW-4-R 6/4/2024	MW-4-R 8/23/2024	MW-2 9/17/2012	MW-2 10/20/2015	MW-2 1/23/2016	MW-2 12/10/2019	MW-2 3/21/2023	MW-2 6/7/2023	MW-2 9/15/2023	MW-2 4/2/2024	MW-2 6/4/2024	MW-2 8/29/2024	MW-5 10/20/2012				
Detected VOCs	5	µg/l	1 U [1 U]	1 U	1 U	1 U [1 U]	1 U [1 U]	1 U [1 U]	ND	ND	ND	0.17 U	1 U	1 U [NA]	1 U	1 U	1 U	ND				
	1	µg/l	1.1 [1.1]	1.1	1.0	1.0 [1.1]	1.0 [1.1]	0.70 J [0.71 J]	ND	ND	ND	0.18 U	1 U	1 U [NA]	1 U	1 U	1 U	ND				
	1	µg/l	1.1 [1.1]	1.0	0.46 J	1.0 [0.98 J]	0.70 J [0.71 J]	ND	ND	ND	ND	0.14 U	1 U	1 U [NA]	1 U	1 U	1 U	ND				
	5	µg/l	1 U [1 U]	1 U	1 U	1 U [1 U]	1 U [1 U]	1 U [1 U]	NA	NA	NA	0.14 U	1 U	1 U [NA]	1 U	1 U	1 U	NA				
	12.4-Trimethylbenzene	µg/l	NA	NA	1 U	1 U [1 U]	1 U [1 U]	1 U [1 U]	NA	NA	NA	0.2 U	1 U	NA	1 U	1 U	1 U	NA				
	1,2-Dichlorobenzene	µg/l	1 U [1 U]	1 U	1 U	1 U [1 U]	1 U [1 U]	1 U [1 U]	ND	ND	ND	0.12 U	1 U	1 U [NA]	1 U	1 U	1 U	ND				
	1,2-Dichloroethane	0.6	µg/l	1 U [1 U]	1 U	1 U	1 U [1 U]	1 U [1 U]	ND	ND	ND	0.31 U	1 U	1 U [NA]	1 U	1 U	1 U	ND				
	1,4-Dioxane	µg/l	50 U [50 U]	50 U	NA	NA	NA	NA	NA	NA	NA	21 U	50 U	50 U [NA]	NA	NA	NA	NA				
	2-Buranone (MEK)	50	µg/l	20 U [20 U]	20 U	17 J	20 U [20 U]	20 U [20 U]	ND	ND	ND	1.6 U	20 U	20 U [NA]	15 J	20 U	20 U	ND				
	Acetone	50	µg/l	50 U [50 U]	50 U	7.6 J	50 U [50 U]	27 J [26.4 J]	ND	ND	ND	2 U	50 U	50 U	23 J [NA]	50 U	26 J	ND				
	Benzene	1	µg/l	1 U [1 U]	1 U	1 U	1 U [1 U]	3.5 J [3.4 J]	ND	ND	ND	0.2 U	1 U	1 U	1 U [NA]	1 U	1 U	ND				
	Bromodichloromethane	50	µg/l	0.5 U [0.5 U]	0.5 U	0.5 U	0.5 U [0.5 U]	0.5 U [0.5 U]	ND	ND	ND	0.70	0.30 J	0.5 U	0.5 U [NA]	0.5 U	0.5 U	ND				
	Carbon Disulfide	60	µg/l	5 U [5 U]	5 U	5 U	5 U [5 U]	5 U [5 U]	ND	ND	ND	1.4 U	5 U	5 U	5 U [NA]	5 U	5 U	ND				
	Chlorodibromomethane	50	µg/l	0.5 U [0.5 U]	0.5 U	0.5 U	0.5 U [0.5 U]	0.5 U [0.5 U]	ND	ND	ND	0.33 J	0.5 U	0.5 U	0.5 U [NA]	0.5 U	0.5 U	ND				
	Chloroethane	5	µg/l	2 U [0.35 J]	2 U	2 U	2 U [2 U]	2 U [2 U]	ND	ND	ND	0.32 U	2 U	2 U	2 U [NA]	2 U	2 U	ND				
	Chloroform	7	µg/l	2 U [2 U]	2 U	2 U	2 U [2 U]	2 U [2 U]	0.4	0.4	0.7	0.17 U	0.59 J	0.55 J	0.30 J [NA]	2 U	2 U	ND				
	Chloromethane	5	µg/l	2 U [2 U]	2 U	2 U	2 U [2 U]	2 U [2 U]	ND	ND	ND	0.52 U	2 U	2 U [NA]	2 U	2 U	2 U	ND				
	cis-1,2-Dichloroethene	5	µg/l	34 [31]	24 J	50	20 [20]	37 [37]	7.4	3.6	6.2	0.63 J	0.66 J	1.1	0.97 J [NA]	1.0	1.1	2.3	ND			
	Cyclohexane	--	µg/l	5 U [5 U]	5 U	5 U	5 U [5 U]	5 U [5 U]	5 U [5 U]	ND	ND	ND	0.23 U	5 U	5 U [NA]	5 U	5 U	0.6	0.8			
	Dichloromethane	--	µg/l	5 U [5 U]	5 U	5 U	5 U [5 U]	5 U [5 U]	5 U [5 U]	ND	ND	ND	0.18 U	2 U	NA	NA	NA	NA	ND			
	Diethyl ether	--	µg/l	NA	NA	0.5 U	NA	NA	NA	NA	NA	0.13 U	0.5 U	NA	NA	NA	NA	NA	ND			
	Diisopropyl ether	5	µg/l	1 U [1 U]	1 U	1 U	1 U [1 U]	0.19 J [0.17 J]	ND	ND	ND	0.21 U	1 U	1 U	1 U [NA]	1 U	1 U	1 U	ND			
	Ethylbenzene	5	µg/l	1 U [1 U]	1 U	1 U	2 U [2 U]	1 U [1 U]	ND	ND	ND	0.11 U	1 U	1 U	1 U [NA]	1 U	2 U	2 U	ND			
m,p-Xylenes	--	µg/l	NA	NA	2 U	2 U [2 U]	0.25 J [2 U]	NA	NA	NA	0.46 U	2 U	NA	NA	2 U	2 U	NA	ND				
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/l	1 U [1 U]	10 U	1 U	10 U [10 U]	1 U [1 U]	ND	ND	ND	0.45 U	1 U	1 U	1 U [NA]	1 U	1 U	1 U	ND				
Methylcyclohexane	--	µg/l	10 U [10 U]	10 U	1 U	10 U [10 U]	10 U [10 U]	ND	ND	ND	0.24 U	1 U	1 U	1 U [NA]	1 U	10 U	10 U	ND				
Methyl-tert-butylether	10	µg/l	1 U [1 U]	1 U	1 U	2 U [2 U]	1 U [1 U]	2.8 [2.8]	ND	ND	0.24 U	1 U	1 U	1 U [NA]	1 U	1 U	1 U	ND				
o-Xylene	5	µg/l	NA	NA	1 U	1 U [1 U]	0.34 J [0.35 J]	NA	NA	NA	0.23 U	1 U	1 U	1 U [NA]	1 U	1 U	1 U	NA				
tert-Butylbenzene	5	µg/l	NA	NA	1 U	1 U [1 U]	1 U [1 U]	NA	NA	NA	0.13 U	1 U	NA	NA	1 U	1 U	NA	NA				
Tetrachloroethene	5	µg/l	12 [13]	0.79 J	0.95 J	12 [14]	2.0 [1.9]	50	110	48	37	30	15	12	16 [NA]	13	14	15	12			
Tetrahydrofuran	50	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	0.49 U	10 U	NA	NA	NA	NA	NA	NA	NA			
Toluene	5	µg/l	1 U [1 U]	1 U	0.21 J	0.12 J [1 U]	1 U [1 U]	ND	ND	ND	0.22 U	1 U	1 U	1 U [NA]	1 U	1 U	1 U	ND	ND			
Total Xylenes	5	µg/l	1 U [1 U]	1 U	1 U	1 U [1 U]	1 U [1 U]	ND	ND	ND	0.17 U	1 U	1 U	1 U [NA]	1 U	1 U	1 U	ND	ND			
trans-1,2-Dichloroethene	5	µg/l	0.63 J [0.59 J]	1 U	0.63 J	0.43 J [0.53 J]	0.64 J [0.62 J]	ND	ND	ND	0.17 U	1 U	1 U	1 U [NA]	1 U	1 U	1 U	ND	ND			
trans-1,3-Dichloropropene	0.4	µg/l	0.5 U [0.5 U]	0.5 U	0.5 U	0.5 U [0.5 U]	0.5 U [0.5 U]	ND	ND	ND	0.17 U	0.5 U	0.5 U	0.5 U [NA]	0.5 U	0.5 U	0.5 U	ND	ND			
Trichloroethene	5	µg/l	8.6 [8.3]	4.1	4.8	6.3 [6.6]	5.2 [5.2]	6.1	6.6	1.6	7.2	4.1	1.8	1.6 [NA]	1.1	0.51 J	1.9	3.2	ND			
Vinyl chloride	2	µg/l	13 [13]	11 J	15	9.1 [9.2]	13 [12]	11	11	ND	0.21 U	2 U	2 U	2 U [NA]	2 U	2 U	2 U	ND	ND			
Total VOCs	--	µg/l	69.53 J [67.44 J]	37.89 J	81.35 J	49.18 J [51.55 J]	67.73 J [66.4 J]	65	121	50	37	18.46 J	13.45 J	14.73 J	21.37 J	24.3 J	15.51 J	20.6 J	18	0.8		
Dissolved Gases																						
	Ethane	--	µg/l	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Ethene	--	µg/l	NA	NA	NA	NA	NA	ND	NA	NA	3 U	NA	NA	NA	NA	NA	NA	NA	NA		
Methane	--	µg/l	NA	NA	NA	NA	NA	76	NA	NA	8.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Detected PFAs and PFOS	NYSDEC Maximum Contaminant Levels (MCL)																					
		N-Ethyl perfluorooctane sulfonamideacetic acid (EFOSSA)	--	ng/l	7.5 [7.7]	NA	NA	8.3 [6.8]	7.3 [7.2]	NA	NA	NA	NA	NA	0.99 U	0.89 U [0.88 U]	NA	0.9 U	0.96 U	NA	NA	
		N-Methylperfluorooctane sulfonamideacetic acid (MeFOSSA)	--	ng/l	0.69 [1.1]	NA	NA	1 J [1.1]	1.4 [1.2]	NA	NA	NA	NA	NA	0.99 U	0.89 U [0.88 U]	NA	0.9 U	0.96 U	NA	NA	
		Perfluorobutane sulfonic acid (PFBS)	--	ng/l	4.9 [4.3]	NA	NA	5 [4.9]	5 [4.9]	NA	NA	NA	NA	NA	3.5	4.1 J [3.8 J]	NA	3	4.9	NA	NA	
		Perfluorobutanoic acid (PFBA)	--	ng/l	8.2 [8.7 J4]	NA	NA	11 [10]	8.2 [8.1]	NA	NA	NA	NA	NA	6.9 J [6.8 J]	NA	7	8.8	NA	NA	NA	
		Perfluorooctanoic acid (PFOD) (PFHpS)	--	ng/l	3.2 [4.1]	NA	NA	8.5 [8.9]	8.2 [8.5]	NA	NA	NA	NA	NA	0.99 U	0.89 U [0.88 U]	NA	0.41 J	0.8 J	NA	NA	
		Perfluorooctanoic acid (PFHpA)	--	ng/l	13 [14]	NA	NA	43 [3.5]	3.9 [4.5]	NA	NA	NA	NA	NA	0.42 J	0.56 J [0.55 J]	NA	0.5 J	0.8 J	NA	NA	
		Perfluorooctane sulfonic acid (PFHxS)	--	ng/l	9.8 [10]	NA	NA	27 [16]	28 [26 J]	NA	NA	NA	NA	NA	NA	NA	9.3	10 [9.5]	NA	4.5	NA	NA
		Perfluorooctane sulfonic acid (PFHxA)	--	ng/l	18 [19]	NA	NA	9.5 [9.2]	9 [8.9 J]	NA	NA	NA	NA	NA	5.2 J	6 [5.8]	NA	6.5	6.9	NA	NA	
		Perfluorooctane sulfonic acid (PFHxS)	--	ng/l	23 [22]	NA	NA	23 [22]	46 [46 J]	NA	NA	NA	NA	NA	24	22 [23]	NA	25	44	NA	NA	NA
		Perfluorooctane sulfonic acid (PFHxS)	--	ng/l	0.85 U [0.98 U]	NA	NA	1 U [1.2 J]	0.92 U [0.95 U]	NA	NA	NA	NA	NA	NA	0.98 U	0.89 U [0.88 U]	NA	0.96 U	0.96 U	NA	NA
		Perfluorooctane sulfonic acid (PFNA)	--	ng/l	6.7 [8.5]	NA	NA	8.2 [8.5]	9.1 [9 J]	NA	NA	NA	NA	NA	1.6 J	2.4 [2.2]	NA	1.3	1.1	NA	NA	NA
		Perfluorodecane sulfonamide (PFOSA)	--	ng/l	5.3 J [0.98 U]	NA	NA	4.9 J [4.4 J]	5.3 J [0.95 U]	NA	NA	NA	NA	NA	0.99 U	0.89 U [0.88 U]	NA	0.9 U	0.96 U	NA	NA	
		Perfluorodecane sulfonic acid (PFDS)	10	ng/l	520 D [610 D]	NA	NA	600 [580]	630 [640]	NA	NA	NA	NA	NA	32 J	35 [36]	NA	33	34	NA	NA	NA
		Perfluorodecane sulfonic acid (PFDA)	10	ng/l	65 [67]	NA	NA	87 J [87 J]	87 J [87 J]	NA	NA	NA	NA	NA	19 J	22 [23]	NA	12	12	NA	NA	NA
Perfluorodecane sulfonic acid (PFPeSA)	--	ng/l	2.1 [2.7]	NA	NA	3.8 [3.3]	3 [2.5]	NA	NA	NA	NA	NA	1.2	1.6 [1.8]	NA	1.5	2.5	NA	NA	NA		
Perfluorodecane sulfonic acid (PFPeSA)	--	ng/l	25 [26 J]	NA	NA	29 [30 J]	82 [80 J]	NA	NA	NA	NA	NA	44	38 [38 J]	NA	9.1	10	NA	NA	NA		
Perfluorodecane sulfonic acid (PFPeSA)	--	ng/l	0.26 J [0.98 U]	NA	NA	0.27 J [0.3 J]	0.3 J [0.95 U]	NA	NA	NA	NA	NA	0.99 U	0.89 U [0.88 U]	NA	0.9 U	0.96 U	NA	NA			
Total Perfluorooctanoic acid (PFPeSA)	--	ng/l	30 [32]	NA	NA	0.00004 [0.000068]	32 [28 J]	NA	NA	NA	NA	NA	10 U	42 [34]	NA	NA	10 U	NA	NA	NA		
Total Suspended Solids	--	mg/L																				

Notes:
 µg/L = micrograms per liter.
 ng/L = nanograms per liter.
 Highlighted cells exceed corresponding NYSDEC Class CA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
 J - Indicates an estimated value.
 J+ - Indicates an estimated value, but the result may be biased high
 D - Value obtained from a dilution
 ND = Not detected.
 U - The compound was not detected above the listed quantitation limit.

[illegible]

Notes:

- µg/L - micrograms per liter.
- ng/L - nanograms per liter.
- Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
- J - Indicates an estimated value.
- J+ - Indicates an estimated value, but the result may be biased high
- D - Value obtained from a dilution
- ND - Not detected.
- U - The compound was not detected above the listed quantitation limit.

Analyte	NYSDEC TOCS 1.1.1 (GA GROUNDWATER)	Location ID- Date Collected	MW-3																				MW-4																				MW-5																				MW-6																				MW-7																				MW-8																				MW-9																				MW-10																				MW-11																				MW-12																				MW-13																				MW-14																				MW-15																				MW-16																				MW-17																				MW-18																				MW-19																				MW-20																				MW-21																				MW-22																				MW-23																				MW-24																				MW-25																				MW-26																				MW-27																				MW-28																				MW-29																				MW-30																				MW-31																				MW-32																				MW-33																				MW-34																				MW-35																				MW-36																				MW-37																				MW-38																				MW-39																				MW-40																				MW-41																				MW-42																				MW-43																				MW-44																				MW-45																				MW-46																				MW-47																				MW-48																				MW-49																				MW-50																				MW-51																				MW-52																				MW-53																				MW-54																				MW-55																				MW-56																				MW-57																				MW-58																				MW-59																				MW-60																				MW-61																				MW-62																				MW-63																				MW-64																				MW-65																				MW-66																				MW-67																				MW-68																				MW-69																				MW-70																				MW-71																				MW-72																				MW-73																				MW-74																				MW-75																				MW-76																				MW-77																				MW-78																				MW-79																				MW-80																				MW-81																				MW-82																				MW-83																				MW-84																				MW-85																				MW-86																				MW-87																				MW-88																				MW-89																				MW-90																				MW-91																				MW-92																				MW-93																				MW-94																				MW-95																				MW-96																				MW-97																				MW-98																				MW-99																				MW-100																				MW-101																				MW-102																				MW-103																				MW-104																				MW-105																				MW-106																				MW-107																				MW-108																				MW-109																				MW-110																				MW-111																				MW-112																				MW-113																				MW-114																				MW-115																				MW-116																				MW-117																				MW-118																				MW-119																				MW-120																				MW-121																				MW-122																				MW-123																				MW-124																				MW-125																				MW-126																				MW-127																				MW-128																				MW-129																				MW-130																				MW-131																				MW-132																				MW-133																				MW-134																				MW-135																				MW-136																				MW-137																				MW-138																				MW-139																				MW-140																				MW-141																				MW-142																				MW-143																				MW-144																				MW-145																				MW-146																				MW-147																				MW-148																				MW-149																				MW-150																				MW-151																				MW-152																				MW-153																				MW-154														
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 | | | MW-761 | MW-762 | MW-763 | MW-764 | MW-765 | MW-766 | MW-767 | MW-768 | MW-769 | MW-770 | MW-771 | MW-772 | MW-773 | MW-774 | MW-775 | MW-776 | MW-777 | MW-778 | MW-779 | MW-780 | MW-781 | MW-782 | MW-783 | MW-784 | MW-785 | MW-786 | MW-787 | MW-788 | MW-789 | MW-790 | MW-791 | MW-792 | MW-793 | MW-794 | MW-795 | MW-796 | MW-797 | MW-798 | MW-799 | MW-800 | MW-801 | MW-802 | MW-803 | MW-804 | MW-805 | MW-806 | MW-807 | MW-808 | MW-809 | MW-810 | MW-811 | MW-812 | MW-813 | MW-814 | MW-815 | MW-816 | MW-817 | MW-818 | MW-819 | MW-820 | MW-821 | MW-822 | MW-823 | MW-824 | MW-825 | MW-826 | MW-827 | MW-828 | MW-829 | MW-830 | MW-831 | MW-832 | MW-833 | MW-834 | MW-835 | MW-836 | MW-837 | MW-838 | MW-839 | MW-840 | MW-841 | MW-842 | MW-843 | MW-844 | MW-845 | MW-846 | MW-847 | MW-848 | MW-849 | MW-850 | MW-851 | MW-852 | MW-853 | MW-854 | MW-855 | MW-856 | MW-857 | MW-858 | MW-859 | MW-860 | MW-861 | MW-862 | MW-863 | MW-864 | MW-865 | MW-866 | MW-867 | MW-868 | MW-869 | MW-870 | MW-871 | MW-872 | MW-873 | MW-874 | MW-875 | MW-876 | MW-877 | MW-878 | MW-879 | MW-880 | MW-881 | MW-882 | MW-883 | MW-884 | MW-885 | MW-886 | MW-887 | MW-888 | MW-889 | MW-890</ | | | | | | | | | | | | | | | | | | | |
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Notes:

- µg/L - micrograms per liter.
- ng/L - nanograms per liter.
- Highlighted cells exceed corresponding NYSDEC Class CA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA).
- J - Indicates an estimated value.
- J+ - Indicates an estimated value, but the result may be biased high
- D - Value obtained from a dilution
- ND - Not detected.
- U - The compound was not detected above the listed quantitation limit.

Table 3
Summary of Groundwater Sampling Results
2024 Q3 Sampling
Brewerton Jack's Cleaners RA

Site No. 734112

Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024																Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date Collected: 8/28/2024		Location ID: Date 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Notes:
ug/L - micrograms per liter.
ng/L - nanograms per liter.
Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
J - Indicates an estimated value, but the result may be biased high
D - Value obtained from a dilution
ND - Not detected.
U - The compound was not detected above the listed quantitation limit.

Analyte	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Location ID:		Date Collected:		Units																					
Detected VOCs																											
1,1,1-Trichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
1,1,2-Trichloroethane	1	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
1,1-Dichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
1,1-Dichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
1,2,4-Trimethylbenzene	5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
1,2-Dichlorobenzene	3	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
1,2-Dichloroethane	0.6	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
1,4-Dioxane	1	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
2-Butanone (MEK)	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Acetone	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Benzene	1	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Bromodichloromethane	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Carbon Disulfide	60	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Chlorodibromomethane	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Chloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Chloroform	7	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Chloromethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
cis-1,2-Dichloroethene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Cyclohexane	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Dichloromethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Diethyl ether	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Diisopropyl ether	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Ethylbenzene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Isopropylbenzene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
m&p-Xylenes	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Methyl Acetate	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Methylcyclohexane	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Methyl-tert-Butyl ether	10	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
o-Xylene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
tert-Butylbenzene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Tetrachloroethene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Tetrahydrofuran	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Toluene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Total Xylenes	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
trans-1,2-Dichloroethene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
trans-1,3-Dichloropropene	0.4	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Trichloroethene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Vinyl chloride	2	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Total VOCs	--	µg/l	0 U	0 U	3.5	4.6	3.17 J	2.22 J	NA	2049	1680	2514	10	149	36.61 J	29.86 J	17.75 J	40.1 J	26.92 J	45.01 J	15356	8600	4857				
Dissolved Gases																											
Ethane	--	µg/l	NA	NA	NA	NA	ND	72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Ethene	--	µg/l	NA	NA	NA	NA	30	3.4 J	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Methane	--	µg/l	NA	NA	NA	NA	4500	4600	NA	56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Detected PFAs and PFOS																											
		NYSDEC Maximum Contaminant Levels (MCL)																									
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorobutane sulfonic acid (PFBS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorobutanoic acid (PFBA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorodecanoic acid (PFDA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorododecanoic acid (PFHxS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorooctanoic acid (PFHxA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorooctane sulfonic acid (PFHxS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorooctanoic acid (PFHxA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorononanoic acid (PFNS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorononanoic acid (PFNA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorodecanoic acid (PFDA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorododecanoic acid (PFOS)	10	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluorooctanoic acid (PFHxA)	10	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluoropentanoic acid (PFPeSA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluoropentanoic acid (PFPeSA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Perfluoroundecanoic acid (PFUdA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Total Perfluoroalkylated substances (PFASs)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
Total Suspended Solids	--	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				

Notes:
µg/L - micrograms per liter.
ng/L - nanograms per liter.
Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
J - Indicates an estimated value, but the result may be biased high
D - Value obtained from a dilution
U - Not detected.
The compound was not detected above the listed quantitation limit.

Analyte	Location ID		Date Collected		NYSDEC TOGS 1.1.1		Units																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	(GA GROUNDWATER)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Detected VOCs	1,1,1-Trichloroethane	5	µg/l																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

Notes:

- µg/L - micrograms per liter.
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- Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
- J - Indicates an estimated value.
- J+ - Indicates an estimated value, but the result may be biased high
- D - Value obtained from a dilution
- ND - Not detected.
- U - The compound was not detected above the listed quantitation limit.

Table 3
Summary of Groundwater Sampling Results
2024 Q3 Sampling
Brewerton Jack's Cleaners RA

Analyte	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Location ID: MW-14BR Date Collected: 9/20/2012 10/20/2012 11/29/2019 7/23/2019 12/11/2019 11/29/2022 3/21/2023 6/26/2023 9/27/2023 4/12/2024 6/17/2024 8/28/2024 10/19/2025 11/30/2025 12/12/2019 1/6/2017 7/24/2019 11/6/2023 3/21/2023 6/26/2023 9/27/2023 4/12/2024																	
		Units																	
Detected VOCs																			
1,1,1-Trichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-Trichloroethane	1	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	1U	1U	1U	1U	1U
1,2,4-Trimethylbenzene	5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichlorobenzene	3	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	0.6	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	1U	1U	1U	1U	1U
1,4-Dioxane	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Butanone (MEK)	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Acetone	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3 J	4.3 J	4.5 J	4.5 J	5.5 J	5.5 J	5.5 J	5.5 J
Benzene	1	µg/l	2.1	2	3.1	ND	ND	ND	ND	ND	ND	0.24 J	0.24 J	0.49 J	0.49 J	0.15 J	1.1 U	1U	1U
Bromodichloromethane	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18 U	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	60	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 U	1.4 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22 U	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17 U	0.17 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloromethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52 U	0.52 U	2 U	2 U	2 U	2 U	2 U	2 U
Cis-1,2-Dichloroethene	5	µg/l	100	88	780	120	78	3.2	0.68 J	1.5 J	0.92 J	0.39 J	0.39 J	0.67 J	0.59 J	0.59 J	0.59 J	0.59 J	0.59 J
Cyclohexane	--	µg/l	1.5	1.1	1.3	ND	ND	ND	ND	ND	ND	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloromethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 U	0.23 U	3 U	3 U	3 U	3 U	3 U	3 U
Diethyl ether	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13 U	0.13 U	NA	0.3 U	NA	NA	NA	NA
Diisopropyl ether	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.21 U	0.21 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11 U	0.11 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46 U	0.46 U	1 U	1 U	2 U	2 U	2 U	2 U
m&p-Xylenes	5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.45 U	0.45 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 U	1.1 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24 U	0.24 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17 U	0.17 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl-tert-Butyl ether	10	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 U	0.23 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13 U	0.13 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	µg/l	190	190	17	14	ND	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49 U	0.49 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrahydrofuran	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22 U	0.22 U	1 U	1 U	0.67 J	1 U	1 U	1 U
Toluene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17 U	0.17 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylenes	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17 U	0.17 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	µg/l	1.7	ND	6.5	ND	ND	0.17 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	µg/l	63	51	260	55	37	0.96 J	0.30 J	0.62 J	0.50 J	1 U	0.36 J	1 U	0.36 J	0.36 J	0.36 J	0.36 J	0.36 J
Trichloroethene	5	µg/l	16	4.8	13	ND	ND	0.59 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	2	µg/l	16	4.8	13	ND	ND	0.59 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total VOCs	--	µg/l	374	337	1081	593	545	9.51 J	1.22 J	1.22 J	1.22 J	6.41 J	6.41 J	8.44 J	6.85 J	3.84 J	3.84 J	3.8 J	4.8 J
Dissolved Gases																			
Ethane	--	µg/l	ND	ND	ND	ND	ND	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	--	µg/l	ND	ND	ND	ND	ND	6.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	--	µg/l	120	ND	ND	ND	7100	8100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected PFAs and PFOS																			
		NYSDEC Maximum Contaminant Levels (MCL)																	
N-Ethyl Perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFHxS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFHxA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFHxS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFHxA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNS)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOSA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOS)	10	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFHxSA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUdA)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Perfluoroalkylated substances (PFASs)	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	--	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
µg/L - micrograms per liter.
ng/L - nanograms per liter.
Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
J - Indicates an estimated value, but the result may be biased high
D - Value obtained from a dilution
ND - Not detected.
U - The compound was not detected above the listed quantitation limit.

Analyte	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)		Location ID: MW-15BR															
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Notes:
µg/L - micrograms per liter.
ng/L - nanograms per liter.
Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
J - Indicates an estimated value, but the result may be biased high
D - Value obtained from a dilution
ND - Not detected.
U - The compound was not detected above the listed quantitation limit.

Analyte	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)		Date Collected:																Units			
	MW-16BR 9/20/2012	MW-16BR 10/19/2015	MW-16BR 1/6/2017	MW-16BR 7/24/2019	MW-16BR 12/12/2019	MW-16BR 12/14/2019	MW-16BR 1/21/2020	MW-16BR 1/21/2020	MW-16BR 3/21/2023	MW-16BR 6/26/2023	MW-16BR 9/27/2023	MW-16BR 4/12/2024	MW-16BR 10/20/2015	MW-17 1/5/2017	MW-17 7/24/2019	MW-17 12/13/2019	MW-17 3/21/2023	MW-17 6/26/2023		MW-17 9/27/2023	MW-17 4/12/2024	MW-17 9/20/2012
Detected VOCs																						
1,1,1-Trichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	ND	ND	ND	ND	ND	1U	1U	ND	
1,1,2-Trichloroethane	1	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	ND	ND	ND	ND	ND	1U	1U	ND	
1,1-Dichloroethane	5	µg/l	0.5	ND	ND	ND	ND	ND	ND	ND	1U	0.17J	1U	ND	ND	ND	ND	ND	1U	1U	ND	
1,1-Dichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	ND	ND	ND	ND	ND	1U	1U	ND	
1,2,4-Trimethylbenzene	3	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.17J	NA	NA	NA	NA	NA	NA	NA	NA	ND	
1,2-Dichlorobenzene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	ND	ND	ND	ND	ND	1U	1U	ND	
1,2-Dichlorobenzene	0.6	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	1U	ND	ND	ND	ND	ND	1U	1U	ND	
1,4-Dioxane	--	µg/l	ND	NA	NA	NA	NA	NA	NA	NA	50U	50U	NA	NA	NA	NA	NA	NA	50U	50U	NA	
2-Butanone (MEK)	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	20U	20U	20U	ND	ND	ND	ND	ND	20U	20U	ND	
Acetone	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	6.2J	36J	50U	ND	ND	ND	ND	ND	4.8J	150U	84J	
Benzene	1	µg/l	3.1	ND	ND	ND	ND	ND	ND	ND	2.0	1.7	0.23J	ND	ND	ND	ND	ND	0.44J	1U	ND	
Bromodichloromethane	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.5U	0.5U	0.5U	ND	ND	ND	ND	ND	0.5U	0.5U	ND	
Carbon Disulfide	60	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	5U	5U	5U	ND	ND	ND	ND	ND	5U	5U	ND	
Chlorodibromomethane	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.5U	0.5U	0.5U	ND	ND	ND	ND	ND	0.5U	0.5U	ND	
Chlorodibromomethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	2U	2U	2U	ND	ND	ND	ND	ND	2U	2U	ND	
Chloroethane	7	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	2U	2U	2U	ND	ND	ND	ND	ND	2U	2U	ND	
Chloroform	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.3	0.52U	2U	2U	ND	ND	ND	ND	0.52U	2U	ND	
Chloromethane	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	1U	1U	0.91J	1U	ND	ND	ND	ND	1U	1U	ND	
cis-1,2-Dichloroethane	--	µg/l	180	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	5U	ND	ND	ND	ND	NA	NA	ND	
Cyclohexane	5	µg/l	2.6	ND	ND	ND	ND	ND	ND	ND	0.23U	3U	3U	5U	ND	ND	ND	ND	3U	5U	ND	
Dichloromethane	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	2U	NA	NA	3U	ND	NA	NA	NA	2U	3U	ND	
Diethyl ether	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	0.18U	0.18U	0.18U	NA	NA	NA	NA	NA	0.18U	0.18U	NA	
Diisopropyl ether	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.13U	0.3U	NA	NA	NA	NA	NA	NA	0.13U	0.3U	NA	
Ethylbenzene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.21U	1U	1U	1U	ND	ND	ND	ND	0.21U	1U	ND	
Isopropylbenzene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.11U	1U	1U	1U	ND	ND	ND	ND	0.11U	1U	ND	
m&p-Xylenes	5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	0.48U	2U	NA	NA	NA	NA	NA	NA	0.48U	2U	NA	
Methyl Acetate	--	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	0.45U	1U	1U	1U	ND	ND	ND	ND	0.45U	1U	ND	
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	1.1U	10U	10U	10U	ND	ND	ND	ND	1.1U	10U	ND	
Methylcyclohexane	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.24U	1U	1U	1U	ND	ND	ND	ND	0.24U	1U	ND	
Methylcyclohexane	10	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.17U	1U	1U	1U	ND	ND	ND	ND	0.17U	1U	ND	
Methyl-tert-butyl ether	5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	0.23U	1U	NA	NA	NA	NA	NA	NA	0.23U	1U	NA	
o-Xylene	5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	0.13U	1U	NA	NA	NA	NA	NA	NA	0.13U	1U	NA	
tert-Butylbenzene	5	µg/l	520	ND	ND	ND	ND	ND	ND	ND	0.19U	1U	1U	1U	ND	ND	ND	ND	0.19U	1U	15	
Tetrachloroethene	50	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.49U	10U	NA	NA	NA	NA	NA	NA	0.49U	10U	NA	
Tetrahydrofuran	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.22U	1U	1U	1U	ND	ND	ND	ND	0.22U	1U	ND	
Toluene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	1U	1U	ND	ND	ND	ND	NA	1U	ND	
Total Xylenes	5	µg/l	1.9	ND	ND	ND	ND	ND	ND	ND	0.17U	1U	1U	1U	ND	ND	ND	ND	0.17U	1U	ND	
trans-1,2-Dichloroethene	5	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.17U	0.5U	0.5U	0.5U	ND	ND	ND	ND	0.17U	0.5U	ND	
trans-1,3-Dichloropropene	0.4	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.17U	1U	1U	1U	ND	ND	ND	ND	0.17U	1U	1.4	
Trichloroethene	5	µg/l	110	ND	ND	ND	ND	ND	ND	ND	0.19U	1U	1U	1U	ND	ND	ND	ND	0.19U	1U	ND	
Vinyl chloride	2	µg/l	23	ND	ND	ND	ND	ND	ND	ND	0.21U	2U	2U	2U	ND	ND	ND	ND	0.21U	2U	ND	
Total VOCs	--	µg/l	841	ND	ND	ND	ND	ND	ND	ND	2.1J	50U	5.6J	278J	ND	ND	ND	ND	2U	50U	16	
Dissolved Gases																						
Ethane	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	NA	2.6U	NA	ND	
Ethene	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND	3U	NA	NA	ND	ND	ND	ND	NA	3U	NA	ND	
Methane	--	µg/l	41	ND	ND	ND	ND	ND	ND	ND	1.2U	NA	NA	ND	ND	ND	ND	NA	1.2U	NA	ND	
Detected PFAs and PFOS																						
		NYSDEC Maximum Contaminant Levels (MCL)																				
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorobutane sulfonic acid (PFBS)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorobutanoic acid (PFBA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorodecanoic acid (PFDA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorododecanoic acid (PFHxS)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorooctanoic acid (PFHxA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorooctane sulfonic acid (PFHxS)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorohexanoic acid (PFHxA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorononane sulfonic acid (PFNS)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorononanoic acid (PFNA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorodecanoic acid (PFDA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorododecanoic acid (PFHxS)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluorooctanoic acid (PFHxA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluoropentanoic acid (PFPeA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Perfluoroundecanoic acid (PFUdA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Perfluoroalkylated substances (PFASs)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Suspended Solids	--	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes:
µg/L - micrograms per liter.
ng/L - nanograms per liter.
Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
J - Indicates an estimated value, but the result may be biased high
D - Value obtained from a dilution
ND - Not detected.
U - The compound was not detected above the listed quantitation limit.

Table 3
Summary of Groundwater Sampling Results
2024 Q3 Sampling
Brewerton Jack's Cleaners RA

Analyte	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)		Location ID: MW-17BR Date Collected: 10/20/2015		MW-17BR 7/24/2019		MW-17BR 12/19/2019		MW-17BR 12/1/2022		MW-17BR 6/06/2023		MW-17BR 9/27/2023		MW-17BR 4/12/2024		EQUIPMENT BLANK-20240323 6/7/2023		EQUIPMENT BLANK-20240605 3/28/2024		EQUIPMENT BLANK-20240605 6/4/2024		EQUIPMENT BLANK-20240605 8/29/2024	
	Units																							
Detected VOCs	1,1,1-Trichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	0.17 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	1	µg/l	ND	ND	ND	ND	ND	ND	0.18 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	0.14 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	0.14 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	5	µg/l	NA	NA	NA	NA	NA	NA	0.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	3	µg/l	ND	ND	ND	ND	ND	ND	0.32 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.8	µg/l	ND	ND	ND	ND	ND	ND	0.31 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	--	µg/l	NA	NA	NA	NA	NA	NA	21 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NA	NA	NA	NA	NA	NA	NA
	2-Butanone (MEK)	50	µg/l	ND	ND	ND	ND	ND	ND	1.6 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA	NA	NA	NA	NA	NA	NA
	Aceatone	50	µg/l	ND	ND	ND	ND	ND	ND	2 U	50 U	3.9 J	50 U	30 U	6.4 J	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
	Benzene	1	µg/l	ND	ND	ND	ND	ND	ND	0.2 U	1 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	60	µg/l	ND	ND	ND	ND	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA
	Carbon Disulfide	50	µg/l	ND	ND	ND	ND	ND	ND	0.8	1.4 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA
	Chlorodibromomethane	50	µg/l	ND	ND	ND	ND	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	0.32 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA
	Chloroform	7	µg/l	ND	ND	ND	ND	ND	ND	0.17 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	5	µg/l	ND	ND	ND	ND	ND	ND	0.52 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethane	5	µg/l	ND	ND	ND	ND	ND	ND	0.15 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
	Cyclohexane	--	µg/l	ND	ND	ND	ND	ND	ND	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA
	Dichloromethane	5	µg/l	ND	ND	ND	ND	ND	ND	0.23 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA
	Diethyl ether	--	µg/l	NA	NA	NA	NA	NA	NA	0.18 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-isopropyl ether	--	µg/l	NA	NA	NA	NA	NA	NA	0.13 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	5	µg/l	ND	ND	ND	ND	ND	ND	0.21 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
Isopropyl/benzene	5	µg/l	ND	ND	ND	ND	ND	ND	0.11 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	
m,p-Xylenes	5	µg/l	ND	NA	NA	NA	NA	NA	0.46 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl Acetate	--	µg/l	ND	ND	ND	ND	ND	ND	0.45 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/l	ND	ND	ND	ND	ND	ND	1.1 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	
Methylcyclohexane	--	µg/l	ND	ND	ND	ND	ND	ND	0.24 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	
Methyl-tert-butylether	10	µg/l	ND	ND	ND	ND	ND	ND	0.17 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	
o-Xylene	5	µg/l	NA	NA	NA	NA	NA	NA	0.23 U	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ter-Butylbenzene	5	µg/l	NA	NA	NA	NA	NA	NA	0.13 U	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	5	µg/l	ND	ND	ND	ND	ND	ND	0.19 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	
Toluene	5	µg/l	ND	ND	ND	ND	ND	ND	0.49 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	5	µg/l	ND	ND	ND	ND	ND	ND	0.22 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	5	µg/l	ND	ND	ND	ND	ND	ND	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	0.4	µg/l	ND	ND	ND	ND	ND	ND	0.17 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	5	µg/l	ND	ND	ND	ND	ND	ND	0.19 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	
Vinyl chloride	2	µg/l	ND	ND	ND	ND	ND	ND	0.21 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	
Total VOCs	--	µg/l	ND	ND	ND	ND	ND	ND	2 U	50 U	4.9 J	50 U	50 U	50 U	50 U	50 U	NA	NA	NA	NA	NA	NA	NA	
Dissolved Gases																								
Ethane	--	µg/l	ND	ND	ND	ND	ND	ND	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	--	µg/l	ND	ND	ND	ND	ND	ND	3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	--	µg/l	ND	ND	ND	ND	ND	ND	1.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Detected PFAs and PFOs	NYSDEC Maximum Contaminant Levels (MCL)																							
	N-Ethyl perfluorooctane sulfonamidobenzoic acid (EFOSAA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.37 J	0.95 U	1 U	1 U	1 U	0.95 U
	N-Methylperfluorooctane sulfonamidobenzoic acid (MeFOSAA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.37 J	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorobutane sulfonic acid (PFBS)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.58 U	0.28 J	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorobutanoic acid (PFBA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.47 J	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorocyclohexane sulfonic acid (PFHxS)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.91 U	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorocyclohexane sulfonic acid (PFHxS)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.68 J	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorocyclohexane sulfonic acid (PFHxS)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.61 J	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorooctane sulfonic acid (PFOS)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	1.0	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorooctanoic acid (PFNA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.50 J	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorooctane sulfonamide (PFOSA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.35 J	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorooctane sulfonic acid (PFOS)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.35 J	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	3.1	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorogentane sulfonic acid (PFPeSA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	3.3	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorogentane sulfonic acid (PFPeSA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.91 U	0.95 U	1 U	1 U	1 U	0.95 U
	Perfluorodecanoic acid (PFDeSA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.18 U	1.5 J	1.9 U	2.1 U	2.1 U	2.1 U	1.9 U
	Perfluoroundecanoic acid (PFUdA)	--	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U	0.91 U	0.95 U	1 U	1 U	1 U	0.95 U
	Total Perfluoroalkylated substances (PFASs)	--	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	NA	NA	10 U

Notes:
 µg/L - micrograms per liter.
 ng/L - nanograms per liter.
 Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or NYSDEC Maximum Contaminant Level (PFOS and PFOA)
 J - Indicates an estimated value.
 J+ - Indicates an estimated value, but the result may be biased high
 D - Value obtained from a dilution
 ND - Not detected.
 U - The compound was not detected above the listed quantitation limit.

Table 4
Proposed Sampling
Brewerton Jack's Cleaners RA

NYSDEC Site No. 734112

Well ID	VOCs	PFAS
	Method 8260	40 compound Method 1633
MW-1R	X	X
MW-2	X	X
MW-5	X	X
MW-7	X	X
MW-8		
MW-9	X	
MW-10		X
MW-10BR	X	
MW-11		
MW-12	X	X
MW-13	X	X
MW-14	X	X
MW-14BR	X	
MW-15		
MW-15BR	X	X
MW-16		
MW-16BR		
MW-17		
MW-17BR		
IW-1		
IW-2		
IW-3		
IW-4		
IW-5		
IW-6		
IW-7		
IW-8		
IW-9		
IW-10		
IW-11		
IW-12		
IW-13		
IW-14	X	
IW-15		
IW-16		
IW-17	X	
IW-18	X	X
IW-19		
IW-20		
IW-21		
IW-22		
IW-23		
IW-24		
IW-25	X	X
IW-26		
IW-27		
IW-28		
IW-29	X	
IW-30		
IW-31	X	X

APPENDIX A

Field Sampling Logs



Low Flow Groundwater Purging and Sampling Form

Page 1 of 1
Date 08/29/2024

Project No. 30135043 Well ID MV-5
Project Name/Location JALR'S Cleaners Brewerton
Measuring Pt. TOC Screen Setting (ft-bmp) 4-14 Casing Diameter (in.) 2"
Static Water Level (ft-bloc) 3.40 Total Depth (ft-bloc) 14.61 Water Column/ Gallons in Well 1.79
MP Elevation 09241010 Pump Intake (ft-bloc) ~13 Purge Method Peristaltic Submersible
Pump On/Off 09241010 Volumes Purged ~9.02 Bladder
Sample Time: Label 1000 Replicate/ Code No. Water Quality Meter Make/Model: YSI
Start 1000
End 1000

Weather X PVC
Well Material SS
Wellhead PID Reading (ppm)
Sample Method Low-Flow
Sampled by JK

Stabilization parameters 3 readings (not req'd by SOP):

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	0.1 pH	3% Cond. (µMhos) (mS/cm)	10% Turbidity (NTU)	(10%) Dissolved Oxygen (mg/L)	3% Temp. (°C) (°F)	(10%) Redox (mV)	Appearance Color Odor
0920	0	2.0	3.40	1.0	7.53	809	98.9	1.48	19.1	-78.4	
0925	5		3.42	2.0	7.37	782	49.8	1.32	19.7	-77.5	
0930	10		3.43	3.0	7.37	752	18.3	1.43	20.1	-80.4	
0935	15		3.43	4.0	7.36	735	11.7	1.30	20.3	-76.5	
0940	20		3.43	5.0	7.36	711	4.17	0.87	20.6	-53.0	
0945	25		3.43	6.0	7.36	701	3.07	0.58	20.8	-38.6	
0950	30		3.43	7.0	7.36	696	2.45	0.44	20.8	-32.2	
0955	35		3.44	8.0	7.36	691	1.87	0.37	20.8	-30.5	
1000	40		3.44	9.0	7.35	685	2.00	0.31	21.0	-31.4	
Approx. value difference b/t 3rd & 2nd to last reading:											
Approx. value difference b/t 2nd to last & final reading:											

Constituents Sampled

Container(s)

Number

Preservative

HCs - 8260
PFAS - 1633

2x 500ml VOA
1x 120ml

3

3

HCL

None

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.5" = 0.09 2.5" = 0.26 3.5" = 0.50 6" = 1.47
1.25" = 0.06 2" = 0.16 3" = 0.37 4" = 0.65

Well Information

Well Location: Brewerton NY
Condition of Well: good
Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No
Well Locked at Departure: Yes / No
Key Number To Well:



Low Flow Groundwater Purging and Sampling Form

Project No.

30135043

Well ID

M4-7

Page 1 of 1

Date

08/28/2024

Project Name/Location

JACK'S Cleaners Brewerton

Weather

70s Sunny

Measuring Pt.

Description

TOC

Screen

Setting (ft-bmp)

9.5-19.5

Casing

Diameter (in.)

2

Well Material

PVC
SS

Static Water

Level (ft-bloc)

3.19

Total Depth (ft-bloc)

18.91

Water Column/

Gallons in Well

2.40

Wellhead PID

Reading (ppm)

MP Elevation

Pump On/Off

1325/1425

Pump Intake (ft-bloc)

~15

Purge Method:

Peristaltic
Submersible
Bladder

Sample

Method

low flow

Sample Time:

Label 1415

Start 1415

End 1425

Replicate/

Code No.

Water Quality

Meter Make/Model

YSI

Sampled by

JH

Stabilization parameters 3 readings (not req'd by SOP)

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged (Liters)	0.1 pH	3% Cond. (µMhos) (mS/cm)	10% Turbidity (NTU)	(10%) Dissolved Oxygen (mg/L)	3% Temp. (°C) (°F)	(10%) Redox (mV)	Appearance Color	Odor
1325	0	2.0	3.19	0	6.92	623.2	20.1	1.83	14.8	-27.9	Colorless	Odorless
1330	5		3.46	1	6.91	606.9	11.34	0.55	14.1	-29.1		
1335	10		3.49	2	6.87	602.8	4.82	0.45	14.0	-29.9		
1340	15		3.44	3	6.85	604.4	5.23	0.43	13.6	-29.8		
1345	20		3.49	4	6.85	602.8	6.70	0.38	13.7	-29.6		
1350	25		3.49	5	6.86	637.2	5.90	0.33	13.5	-29.0		
1355	30		3.49	6	6.87	615.7	7.91	0.31	13.5	-28.0		
1400	35		3.49	7	6.87	601.8	5.13	0.21	13.5	-28.1		
1405	40		3.49	8	6.86	587.7	6.21	0.21	13.6	-28.1		
1410	45		3.44	9	6.86	586.4	2.54	0.25	13.6	-28.1		
1415	50		3.49	10	6.86	588.9	4.38	0.27	13.5	-26.3		

Approx. value difference b/t 3rd & 2nd to last reading:

Approx. value difference b/t 2nd to last & final reading:

Constituents Sampled

VOCs - 8260

PFAS - 1366

Container

3x40 mL VOA

1x120 mL, 2x500 mL

Number

3

3

Preservative

HCl

None

Well Casing Volumes

Gallons/Foot

1" = 0.04

1.25" = 0.06

1.5" = 0.09

2" = 0.16

2.5" = 0.26

3" = 0.37

3.5" = 0.50

4" = 0.65

6" = 1.47

Well Information

Well Location:

Brewerton NY

Well Locked at Arrival:

Yes

/

No

Condition of Well:

Good

Well Locked at Departure:

Yes

/

No

Well Completion:

Flush Mount

/

Stick Up

Key Number To Well:



Low Flow Groundwater Purging and Sampling Form

Page 1 of 1
Date 08/27/2024

Project No 30135043 Well ID MW-10
Project Name/Location JALKS Cleaners Brewerton
Measuring Pt. Screen 7-17 Casing Diameter (in.) 2"
Description TOC Setting (ft-bmp) 17.50 Water Column/ Gallons in Well 2.18
Static Water Level (ft-bloc) 3.86 Total Depth (ft-bloc) ~16
MP Elevation Pump Intake (ft-bloc) ~16 Purge Method Peristaltic X
Pump On/Off 0955/1045 Volumes Purged ~8 L Submersible
Sample Time: Label 1035 Replicate/ Code No. Water Quality YSI Meter Make/Model
Start 035
End 1045

Weather 205 Sunny
Well Material X PVC SS
Wellhead PID
Reading (ppm)
Sample Method low flow
Sampled by JK

Stabilization parameters 3 readings (not req'd by SOP)					0.1	3%	10%	(10%)	3%	(10%)	Appearance	
Time	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water	Gallons Purged	pH	Cond. (µMhos)	Turbidity	Dissolved Oxygen	Temp. (°C)	Redox	Color	Odor
(approx. 3-5 minute interval)						(mS/cm)	(NTU)	(mg/L)	(°F)	(mV)		
1000	5	2.04	3.86	1	7.07	1394	60.3	5.81	17.2	-22.8	Colorless	Odorless
1005	10	2.00	5.92	2	7.04	2486	43.9	0.81	16.6	-55.0	"	"
1010	15	2.00	6.22	3	7.02	3061	40.2	0.33	15.7	-65.3	"	"
1015	20	2.00	6.24	4	7.03	3101	51.2	0.27	15.3	-67.8	"	"
1020	25	2.06	6.28	5	7.04	3180	26.7	0.12	15.1	-72.7	"	"
1025	30	2.00	6.23	6	7.05	3153	26.1	0.10	14.9	-74.5	"	"
1030	35	2.00	6.25	7	7.05	3159	25.8	0.11	14.7	-75.2	"	"
1035	40	2.00	6.25	8	7.05	3154	25.1	0.04	14.6	-76.4	"	"
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
PFAS - 1633	250 ml plastic	2	None
PFAS - 1633	125 ml plastic	1	None
VOCs - 8260	3x 40ml vials	3	HCL

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

Well Information
Well Location: Brewerton NY
Condition of Well: good
Well Completion: Flush Mount / Stick Up
Well Locked at Arrival: Yes / No
Well Locked at Departure: Yes / No
Key Number To Well: 22



Low Flow Groundwater Purging and Sampling Form

Project No. 30135043 Well ID MW-14 Page 1 of 2
Project Name/Location Jack's Cleaners - Brewerton, NY Date 8/28/2024
Weather ~80°F, Overcast
Measuring Pt. Description TOC Screen Setting (ft-bmp) 13-23 Casing Diameter (in) 2
Well Material X PVC SS
Static Water Level (ft-bloc) 2.00 Total Depth (ft-bloc) 25.20 Water Column/ Gallons in Well 23.20/3.78
Wellhead PID Reading (ppm) —
MP Elevation — Pump Intake (ft-bloc) ~20 Purge Method: Low-Flow
Sample Method Low-Flow
Pump On/Off 1020/1230 Volumes Purged ~3 Peristaltic X
Submersible —
Bladder —
Sample Time: Label 1215 Replicate/ Code No. — Water Quality Meter Make/Model: YSI ProPlus
Start 1213 End 1230 Sampled by BKW

Stabilization parameters 3 readings (not req'd by SOP):

Automation parameters 3 readings (not req'd by SOP)												
Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	0.1 pH	3% Cond. (µMhos) (mS/cm)	10% Turbidity (NTU)	(10%) Dissolved Oxygen (mg/L)	3% Temp. (°C) (°F)	(10%) Redox (mV)	Appearance	
											Color	Odor
1020	Pump on -	disconnected			YSI until turbidity drops							
1035	15	110	3.59		6.64	1441	74.0	1.19	17.3	-115.8	gray w/ white susp.	
1040	20	110	3.68	0.5	6.60	1411	104	0.34	17.5	-161.2	moderate odor	
1045	25	110	3.72		6.60	1409	63.7	0.29	17.0	-169.6		
1050	30	110	3.83	0.75	6.62	1379	62.3	0.29	17.0	-175.5		
1055	35	110	3.84		6.65	1353	57.9	0.23	17.0	-180.2		
1100	40	110	3.85	1.0	6.66	1340	64.0	0.27	16.6	-182.5		
1105	45	110	3.90		6.67	1330	51.9	0.27	16.3	-185.1		
1110	50	110	3.92	1.25	6.68	1334	40.5	0.27	16.9	-186.3		
1115	55	110	3.93		6.70	1337	52.6	0.26	16.8	-188.2	↓	
1120	60	110	3.93	1.5	6.71	1302	56.0	0.27	16.8	-187.8	cloudy	
1125	65	110	3.94		6.72	1281	44.2	0.28	16.8	-187.9	↓	
1130	70	110	3.97	1.75	6.72	1304	33.3	0.26	16.8	-189.2	↓	
1135	75	110	3.97		6.75	1275	42.7	0.25	16.8	-190.3	↓	
1140	80	110	3.96	2.0	6.75	1276	35.0	0.26	16.7	-190.5	↓	↓
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled

VOCs-8260
PFAS-1633

Container

40mL VOA
2x 500mL, 1x 120mL

Number

3
3

Preservative

HCL
none

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.5" = 0.09 2.5" = 0.26 3.5" = 0.50 6" = 1.47
1.25" = 0.06 2" = 0.16 3" = 0.37 4" = 0.65

Well Information

Well Location: Grass by garage
Condition of Well: Okay - outer casing cap broken
Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No
Well Locked at Departure: Yes / No
Key Number To Well: master 2537



Low Flow Groundwater Purging and Sampling Form

Project No. 30135043 Well ID MW-14BR Page 1 of 1
Project Name/Location Jack's Cleaners - Brewerton, NY Date 8/28/2024
Measuring Pt. Description TOC Screen Setting (ft-bmp) 28-38 Casing Diameter (in.) 2 Weather 80°F, Overcast
Static Water Level (ft-bloc) 3.26 Total Depth (ft-bloc) 38.57 Water Column/ Gallons in Well 35.31/ 5.78 Well Material X PVC
MP Elevation - Pump Intake (ft-bloc) ~33 Purge Method: Low-Flow X Submersible
Pump On/Off 1335 Volumes Purged ~0.8 gal Sample Method Low-Flow
Sample Time: Label 1415 Replicate/ Code No. - Water Quality Bladder
Start 1414 Meter Make/Model: YSI ProPlus Sampled by BKW
End 1416

Stabilization parameters 3 readings (not req'd by SOP):

Calibration parameters 3 readings (not req'd by SOP):												Hach 2100B	
Time	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	0.1 pH	3% Cond. (µMhos)	10% Turbidity	10% (10%) Dissolved Oxygen	3% Temp (°C)	10% (10%) Redox	Appearance		
(approx. 3-5 minute interval)						(mS/cm)	(NTU)	(mg/L)	(°F)	(mV)	Color	Odor	
1335	0	Pump on											
1340	5	110	4.43		7.05	1014	28.9	0.80	17.1	-232.7			
1345	10	110	4.60		7.06	1054	15.5	0.62	17.4	-236.7	clear	strong	
1350	15	110	5.81		7.10	1036	9.69	0.41	16.1	-254.0	w/ black		
1355	20	100	6.35	0.5	7.08	1038	7.74	0.36	16.5	-254.4	susp. particles		
1400	25	100	6.68		7.08	1035	6.96	0.34	16.9	-253.0			
1405	30	100	7.05		7.09	1041	7.26	0.34	16.6	-251.6			
1410	35	100	7.44	0.75	7.08	1036	6.86	0.32	16.9	-251.0	↓	↓	
1415	40	100	S	A	M	P	L	E	D				
Approx. value difference b/t 3rd & 2nd to last reading:													
Approx. value difference b/t 2nd to last & final reading:													
Constituents Sampled													

Constituents Sampled

VOLs - 8260

Container

40mL VOA

Number

3

Preservative

HCL

Well Casing Volumes

Gallons/foot 1" = 0.04 1.5" = 0.09 2.5" = 0.26 3.5" = 0.50 6" = 1.47
1.25" = 0.06 2" = 0.16 3" = 0.37 4" = 0.65

Well Information

Well Location: Grass area near garage
Condition of Well: okay

Well Completion:

Flush Mount

Stick Up

Well Locked at Arrival:

Yes

No

Well Locked at Departure:

Yes

No

Key Number To Well:

2537 master



Low Flow Groundwater Purging and Sampling Form

Project No.

30135043

Well ID

MW-15 BR

Page 1 of 2

Date

8/27/24

Project Name/Location

Jack's Cleaners - Brewerton, NY

Weather

70°F, Sun

Measuring Pt.

Description TOC

Screen

Setting (ft-bmp)

20-30

Casing

Diameter (in.)

2

Well Material

X PVC

SS

Static Water

Level (ft-bloc)

6.25

Total Depth (ft-bloc)

32.19

Water Column/

Gallons in Well

25.94 / 4.23

Wellhead PID

Reading (ppm)

—

MP Elevation

Pump Intake (ft-bloc)

30

Purge Method:

Low-Flow

Sample

Method

Low-Flow

Pump On/Off

0925/1145

Volumes Purged

3.5 gal

Penstatic

Submersible

Bladder

Sample Time:

Label

1130

Replicate/

Code No.

—

Water Quality

Meter Make/Model:

YSI ProPlus

Sampled by

BKW

Stabilization parameters 3 readings (not req'd by SOP):

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	0.1 pH	3% Cond. (µMhos) (mS/cm)	10% Turbidity (NTU)	(10%) Dissolved Oxygen (mg/L)	3% Temp. (°C) (°F)	(10%) Redox (mV)	Appearance Color	Odor
0925	0	Pump on	—	—	—	—	—	—	—	—	—	—
0930	5	0.25	8.41	0.25	7.33	486.5	12.0	23.80	14.0	-183.7	clear	none
0935	10	200	9.01	0.5	7.41	484.7	9.70	8.63	14.4	-192.1	—	—
0940	15	200	9.52	—	7.49	482.6	9.03	3.02	14.6	-198.5	—	—
0945	20	150	9.61	0.75	7.54	469.0	9.67	2.43	16.9	-185.9	—	—
0950	25	120	9.66	1.0	7.56	479.5	8.93	2.42	15.4	-194.5	—	—
0955	30	120	9.64	1.25	7.55	481.1	11.9	2.12	15.9	-191.9	—	—
1000	35	120	9.62	—	7.54	488.7	10.4	1.52	15.3	-189.5	—	—
1005	40	120	9.63	1.5	7.53	493.9	10.3	1.17	15.4	-186.3	—	—
1010	45	120	9.62	—	7.53	497.8	10.2	0.98	15.7	-184.5	—	—
1015	50	120	9.62	1.75	7.49	506.4	8.84	0.80	15.7	-179.9	—	—
1020	55	120	9.62	—	7.46	539.8	8.04	0.66	15.5	-177.5	—	—
1025	60	120	9.63	2.0	7.30	698	8.91	0.63	15.1	-167.9	—	—
1030	65	120	9.63	—	7.25	830	9.20	0.56	15.3	-166.7	—	—
1035	70	120	9.64	2.25	7.12	1050	8.91	0.57	15.8	-162.7	↓	↓
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled

VOCs - 8260

PFAS - 1633

Container

3 x 40 mL VOA

Number

3

Preservative

HCL

none

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Woods	Well Locked at Arrival:	Yes / No
Condition of Well:	Good	Well Locked at Departure:	Yes / No
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	2537 master



Low Flow Groundwater Purging and Sampling Form

Project No. 30135043Well ID IU-18Page 1 of 1
Date 08/27/2024Project Name/Location JACAS Cleaners BrewertonWeather High 80sMeasuring Pt.
Description TOCScreen
Setting (ft-bmp) 10-20Casing
Diameter (in.) 2Well Material Y PVC
SSStatic Water
Level (ft-bloc) 2.11Total Depth (ft-bloc) 22.23Water Column/
Gallons in Well 3.22Wellhead PID
Reading (ppm) MP Elevation Pump Intake (ft-bloc) ~18

Purge Method

☒ Peristaltic
☐ Submersible
☐ BladderSample
Method Low-flowPump On/Off 13/10/1425Volumes Purged ~13 LSample Time: Label 1415Replicate/
Code No.

Water Quality

Meter Make/Model: YSISampled by JH

Stabilization parameters 3 readings (not req'd by SOP):

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	0.1 pH	3% Cond. (µMhos) (mS/cm)	10% Turbidity (NTU)	(10%) Dissolved Oxygen (mg/L)	3% Temp. (°C) (°F)	(10%) Redox (mV)	Appearance Color Odor
1310	0	200	2.11		6.85	3249	83.5	1.19	16.2	-51.2	Colorless odorless
1315	5	200	2.81		6.76	2860	74.0	0.25	14.8	-81.0	" "
1320	10	200	2.90		6.74	2631	62.4	0.15	14.9	-86.4	" "
1325	15	200	2.96		6.73	2751	24.5	0.04	14.9	-87.3	" "
1330	20	200	3.00		6.73	2578	24.0	0.03	14.9	-88.7	" "
1335	25	200	3.00		6.74	2548	21.1	0.01	14.8	-88.3	" "
1340	30	200	3.07		6.73	2459	24.3	0.00	14.7	-87.3	" "
1345	35	200	3.06		6.74	2446	18.8	0.00	14.7	-88.3	" "
1350	40	200	3.11		6.75	2443	22.6	0.00	14.6	-90.0	" "
1355	45	200	3.16		6.78	2360	19.7	0.00	14.3	-92.2	" "
1400	50	200	3.22		6.79	2386	21.8	0.00	14.2	-92.2	" "
1405	55	200	3.24		6.80	2362	21.6	0.00	14.2	-94.2	" "
1410	60	200	3.24		6.80	2327	20.2	0.00	14.1	-94.6	" "
1415	60	200	3.24		6.80	2320	20.1	0.00		-95.0	" "

Approx. value difference b/t 3rd & 2nd to last reading:

Approx. value difference b/t 2nd to last & final reading:

Constituents Sampled

Vol - 826.0PFAS - 1631

Container

40ml vial

Number

3

Preservative

HCl2 X 500ml, 1 X 120ml3Wine

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location: Brewerton NY

Well Locked at Arrival:

Yes

/

No

Condition of Well: Good

Well Locked at Departure:

Yes

/

No

Well Completion: Flush Mount / Stick Up

Key Number To Well:

2537



Low Flow Groundwater Purging and Sampling Form

Page 1 of 1

Project No. 30135043 Well ID IW-25

Date 08/28/2024

Project Name/Location JALPS Cleaners Brewerton

Weather 70s Sunny

Measuring Pt. TOC Screen 9-19 Casing Diameter (in.) 2"

Well Material PVC SS

Static Water Level (ft-bloc) 1.48 Total Depth (ft-bloc) 18.50 Water Column/ Gallons in Well 2.72

Wellhead PID Reading (ppm)

MP Elevation Pump Intake (ft-bloc) 16 Purge Method: Peristaltic Submersible Bladder

Sample Method 10W t/10W

Pump On/Off 0855/0935 Volumes Purged ~ 8 L

Sample Time: Label 0935 Replicate/ Code No. Water Quality Meter Make/Model: YSI

Sampled by JH

Stabilization parameters 3 readings (not req'd by SOP):					0.1	3%	10%	(10%)	3%	(10%)	Appearance	
Time	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Color	Odor
0855	0	200	1.48	0	6.87	1432	98.5	0.29	13.8	-106.3	Colorless	Odorless
0900	5	200	1.55	1	6.87	1742	78.2	0.10	13.5	-110.6		
0905	10	200	1.64	2	7.08	2006	43.4	0.03	13.3	-114.8		
0910	15	200	1.72	3	7.66	2002	25.6	0.17	12.9	-113.5		
0915	20	200	1.81.73	4	7.07	2006	26.8	0.17	12.8	-113.9		
0920	25	200	1.71	5	7.07	2007	14.4	0.05	13.0	-114.6		
0925	30	200	1.71	6	7.08	2012	11.3	0.03	12.9	-115.3		
0930	35	200	1.71	7	7.08	2008	10.8	0.01	12.7	-115.7		
0935	40	200	1.71	8	7.	2004	10.2	0.02	12.8	-116.6		
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
VOCS - 4260	40ml VOAS	3	1961
PFAS - 1366	2x500ml, 1x25ml	3	none

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.5" = 0.09 2.5" = 0.26 3.5" = 0.50 6" = 1.47
1.25" = 0.06 2" = 0.16 3" = 0.37 4" = 0.65

Well Information

Well Location: Brewerton NY	Well Locked at Arrival: Yes / No
Condition of Well: good	Well Locked at Departure: Yes / No
Well Completion: Flush Mount / Stick Up	Key Number To Well:



Low Flow Groundwater Purging and Sampling Form

Page 1 of 1Project No. 30135043Well ID IW-29Date 8/29/2024Project Name/Location Jack's Cleaners - Brewerton, NYWeather 85°F, SunMeasuring Pt.
Description TOCScreen
Setting (ft-bmp) 10.5-20.5Casing
Diameter (in.) 2Well Material X PVC
SSStatic Water
Level (ft-bloc) 4.08Total Depth (ft-bloc) 19.37Water Column/
Gallons in Well 15.29 / 2.49Wellhead PID
Reading (ppm) —MP Elevation —Pump Intake (ft-bloc) ~17Purge Method: Low-FlowSample
Method Low-FlowPump On/Off 1215/1325Volumes Purged 2.5Peristaltic
Submersible X
BladderSample Time: Label 1320
Start 1320
End 1325Replicate/
Code No. —Water Quality
Meter Make/Model: YSI ProPlus,
Hach 2100 QSampled by BKW

Stabilization parameters 3 readings (not req'd by SOP):

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	0.1 pH	3% Cond. (µMhos) (mS/cm)	10% Turbidity (NTU)	(10%) Dissolved Oxygen (mg/L)	3% Temp. (°C) (°F)	(10%) Redox (mV)	Appearance	
											Color	Odor
1215	0	Pump on	—	—	—	—	—	—	—	—	—	—
1220	5	200	4.83	—	6.63	984	12.6	0.37	17.5	-74.3	clear	none
1225	10	150	5.30	0.5	6.62	982	7.67	0.28	17.5	-94.6	—	—
1230	15	150	5.30	—	6.63	980	7.25	0.29	18.0	-99.2	—	—
1235	20	150	5.30	—	6.66	981	9.20	0.25	18.0	-104.0	—	—
1240	25	150	5.30	1.0	6.65	978	5.99	0.25	18.1	-108.2	—	—
1245	30	150	5.30	—	6.69	978	4.84	0.23	18.1	-116.1	—	—
1250	35	150	5.25	1.5	6.67	976	4.72	0.24	17.9	-116.1	—	—
1255	40	150	5.25	—	6.67	974	5.53	0.22	18.2	-118.1	—	—
1300	45	150	5.25	1.75	6.66	975	5.95	0.22	17.7	-120.5	—	—
1305	50	150	5.25	2.0	6.66	975	3.52	0.24	17.6	-122.1	—	—
1310	55	150	5.25	—	6.66	976	4.93	0.23	17.8	-123.5	—	—
1315	60	150	5.25	2.5	6.66	979	4.95	0.22	17.9	-125.2	—	—
1320	65	150	5	A	M	P	L	E	D	—	—	—
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled

Container

Number

Preservative

VOLs-826040ml VOA3HCL

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.5" = 0.09 2.5" = 0.26 3.5" = 0.50 5" = 1.47
1.25" = 0.06 2" = 0.16 3" = 0.37 4" = 0.65

Well Information

Well Location: GrassWell Locked at Arrival: Yes / NoCondition of Well: GoodWell Locked at Departure: Yes / NoWell Completion: Flush Mount / Stick UpKey Number To Well: —



Low Flow Groundwater Purging and Sampling Form

Project No.

30135043

Well ID

IW-31

Date

Page 1 of 2
08/29/2024

Project Name/Location

JACKS Cleaners Brewster

Weather

Measuring Pt.

Screen

7-17

Casing

2"

Well Material

X PVC
SS

Description

TOC

Setting (ft-bmp)

17.45

Diameter (in.)

1.92

Wellhead PID

Static Water

5.45

Total Depth (ft-bloc)

17.45

Water Column/

Gallons in Well

Reading (ppm)

Level (ft-bloc)

MP Elevation

Pump Intake (ft-bloc)

~16

Purge Method

Peristaltic

Sample

Pump On/Off

11/5/1240

Volumes Purged

—

Submersible

Bladder

Method

Low-Flow

Sample Time

Label 1230

Replicate/

—

Water Quality

YSI

Sampled by

JA

Start 1230

Code No.

—

Meter Make/Model

YSI

End 1240

Stabilization parameters 3 readings (not req'd by SOP)

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	0.1	3%	10%	(10%)	3%	(10%)	Appearance	
					pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Color	Odor
1115	0	2.00	5.45		6.47	710	11.2	0.18	17.8	-64.7	cloudy	2dust
1120	5		5.77		6.45	701	7.97	0.15	18.1	-71.4		
1125	10		5.97		6.44	697	4.0	0.07	18.3	-73.6		
1130	15		5.98		6.49	697	4.30	0.07	18.6	-73.9		
1135	20		6.04		6.42	693	15.5	0.04	18.8	-73.2		
1140	25		6.20		6.47	699	4.0	0.05	18.9	-74.6		
1145	30		6.20		6.41	699	14.3	0.04	19.0	-74.5		
1150	35		6.12		6.40	699	15.6	0.04	18.9	-74.8		
1155	40		6.08		6.40	701	17.6	0.03	18.1	-75.3		
1200	45		6.08		6.40	702	14.4	0.02	18.9	-75.5		
1205	50		6.09		6.40	699	14.2	0.02	18.7	-75.5		
1210	55		6.12		6.39	692	14.3	0.02	18.7	-73.1		
1215	60		6.08		6.38	697	14.8	0.01	18.8	-78.1		
1220	65		6.06		6.37	695	22.1	0.00	19.0	-75.3		
1225	70		6.06		6.37	696	20.9	0.01	19.1	-77.1		

Approx. value difference b/t 3rd & 2nd to last reading:

Approx. value difference b/t 2nd to last & final reading:

Constituents Sampled

VOCs 82.60

PEAS - 16.33

Container

40 ML WA

2X500mL, 1X120mL

Number

3

3

Preservative

HCL

Dum

Well Casing Volumes

Gallons/Foot

1" = 0.04

1.25" = 0.06

1.5" = 0.09

2" = 0.16

2.5" = 0.26

3" = 0.37

3.5" = 0.50

4" = 0.65

6" = 1.47

Well Information

Well Location:

Brewster NY

Condition of Well:

good

Well Completion:

Flush Mount

Stick Up

Well Locked at Arrival:

Yes

/

No

Well Locked at Departure:

Yes

/

No

Key Number To Well:

Low Flow GW Samp Form

APPENDIX B

Laboratory Analytical Reports

October 11, 2024

Stephanie Fitzgerald
NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: Brewerton, NY
Client Job Number:
Project Number: 734112
Laboratory Work Order Number: 24I0055

Enclosed are results of analyses for samples as received by the laboratory on August 30, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	9
24I0055-01	9
24I0055-02	14
24I0055-03	17
24I0055-04	19
24I0055-05	24
24I0055-06	26
24I0055-07	31
24I0055-08	33
24I0055-09	38
24I0055-10	43
24I0055-11	45
24I0055-12	47
24I0055-13	52
24I0055-14	57
24I0055-15	62
24I0055-16	67
24I0055-17	72
24I0055-18	77
24I0055-19	79
24I0055-20	84
24I0055-21	86
Sample Preparation Information	89

Table of Contents (continued)

QC Data	91
Volatile Organic Compounds by GC/MS	91
B385062	91
Semivolatile Organic Compounds by - LC/MS-MS	98
B386186	98
B386610	102
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	110
B384905	110
B384906	110
B385056	110
B385057	110
Flag/Qualifier Summary	111
Certifications	112
Chain of Custody/Sample Receipt	115

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

NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Stephanie Fitzgerald

REPORT DATE: 10/11/2024

PURCHASE ORDER NUMBER: 149566

PROJECT NUMBER: 734112

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24I0055

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Brewerton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-15BR	24I0055-01	Ground Water		Draft Method 1633 SW-846 8260D	
MW-10	24I0055-02	Ground Water		Draft Method 1633	
MW-10BR	24I0055-03	Ground Water		SW-846 8260D	
MW-12	24I0055-04	Ground Water		Draft Method 1633 SW-846 8260D	
IW-17	24I0055-05	Ground Water		SW-846 8260D	
IW-18	24I0055-06	Ground Water		Draft Method 1633 SW-846 8260D	
IW-14	24I0055-07	Ground Water		SW-846 8260D	
IW-25	24I0055-08	Ground Water		Draft Method 1633 SW-846 8260D	
MW-14	24I0055-09	Ground Water		Draft Method 1633 SW-846 8260D	
MW-14BR	24I0055-10	Ground Water		SW-846 8260D	
MW-9	24I0055-11	Ground Water		SW-846 8260D	
MW-13	24I0055-12	Ground Water		Draft Method 1633 SW-846 8260D	
MW-7	24I0055-13	Ground Water		Draft Method 1633 SW-846 8260D	
MW-2	24I0055-14	Ground Water		Draft Method 1633 SW-846 8260D	
MW-1R	24I0055-15	Ground Water		Draft Method 1633 SW-846 8260D	
MW-5	24I0055-16	Ground Water		Draft Method 1633 SW-846 8260D	
IW-31	24I0055-17	Ground Water		Draft Method 1633 SW-846 8260D	
IW-29	24I0055-18	Ground Water		SW-846 8260D	
DUP-20240829	24I0055-19	Ground Water		Draft Method 1633 SW-846 8260D	
TRIP BLANK	24I0055-20	Trip Blank Water		SW-846 8260D	
EquipmentBlank-20240829	24I0055-21	Equipment Blank Water		Draft Method 1633	

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.

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

Draft Method 1633**Qualifications:****D-03**

Sample diluted pre-extraction due to elevated TSS pre-analysis result.

Analyte & Samples(s) Qualified:

24I0055-02[MW-10]

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:**Total Suspended Solids**

24I0055-01[MW-15BR], 24I0055-02[MW-10], 24I0055-04[MW-12], 24I0055-06[IW-18], 24I0055-08[IW-25], 24I0055-09[MW-14], 24I0055-12[MW-13], 24I0055-14[MW-2], 24I0055-15[MW-1R], 24I0055-16[MW-5], 24I0055-17[IW-31]

PF-22

Qualifier ion ratio >150% of associated calibration. Detection is suspect.

Analyte & Samples(s) Qualified:**Perfluorohexanoic acid (PFHxA)**

24I0055-09[MW-14]

Perfluorooctanesulfonamide (PFOSA)

24I0055-12[MW-13]

PF-23

Qualifier ion ratio <50% of associated calibration. Detection is suspect.

Analyte & Samples(s) Qualified:**Perfluorooctanesulfonic acid (PFOS)**

24I0055-01[MW-15BR], 24I0055-16[MW-5]

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:**13C2-8:2FTS**

S111083-CCV4

13C4-PFHpA

24I0055-17[IW-31], 24I0055-19[DUP-20240829]

13C8-PFOA

24I0055-15[MW-1R], 24I0055-17[IW-31], 24I0055-19[DUP-20240829]

13C9-PFNA

24I0055-19[DUP-20240829]

1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)

S111083-CCV4

D3-NMeFOSAA

S111083-CCV4

D5-NEtFOSAA

S111083-CCV4

D9-NEtFOSE

S111083-CCV4

N-EtFOSAA (NEtFOSAA)

S111083-CCV4

N-ethylperfluorooctanesulfonamidoethanol (NEtFOE)

S111083-CCV4

N-MeFOSAA (NMeFOSAA)

S111083-CCV4

Perfluoroheptanoic acid (PFHpA)

24I0055-17[IW-31], 24I0055-19[DUP-20240829]

Perfluorononanoic acid (PFNA)

24I0055-19[DUP-20240829]

Perfluorooctanoic acid (PFOA)

24I0055-15[MW-1R], 24I0055-17[IW-31], 24I0055-19[DUP-20240829]

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

SW-846 8260D

Qualifications:**L-04**

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

Analyte & Samples(s) Qualified:**1,2,3-Trichlorobenzene**

24I0055-01[MW-15BR], 24I0055-03[MW-10BR], 24I0055-04[MW-12], 24I0055-05[IW-17], 24I0055-06[IW-18], 24I0055-07[IW-14], 24I0055-08[IW-25], 24I0055-09[MW-14], 24I0055-10[MW-14BR], 24I0055-11[MW-9], 24I0055-12[MW-13], 24I0055-13[MW-7], 24I0055-14[MW-2], 24I0055-15[MW-1R], 24I0055-16[MW-5], 24I0055-17[IW-31], 24I0055-18[IW-29], 24I0055-19[DUP-20240829], 24I0055-20[TRIP BLANK], B385062-BLK1, B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

1,2,4-Trichlorobenzene

24I0055-01[MW-15BR], 24I0055-03[MW-10BR], 24I0055-04[MW-12], 24I0055-05[IW-17], 24I0055-06[IW-18], 24I0055-07[IW-14], 24I0055-08[IW-25], 24I0055-09[MW-14], 24I0055-10[MW-14BR], 24I0055-11[MW-9], 24I0055-12[MW-13], 24I0055-13[MW-7], 24I0055-14[MW-2], 24I0055-15[MW-1R], 24I0055-16[MW-5], 24I0055-17[IW-31], 24I0055-18[IW-29], 24I0055-19[DUP-20240829], 24I0055-20[TRIP BLANK], B385062-BLK1, B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

2-Hexanone (MBK)

24I0055-01[MW-15BR], 24I0055-03[MW-10BR], 24I0055-04[MW-12], 24I0055-05[IW-17], 24I0055-06[IW-18], 24I0055-07[IW-14], 24I0055-08[IW-25], 24I0055-09[MW-14], 24I0055-10[MW-14BR], 24I0055-11[MW-9], 24I0055-12[MW-13], 24I0055-13[MW-7], 24I0055-14[MW-2], 24I0055-15[MW-1R], 24I0055-16[MW-5], 24I0055-17[IW-31], 24I0055-18[IW-29], 24I0055-19[DUP-20240829], 24I0055-20[TRIP BLANK], B385062-BLK1, B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

Naphthalene

24I0055-01[MW-15BR], 24I0055-03[MW-10BR], 24I0055-04[MW-12], 24I0055-05[IW-17], 24I0055-06[IW-18], 24I0055-07[IW-14], 24I0055-08[IW-25], 24I0055-09[MW-14], 24I0055-10[MW-14BR], 24I0055-11[MW-9], 24I0055-12[MW-13], 24I0055-13[MW-7], 24I0055-14[MW-2], 24I0055-15[MW-1R], 24I0055-16[MW-5], 24I0055-17[IW-31], 24I0055-18[IW-29], 24I0055-19[DUP-20240829], 24I0055-20[TRIP BLANK], B385062-BLK1, B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

L-07

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

Analyte & Samples(s) Qualified:**4-Methyl-2-pentanone (MIBK)**

B385062-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**1,2,3-Trichlorobenzene**

24I0055-14[MW-2], B385062-MS1, B385062-MSD1

1,2,4-Trichlorobenzene

24I0055-14[MW-2], B385062-MS1, B385062-MSD1

2-Hexanone (MBK)

24I0055-14[MW-2], B385062-MS1, B385062-MSD1

4-Methyl-2-pentanone (MIBK)

24I0055-14[MW-2], B385062-MS1, B385062-MSD1

Naphthalene

24I0055-14[MW-2], B385062-MS1, B385062-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:**Carbon Tetrachloride**

B385062-MS1

n-Butylbenzene

B385062-MS1

trans-1,3-Dichloropropene

B385062-MS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

24I0055-08[IW-25], 24I0055-11[MW-9], 24I0055-12[MW-13]

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

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**1,2,3-Trichlorobenzene**

24I0055-01[MW-15BR], 24I0055-03[MW-10BR], 24I0055-04[MW-12], 24I0055-05[IW-17], 24I0055-06[IW-18], 24I0055-07[IW-14], 24I0055-08[IW-25], 24I0055-09[MW-14], 24I0055-10[MW-14BR], 24I0055-11[MW-9], 24I0055-12[MW-13], 24I0055-13[MW-7], 24I0055-14[MW-2], 24I0055-15[MW-1R], 24I0055-16[MW-5], 24I0055-17[IW-31], 24I0055-18[IW-29], 24I0055-19[DUP-20240829], 24I0055-20[TRIP BLANK], B385062-BLK1, B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

1,2,4-Trichlorobenzene

24I0055-01[MW-15BR], 24I0055-03[MW-10BR], 24I0055-04[MW-12], 24I0055-05[IW-17], 24I0055-06[IW-18], 24I0055-07[IW-14], 24I0055-08[IW-25], 24I0055-09[MW-14], 24I0055-10[MW-14BR], 24I0055-11[MW-9], 24I0055-12[MW-13], 24I0055-13[MW-7], 24I0055-14[MW-2], 24I0055-15[MW-1R], 24I0055-16[MW-5], 24I0055-17[IW-31], 24I0055-18[IW-29], 24I0055-19[DUP-20240829], 24I0055-20[TRIP BLANK], B385062-BLK1, B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

2-Hexanone (MBK)

24I0055-01[MW-15BR], 24I0055-03[MW-10BR], 24I0055-04[MW-12], 24I0055-05[IW-17], 24I0055-06[IW-18], 24I0055-07[IW-14], 24I0055-08[IW-25], 24I0055-09[MW-14], 24I0055-10[MW-14BR], 24I0055-11[MW-9], 24I0055-12[MW-13], 24I0055-13[MW-7], 24I0055-14[MW-2], 24I0055-15[MW-1R], 24I0055-16[MW-5], 24I0055-17[IW-31], 24I0055-18[IW-29], 24I0055-19[DUP-20240829], 24I0055-20[TRIP BLANK], B385062-BLK1, B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

Naphthalene

24I0055-01[MW-15BR], 24I0055-03[MW-10BR], 24I0055-04[MW-12], 24I0055-05[IW-17], 24I0055-06[IW-18], 24I0055-07[IW-14], 24I0055-08[IW-25], 24I0055-09[MW-14], 24I0055-10[MW-14BR], 24I0055-11[MW-9], 24I0055-12[MW-13], 24I0055-13[MW-7], 24I0055-14[MW-2], 24I0055-15[MW-1R], 24I0055-16[MW-5], 24I0055-17[IW-31], 24I0055-18[IW-29], 24I0055-19[DUP-20240829], 24I0055-20[TRIP BLANK], B385062-BLK1, B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Benzene**

B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

Bromochloromethane

B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

Bromomethane

B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

Chloromethane

B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

Methyl Acetate

B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

Methyl Cyclohexane

B385062-BS1, B385062-BSD1, B385062-MS1, B385062-MSD1, S110041-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, 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.



Lisa A. Worthington
Technical Representative

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-15BR

Sampled: 8/27/2024 11:30

Sample ID: 24I0055-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Benzene	1.0	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
cis-1,2-Dichloroethylene	9.6	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	V-05, L-04	SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Methyl tert-Butyl Ether (MTBE)	0.32	1.0	0.17	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	V-05, L-04	SW-846 8260D	9/5/24	9/5/24 11:11	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-15BR

Sampled: 8/27/2024 11:30

Sample ID: 24I0055-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	V-05, L-04	SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	V-05, L-04	SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Trichloroethylene	1.0	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Vinyl Chloride	5.3	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:11	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	103		70-130				9/5/24 11:11			
Toluene-d8	88.2		70-130				9/5/24 11:11			
4-Bromofluorobenzene	80.4		70-130				9/5/24 11:11			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-15BR

Sampled: 8/27/2024 11:30

Sample ID: 24I0055-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.9	3.7	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluoropentanoic acid (PFPeA)	6.7	1.9	0.40	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorohexanoic acid (PFHxA)	3.8	0.93	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluoroheptanoic acid (PFHpA)	1.3	0.93	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorooctanoic acid (PFOA)	3.4	0.93	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorononanoic acid (PFNA)	ND	0.93	0.17	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorodecanoic acid (PFDA)	ND	0.93	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.93	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.93	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.93	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.93	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorobutanesulfonic acid (PFBS)	0.86	0.93	0.20	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluoropentanesulfonic acid (PFPeS)	0.36	0.93	0.24	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorohexanesulfonic acid (PFHxS)	0.63	0.93	0.26	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.93	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorooctanesulfonic acid (PFOS)	2.1	0.93	0.36	ng/L	1	PF-23	Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.93	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.93	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.93	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.7	0.69	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.7	2.8	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.7	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.93	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.93	0.30	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.93	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.93	0.33	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.93	0.37	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.3	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.3	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	0.96	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.7	0.76	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	0.89	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
11Cl-PF3OUDS (F53B Major)	ND	3.7	0.99	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.3	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	46	10	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	46	8.8	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.52	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-15BR

Sampled: 8/27/2024 11:30

Sample ID: 24I0055-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.50	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 14:44	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	81.4		10-130				9/24/24 14:44			
13C5-PFPeA	86.6		35-150				9/24/24 14:44			
13C5-PFHxA	79.0		55-150				9/24/24 14:44			
13C4-PFHpA	72.2		55-150				9/24/24 14:44			
13C8-PFOA	79.8		60-140				9/24/24 14:44			
13C9-PFNA	73.5		55-140				9/24/24 14:44			
13C6-PFDA	66.1		50-140				9/24/24 14:44			
13C7-PFUnA	69.5		30-140				9/24/24 14:44			
13C2-PFDoA	68.4		10-150				9/24/24 14:44			
13C2-PFTeDA	65.5		10-130				9/24/24 14:44			
13C3-PFBS	82.5		55-150				9/24/24 14:44			
13C3-PFHxS	75.8		55-150				9/24/24 14:44			
13C8-PFOS	75.5		45-140				9/24/24 14:44			
13C2-4:2FTS	116		60-200				9/24/24 14:44			
13C2-6:2FTS	83.4		60-200				9/24/24 14:44			
13C2-8:2FTS	65.4		50-200				9/24/24 14:44			
13C8-PFOSA	64.2		30-130				9/24/24 14:44			
D3-NMeFOSA	50.7		15-130				9/24/24 14:44			
D5-NEtFOSA	50.1		10-130				9/24/24 14:44			
D3-NMeFOSAA	70.6		45-200				9/24/24 14:44			
D5-NEtFOSAA	72.5		10-200				9/24/24 14:44			
D7-NMeFOSE	55.8		10-150				9/24/24 14:44			
D9-NEtFOSE	55.7		10-150				9/24/24 14:44			
13C3-HFPO-DA	74.1		25-160				9/24/24 14:44			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Sampled: 8/27/2024 11:30

Field Sample #: MW-15BR

Sample ID: 24I0055-01

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1	H-01	Draft Method 1633	9/4/24	9/4/24 13:57	II

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-10

Sampled: 8/27/2024 10:35

Sample ID: 24I0055-02

Sample Matrix: Ground Water

Sample Flags: D-03

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	20	11	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluoropentanoic acid (PFPeA)	ND	9.9	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorohexanoic acid (PFHxA)	ND	5.0	1.2	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluoroheptanoic acid (PFHpA)	ND	5.0	1.3	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorooctanoic acid (PFOA)	ND	5.0	1.3	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorononanoic acid (PFNA)	ND	5.0	0.93	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorodecanoic acid (PFDA)	ND	5.0	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluoroundecanoic acid (PFUnA)	ND	5.0	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorododecanoic acid (PFDoA)	ND	5.0	0.99	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	5.0	1.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	5.0	1.3	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	5.0	1.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	5.0	1.3	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	5.0	1.4	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	5.0	1.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	5.0	1.9	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorononanesulfonic acid (PFNS)	ND	5.0	1.2	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	5.0	1.4	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	5.0	1.4	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	20	3.7	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	20	15	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	20	5.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	5.0	1.2	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	5.0	1.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	5.0	1.7	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
N-MeFOSAA (NMeFOSAA)	ND	5.0	1.8	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
N-EtFOSAA (NEtFOSAA)	ND	5.0	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	50	14	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	50	13	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	20	5.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	20	4.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
9Cl-PF3ONS (F53B Minor)	ND	20	4.8	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
11Cl-PF3OUdS (F53B Major)	ND	20	5.3	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	50	11	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	250	56	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	250	47	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	9.9	1.7	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	9.9	2.8	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-10

Sampled: 8/27/2024 10:35

Sample ID: 24I0055-02

Sample Matrix: Ground Water

Sample Flags: D-03

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	9.9	2.7	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	9.9	2.7	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:00	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	83.3		10-130				9/24/24 15:00			
13C5-PFPeA	90.9		35-150				9/24/24 15:00			
13C5-PFHxA	81.7		55-150				9/24/24 15:00			
13C4-PFHpA	74.2		55-150				9/24/24 15:00			
13C8-PFOA	87.3		60-140				9/24/24 15:00			
13C9-PFNA	72.9		55-140				9/24/24 15:00			
13C6-PFDA	77.4		50-140				9/24/24 15:00			
13C7-PFUnA	80.0		30-140				9/24/24 15:00			
13C2-PFDoA	77.5		10-150				9/24/24 15:00			
13C2-PFTeDA	69.5		10-130				9/24/24 15:00			
13C3-PFBS	80.3		55-150				9/24/24 15:00			
13C3-PFHxS	79.7		55-150				9/24/24 15:00			
13C8-PFOS	81.8		45-140				9/24/24 15:00			
13C2-4:2FTS	79.2		60-200				9/24/24 15:00			
13C2-6:2FTS	81.2		60-200				9/24/24 15:00			
13C2-8:2FTS	78.0		50-200				9/24/24 15:00			
13C8-PFOSA	71.0		30-130				9/24/24 15:00			
D3-NMeFOSA	59.7		15-130				9/24/24 15:00			
D5-NEtFOSA	60.2		10-130				9/24/24 15:00			
D3-NMeFOSAA	77.0		45-200				9/24/24 15:00			
D5-NEtFOSAA	92.4		10-200				9/24/24 15:00			
D7-NMeFOSE	65.2		10-150				9/24/24 15:00			
D9-NEtFOSE	66.1		10-150				9/24/24 15:00			
13C3-HFPO-DA	75.3		25-160				9/24/24 15:00			

Project Location: Brewerton, NY

Date Received: 8/30/2024

Field Sample #: MW-10

Sample ID: 24I0055-02

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 8/27/2024 10:35

Work Order: 24I0055

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	120	10	mg/L	1	H-01	Draft Method 1633	9/4/24	9/4/24 13:57	II

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-10BR

Sampled: 8/27/2024 11:35

Sample ID: 24I0055-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Methyl tert-Butyl Ether (MTBE)	1.1	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 11:38	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-10BR

Sampled: 8/27/2024 11:35

Sample ID: 24I0055-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 11:38	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				9/5/24 11:38			
Toluene-d8	87.2		70-130				9/5/24 11:38			
4-Bromofluorobenzene	79.9		70-130				9/5/24 11:38			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-12

Sampled: 8/27/2024 13:10

Sample ID: 24I0055-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.6	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Chloroethane	40	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,1-Dichloroethane	0.17	1.0	0.15	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
cis-1,2-Dichloroethylene	0.86	1.0	0.20	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:05	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-12

Sampled: 8/27/2024 13:10

Sample ID: 24I0055-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Toluene	0.12	1.0	0.11	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Trichloroethylene	0.48	1.0	0.17	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Vinyl Chloride	0.78	2.0	0.19	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:05	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:05	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				9/5/24 12:05			
Toluene-d8	84.9		70-130				9/5/24 12:05			
4-Bromofluorobenzene	82.2		70-130				9/5/24 12:05			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-12

Sampled: 8/27/2024 13:10

Sample ID: 24I0055-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.7	3.8	2.1	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluoropentanoic acid (PFPeA)	2.2	1.9	0.40	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorohexanoic acid (PFHxA)	1.2	0.94	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluoroheptanoic acid (PFHpA)	0.38	0.94	0.25	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorooctanoic acid (PFOA)	0.65	0.94	0.25	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorononanoic acid (PFNA)	ND	0.94	0.18	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorodecanoic acid (PFDA)	ND	0.94	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.94	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.94	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.94	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.94	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.94	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.94	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.94	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.94	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.94	0.36	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.94	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.94	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.94	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.70	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	2.9	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.94	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.94	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.94	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.94	0.34	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.94	0.38	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.4	2.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.4	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	0.97	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.77	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.91	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
11Cl-PF3OUDs (F53B Major)	ND	3.8	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.4	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	47	11	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	47	9.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.33	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.52	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-12

Sampled: 8/27/2024 13:10

Sample ID: 24I0055-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.52	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:16	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	77.5		10-130				9/24/24 15:16			
13C5-PFPeA	77.2		35-150				9/24/24 15:16			
13C5-PFHxA	76.9		55-150				9/24/24 15:16			
13C4-PFHpA	61.1		55-150				9/24/24 15:16			
13C8-PFOA	79.8		60-140				9/24/24 15:16			
13C9-PFNA	73.2		55-140				9/24/24 15:16			
13C6-PFDA	71.7		50-140				9/24/24 15:16			
13C7-PFUnA	71.7		30-140				9/24/24 15:16			
13C2-PFDoA	62.9		10-150				9/24/24 15:16			
13C2-PFTeDA	54.3		10-130				9/24/24 15:16			
13C3-PFBS	80.4		55-150				9/24/24 15:16			
13C3-PFHxS	71.6		55-150				9/24/24 15:16			
13C8-PFOS	70.7		45-140				9/24/24 15:16			
13C2-4:2FTS	152		60-200				9/24/24 15:16			
13C2-6:2FTS	90.3		60-200				9/24/24 15:16			
13C2-8:2FTS	68.2		50-200				9/24/24 15:16			
13C8-PFOSA	58.3		30-130				9/24/24 15:16			
D3-NMeFOSA	45.6		15-130				9/24/24 15:16			
D5-NEtFOSA	46.5		10-130				9/24/24 15:16			
D3-NMeFOSAA	68.4		45-200				9/24/24 15:16			
D5-NEtFOSAA	67.1		10-200				9/24/24 15:16			
D7-NMeFOSE	48.5		10-150				9/24/24 15:16			
D9-NEtFOSE	46.0		10-150				9/24/24 15:16			
13C3-HFPO-DA	63.8		25-160				9/24/24 15:16			

Project Location: Brewerton, NY

Date Received: 8/30/2024

Field Sample #: MW-12

Sample ID: 24I0055-04

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 8/27/2024 13:10

Work Order: 24I0055

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1	H-01	Draft Method 1633	9/4/24	9/4/24 13:57	II

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-17

Sampled: 8/27/2024 14:25

Sample ID: 24I0055-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.5	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Benzene	1.4	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,1-Dichloroethane	0.35	1.0	0.15	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
cis-1,2-Dichloroethylene	20	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Methyl tert-Butyl Ether (MTBE)	0.35	1.0	0.17	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:31	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-17

Sampled: 8/27/2024 14:25

Sample ID: 24I0055-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Toluene	0.19	1.0	0.11	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Vinyl Chloride	17	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:31	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				9/5/24 12:31			
Toluene-d8	91.8		70-130				9/5/24 12:31			
4-Bromofluorobenzene	82.6		70-130				9/5/24 12:31			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-18

Sampled: 8/27/2024 14:15

Sample ID: 24I0055-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Benzene	1.7	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,1-Dichloroethylene	0.31	1.0	0.18	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:58	EEH
cis-1,2-Dichloroethylene	77	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
trans-1,2-Dichloroethylene	0.35	1.0	0.16	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Methyl tert-Butyl Ether (MTBE)	1.1	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Methyl Cyclohexane	0.22	1.0	0.13	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:58	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: IW-18

Sampled: 8/27/2024 14:15

Sample ID: 24I0055-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Toluene	0.33	1.0	0.11	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Trichloroethylene	0.84	1.0	0.17	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Vinyl Chloride	84	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 12:58	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.4		70-130				9/5/24 12:58			
Toluene-d8	85.4		70-130				9/5/24 12:58			
4-Bromofluorobenzene	79.1		70-130				9/5/24 12:58			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Sampled: 8/27/2024 14:15

Field Sample #: 1W-18

Sample ID: 24I0055-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	13	3.8	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluoropentanoic acid (PFPeA)	20	1.9	0.41	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorohexanoic acid (PFHxA)	12	0.96	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluoroheptanoic acid (PFHpA)	4.4	0.96	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorooctanoic acid (PFOA)	13	0.96	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorononanoic acid (PFNA)	1.2	0.96	0.18	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorodecanoic acid (PFDA)	ND	0.96	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.96	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.96	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.96	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.96	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorobutanesulfonic acid (PFBS)	3.8	0.96	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluoropentanesulfonic acid (PFPeS)	1.3	0.96	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorohexanesulfonic acid (PFHxS)	2.6	0.96	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.96	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorooctanesulfonic acid (PFOS)	23	0.96	0.37	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.96	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.96	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.96	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.71	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	2.9	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.96	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.96	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.96	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.96	0.34	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.96	0.38	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.6	2.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.6	2.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	0.99	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.79	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.92	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.8	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.6	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	11	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	48	9.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.33	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-18

Sampled: 8/27/2024 14:15

Sample ID: 24I0055-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.52	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:31	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	63.4		10-130				9/24/24 15:31			
13C5-PFPeA	72.6		35-150				9/24/24 15:31			
13C5-PFHxA	73.5		55-150				9/24/24 15:31			
13C4-PFHpA	62.8		55-150				9/24/24 15:31			
13C8-PFOA	76.0		60-140				9/24/24 15:31			
13C9-PFNA	73.4		55-140				9/24/24 15:31			
13C6-PFDA	70.3		50-140				9/24/24 15:31			
13C7-PFUnA	71.4		30-140				9/24/24 15:31			
13C2-PFDoA	62.5		10-150				9/24/24 15:31			
13C2-PFTeDA	52.5		10-130				9/24/24 15:31			
13C3-PFBS	75.8		55-150				9/24/24 15:31			
13C3-PFHxS	74.7		55-150				9/24/24 15:31			
13C8-PFOS	73.6		45-140				9/24/24 15:31			
13C2-4:2FTS	189		60-200				9/24/24 15:31			
13C2-6:2FTS	135		60-200				9/24/24 15:31			
13C2-8:2FTS	74.0		50-200				9/24/24 15:31			
13C8-PFOSA	61.6		30-130				9/24/24 15:31			
D3-NMeFOSA	50.7		15-130				9/24/24 15:31			
D5-NEtFOSA	48.2		10-130				9/24/24 15:31			
D3-NMeFOSAA	72.2		45-200				9/24/24 15:31			
D5-NEtFOSAA	79.3		10-200				9/24/24 15:31			
D7-NMeFOSE	51.9		10-150				9/24/24 15:31			
D9-NEtFOSE	49.4		10-150				9/24/24 15:31			
13C3-HFPO-DA	60.9		25-160				9/24/24 15:31			

Project Location: Brewerton, NY

Date Received: 8/30/2024

Field Sample #: IW-18

Sample ID: 24I0055-06

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 8/27/2024 14:15

Work Order: 24I0055

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	20	10	mg/L	1	H-01	Draft Method 1633	9/4/24	9/4/24 13:57	II

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-14

Sampled: 8/28/2024 09:45

Sample ID: 24I0055-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	7.2	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Benzene	0.71	1.0	0.14	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
cis-1,2-Dichloroethylene	1.3	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Methyl Cyclohexane	0.20	1.0	0.13	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 13:25	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: IW-14

Sampled: 8/28/2024 09:45

Sample ID: 24I0055-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Toluene	0.57	1.0	0.11	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:25	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.8		70-130				9/5/24 13:25			
Toluene-d8	86.5		70-130				9/5/24 13:25			
4-Bromofluorobenzene	81.0		70-130				9/5/24 13:25			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-25

Sampled: 8/28/2024 09:35

Sample ID: 24I0055-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1000	41	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Benzene	ND	20	2.9	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Bromochloromethane	ND	20	6.4	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Bromodichloromethane	ND	10	3.7	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Bromoform	ND	20	6.0	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Bromomethane	ND	40	30	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
2-Butanone (MEK)	ND	400	28	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
n-Butylbenzene	ND	20	3.1	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
sec-Butylbenzene	ND	20	3.3	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
tert-Butylbenzene	ND	20	3.3	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Carbon Disulfide	ND	100	31	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Carbon Tetrachloride	ND	100	3.9	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Chlorobenzene	ND	20	3.5	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Chlorodibromomethane	ND	10	2.6	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Chloroethane	ND	40	9.2	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Chloroform	ND	40	3.8	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Chloromethane	ND	40	9.9	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Cyclohexane	ND	100	35	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	13	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,2-Dibromoethane (EDB)	ND	10	2.5	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,2-Dichlorobenzene	ND	20	3.5	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,3-Dichlorobenzene	ND	20	3.1	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,4-Dichlorobenzene	ND	20	3.3	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Dichlorodifluoromethane (Freon 12)	ND	40	4.0	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,1-Dichloroethane	ND	20	3.0	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,2-Dichloroethane	ND	20	2.5	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,1-Dichloroethylene	ND	20	3.6	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
cis-1,2-Dichloroethylene	1300	20	4.0	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
trans-1,2-Dichloroethylene	14	20	3.1	µg/L	20	J	SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,2-Dichloropropane	ND	20	3.4	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
cis-1,3-Dichloropropene	ND	10	2.6	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
trans-1,3-Dichloropropene	ND	10	2.9	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Ethylbenzene	ND	20	2.7	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
2-Hexanone (MBK)	ND	200	27	µg/L	20	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Isopropylbenzene (Cumene)	ND	20	3.1	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
p-Isopropyltoluene (p-Cymene)	ND	20	3.1	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Methyl Acetate	ND	20	9.6	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Methyl tert-Butyl Ether (MTBE)	ND	20	3.3	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Methyl Cyclohexane	ND	20	2.7	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Methylene Chloride	ND	100	3.8	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
4-Methyl-2-pentanone (MIBK)	ND	200	27	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Naphthalene	ND	40	4.9	µg/L	20	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 17:51	EEH
n-Propylbenzene	ND	20	2.2	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Styrene	ND	20	2.6	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-25

Sampled: 8/28/2024 09:35

Sample ID: 24I0055-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	10	2.0	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Tetrachloroethylene	ND	20	3.3	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Toluene	ND	20	2.3	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,2,3-Trichlorobenzene	ND	100	4.3	µg/L	20	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,2,4-Trichlorobenzene	ND	20	3.9	µg/L	20	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,1,1-Trichloroethane	ND	20	2.8	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,1,2-Trichloroethane	ND	20	3.6	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Trichloroethylene	15	20	3.3	µg/L	20	J	SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Trichlorofluoromethane (Freon 11)	ND	40	2.9	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,2,3-Trichloropropane	ND	40	5.4	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	20	3.2	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,2,4-Trimethylbenzene	ND	20	3.1	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
1,3,5-Trimethylbenzene	ND	20	3.4	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Vinyl Chloride	200	40	3.9	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
m+p Xylene	ND	40	4.9	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
o-Xylene	ND	20	3.1	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Xylenes (total)	ND	20	20	µg/L	20		SW-846 8260D	9/5/24	9/5/24 17:51	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	98.6		70-130				9/5/24 17:51			
Toluene-d8	81.0		70-130				9/5/24 17:51			
4-Bromofluorobenzene	80.8		70-130				9/5/24 17:51			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-25

Sampled: 8/28/2024 09:35

Sample ID: 24I0055-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	14	3.7	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluoropentanoic acid (PFPeA)	39	1.9	0.40	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorohexanoic acid (PFHxA)	22	0.93	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluoroheptanoic acid (PFHpA)	5.6	0.93	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorooctanoic acid (PFOA)	17	0.93	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorononanoic acid (PFNA)	1.8	0.93	0.17	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorodecanoic acid (PFDA)	0.50	0.93	0.19	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.93	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.93	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.93	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.93	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorobutanesulfonic acid (PFBS)	2.5	0.93	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluoropentanesulfonic acid (PFPeS)	1.1	0.93	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorohexanesulfonic acid (PFHxS)	3.5	0.93	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluoroheptanesulfonic acid (PFHpS)	0.73	0.93	0.31	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorooctanesulfonic acid (PFOS)	39	0.93	0.36	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.93	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.93	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.93	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.7	0.69	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.7	2.8	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.7	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.93	0.21	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.93	0.30	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.93	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.93	0.33	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.93	0.37	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.3	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.3	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	0.96	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.7	0.76	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	0.89	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.7	0.99	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.3	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	46	10	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	46	8.8	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-25

Sampled: 8/28/2024 09:35

Sample ID: 24I0055-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.50	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 15:47	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	72.9		10-130				9/24/24 15:47			
13C5-PFPeA	76.1		35-150				9/24/24 15:47			
13C5-PFHxA	72.3		55-150				9/24/24 15:47			
13C4-PFHpA	64.5		55-150				9/24/24 15:47			
13C8-PFOA	75.6		60-140				9/24/24 15:47			
13C9-PFNA	72.5		55-140				9/24/24 15:47			
13C6-PFDA	69.5		50-140				9/24/24 15:47			
13C7-PFUnA	69.4		30-140				9/24/24 15:47			
13C2-PFDoA	65.3		10-150				9/24/24 15:47			
13C2-PFTeDA	59.2		10-130				9/24/24 15:47			
13C3-PFBS	74.9		55-150				9/24/24 15:47			
13C3-PFHxS	72.2		55-150				9/24/24 15:47			
13C8-PFOS	72.2		45-140				9/24/24 15:47			
13C2-4:2FTS	140		60-200				9/24/24 15:47			
13C2-6:2FTS	104		60-200				9/24/24 15:47			
13C2-8:2FTS	76.5		50-200				9/24/24 15:47			
13C8-PFOSA	58.8		30-130				9/24/24 15:47			
D3-NMeFOSA	49.2		15-130				9/24/24 15:47			
D5-NEtFOSA	48.6		10-130				9/24/24 15:47			
D3-NMeFOSAA	66.1		45-200				9/24/24 15:47			
D5-NEtFOSAA	70.5		10-200				9/24/24 15:47			
D7-NMeFOSE	52.2		10-150				9/24/24 15:47			
D9-NEtFOSE	52.3		10-150				9/24/24 15:47			
13C3-HFPO-DA	66.1		25-160				9/24/24 15:47			

Project Location: Brewerton, NY

Date Received: 8/30/2024

Field Sample #: IW-25

Sample ID: 24I0055-08

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 8/28/2024 09:35

Work Order: 24I0055

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	12	10	mg/L	1	H-01	Draft Method 1633	9/4/24	9/4/24 13:57	II

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-14

Sampled: 8/28/2024 12:15

Sample ID: 24I0055-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.0	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 13:51	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-14

Sampled: 8/28/2024 12:15

Sample ID: 24I0055-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Toluene	0.25	1.0	0.11	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 13:51	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	103		70-130				9/5/24 13:51			
Toluene-d8	87.0		70-130				9/5/24 13:51			
4-Bromofluorobenzene	80.3		70-130				9/5/24 13:51			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-14

Sampled: 8/28/2024 12:15

Sample ID: 24I0055-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.2	3.8	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.41	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorohexanoic acid (PFHxA)	0.23	0.95	0.23	ng/L	1	PF-22, J	Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.95	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorooctanoic acid (PFOA)	0.26	0.95	0.25	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorononanoic acid (PFNA)	ND	0.95	0.18	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorodecanoic acid (PFDA)	ND	0.95	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.95	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.95	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.95	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.95	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.95	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.95	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.95	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.95	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.95	0.37	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.95	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.95	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.95	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.71	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	2.9	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.95	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.95	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.95	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.95	0.34	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.95	0.38	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.5	2.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.5	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	0.98	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.78	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.92	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.8	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.5	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	11	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	48	9.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.33	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-14

Sampled: 8/28/2024 12:15

Sample ID: 24I0055-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:03	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	47.0		10-130				9/24/24 16:03			
13C5-PFPeA	67.6		35-150				9/24/24 16:03			
13C5-PFHxA	65.8		55-150				9/24/24 16:03			
13C4-PFHpA	56.6		55-150				9/24/24 16:03			
13C8-PFOA	66.3		60-140				9/24/24 16:03			
13C9-PFNA	62.6		55-140				9/24/24 16:03			
13C6-PFDA	63.8		50-140				9/24/24 16:03			
13C7-PFUnA	65.8		30-140				9/24/24 16:03			
13C2-PFDoA	58.1		10-150				9/24/24 16:03			
13C2-PFTeDA	25.0		10-130				9/24/24 16:03			
13C3-PFBS	66.6		55-150				9/24/24 16:03			
13C3-PFHxS	66.5		55-150				9/24/24 16:03			
13C8-PFOS	62.6		45-140				9/24/24 16:03			
13C2-4:2FTS	164		60-200				9/24/24 16:03			
13C2-6:2FTS	94.5		60-200				9/24/24 16:03			
13C2-8:2FTS	109		50-200				9/24/24 16:03			
13C8-PFOSA	60.6		30-130				9/24/24 16:03			
D3-NMeFOSA	39.2		15-130				9/24/24 16:03			
D5-NEtFOSA	35.3		10-130				9/24/24 16:03			
D3-NMeFOSAA	61.1		45-200				9/24/24 16:03			
D5-NEtFOSAA	75.4		10-200				9/24/24 16:03			
D7-NMeFOSE	34.7		10-150				9/24/24 16:03			
D9-NEtFOSE	31.2		10-150				9/24/24 16:03			
13C3-HFPO-DA	52.1		25-160				9/24/24 16:03			

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

Project Location: Brewerton, NY Sample Description: Work Order: 24I0055
Date Received: 8/30/2024
Field Sample #: MW-14 Sampled: 8/28/2024 12:15
Sample ID: 24I0055-09
Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	26	10	mg/L	1	H-01	Draft Method 1633	9/4/24	9/4/24 13:57	II

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-14BR

Sampled: 8/28/2024 14:15

Sample ID: 24I0055-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.9	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
cis-1,2-Dichloroethylene	0.59	1.0	0.20	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 14:18	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 14:18	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-14BR

Sampled: 8/28/2024 14:15

Sample ID: 24I0055-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Trichloroethylene	0.35	1.0	0.17	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:18	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				9/5/24 14:18			
Toluene-d8	89.8		70-130				9/5/24 14:18			
4-Bromofluorobenzene	83.6		70-130				9/5/24 14:18			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-9

Sampled: 8/28/2024 10:50

Sample ID: 24I0055-11

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Benzene	ND	2.0	0.29	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Bromochloromethane	ND	2.0	0.64	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Bromodichloromethane	ND	1.0	0.37	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Bromoform	ND	2.0	0.60	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Bromomethane	ND	4.0	3.0	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
2-Butanone (MEK)	ND	40	2.8	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
n-Butylbenzene	ND	2.0	0.31	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
sec-Butylbenzene	ND	2.0	0.33	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
tert-Butylbenzene	ND	2.0	0.33	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Carbon Tetrachloride	ND	10	0.39	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Chlorobenzene	ND	2.0	0.35	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Chlorodibromomethane	ND	1.0	0.26	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Chloroethane	ND	4.0	0.92	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Chloroform	ND	4.0	0.38	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Chloromethane	ND	4.0	0.99	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.3	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.25	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,2-Dichlorobenzene	ND	2.0	0.35	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,3-Dichlorobenzene	ND	2.0	0.31	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,4-Dichlorobenzene	ND	2.0	0.33	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.40	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,1-Dichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,2-Dichloroethane	ND	2.0	0.25	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,1-Dichloroethylene	ND	2.0	0.36	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
cis-1,2-Dichloroethylene	95	2.0	0.40	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
trans-1,2-Dichloroethylene	1.3	2.0	0.31	µg/L	2	J	SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,2-Dichloropropane	ND	2.0	0.34	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
cis-1,3-Dichloropropene	ND	1.0	0.26	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
trans-1,3-Dichloropropene	ND	1.0	0.29	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Ethylbenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
2-Hexanone (MBK)	ND	20	2.7	µg/L	2	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.31	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.31	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Methyl Acetate	ND	2.0	0.96	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.33	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Methyl Cyclohexane	ND	2.0	0.27	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Methylene Chloride	ND	10	0.38	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.7	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Naphthalene	ND	4.0	0.49	µg/L	2	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 18:18	EEH
n-Propylbenzene	ND	2.0	0.22	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Styrene	ND	2.0	0.26	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-9

Sampled: 8/28/2024 10:50

Sample ID: 24I0055-11

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	1.0	0.20	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Tetrachloroethylene	6.1	2.0	0.33	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Toluene	ND	2.0	0.23	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,2,3-Trichlorobenzene	ND	10	0.43	µg/L	2	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.39	µg/L	2	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,1,1-Trichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,1,2-Trichloroethane	ND	2.0	0.36	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Trichloroethylene	59	2.0	0.33	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.29	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,2,3-Trichloropropane	ND	4.0	0.54	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.32	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,2,4-Trimethylbenzene	ND	2.0	0.31	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
1,3,5-Trimethylbenzene	ND	2.0	0.34	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Vinyl Chloride	33	4.0	0.39	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
m+p Xylene	ND	4.0	0.49	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
o-Xylene	ND	2.0	0.31	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	9/5/24	9/5/24 18:18	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.4		70-130				9/5/24 18:18			
Toluene-d8	93.6		70-130				9/5/24 18:18			
4-Bromofluorobenzene	78.0		70-130				9/5/24 18:18			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-13

Sampled: 8/28/2024 12:00

Sample ID: 24I0055-12

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	10	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Benzene	ND	5.0	0.72	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Bromochloromethane	ND	5.0	1.6	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Bromodichloromethane	ND	2.5	0.93	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Bromoform	ND	5.0	1.5	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Bromomethane	ND	10	7.4	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
2-Butanone (MEK)	ND	100	7.1	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
n-Butylbenzene	ND	5.0	0.78	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
sec-Butylbenzene	ND	5.0	0.82	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
tert-Butylbenzene	ND	5.0	0.83	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Carbon Disulfide	ND	25	7.6	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Carbon Tetrachloride	ND	25	0.97	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Chlorobenzene	ND	5.0	0.89	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Chlorodibromomethane	ND	2.5	0.64	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Chloroethane	ND	10	2.3	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Chloroform	ND	10	0.95	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Chloromethane	ND	10	2.5	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Cyclohexane	ND	25	8.8	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	3.1	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,2-Dibromoethane (EDB)	ND	2.5	0.63	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,2-Dichlorobenzene	ND	5.0	0.87	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,3-Dichlorobenzene	ND	5.0	0.77	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,4-Dichlorobenzene	ND	5.0	0.84	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	1.0	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,1-Dichloroethane	ND	5.0	0.75	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,2-Dichloroethane	ND	5.0	0.63	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,1-Dichloroethylene	ND	5.0	0.90	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
cis-1,2-Dichloroethylene	250	5.0	1.0	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
trans-1,2-Dichloroethylene	3.8	5.0	0.78	µg/L	5	J	SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,2-Dichloropropane	ND	5.0	0.85	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
cis-1,3-Dichloropropene	ND	2.5	0.64	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
trans-1,3-Dichloropropene	ND	2.5	0.72	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Ethylbenzene	ND	5.0	0.68	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
2-Hexanone (MBK)	ND	50	6.7	µg/L	5	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Isopropylbenzene (Cumene)	ND	5.0	0.78	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	5.0	0.78	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Methyl Acetate	ND	5.0	2.4	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.84	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Methyl Cyclohexane	ND	5.0	0.67	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Methylene Chloride	ND	25	0.95	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	6.8	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Naphthalene	ND	10	1.2	µg/L	5	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 18:45	EEH
n-Propylbenzene	ND	5.0	0.55	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Styrene	ND	5.0	0.64	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-13

Sampled: 8/28/2024 12:00

Sample ID: 24I0055-12

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	2.5	0.51	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Tetrachloroethylene	520	5.0	0.83	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Toluene	ND	5.0	0.57	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,2,3-Trichlorobenzene	ND	25	1.1	µg/L	5	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,2,4-Trichlorobenzene	ND	5.0	0.97	µg/L	5	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,1,1-Trichloroethane	ND	5.0	0.70	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,1,2-Trichloroethane	ND	5.0	0.91	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Trichloroethylene	210	5.0	0.83	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Trichlorofluoromethane (Freon 11)	ND	10	0.71	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,2,3-Trichloropropane	ND	10	1.3	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	0.79	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,2,4-Trimethylbenzene	ND	5.0	0.78	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
1,3,5-Trimethylbenzene	ND	5.0	0.85	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Vinyl Chloride	28	10	0.97	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
m+p Xylene	ND	10	1.2	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
o-Xylene	ND	5.0	0.78	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Xylenes (total)	ND	5.0	5.0	µg/L	5		SW-846 8260D	9/5/24	9/5/24 18:45	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				9/5/24 18:45			
Toluene-d8	88.2		70-130				9/5/24 18:45			
4-Bromofluorobenzene	78.9		70-130				9/5/24 18:45			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-13

Sampled: 8/28/2024 12:00

Sample ID: 24I0055-12

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.1	3.6	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluoropentanoic acid (PFPeA)	24	1.8	0.39	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorohexanoic acid (PFHxA)	15	0.91	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluoroheptanoic acid (PFHpA)	4.1	0.91	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorooctanoic acid (PFOA)	14	0.91	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorononanoic acid (PFNA)	1.4	0.91	0.17	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorodecanoic acid (PFDA)	ND	0.91	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.91	0.18	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.91	0.18	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.91	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.91	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorobutanesulfonic acid (PFBS)	2.4	0.91	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluoropentanesulfonic acid (PFPeS)	0.73	0.91	0.23	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorohexanesulfonic acid (PFHxS)	2.1	0.91	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.91	0.30	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorooctanesulfonic acid (PFOS)	73	0.91	0.35	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.91	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.91	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.91	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.6	0.68	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.6	2.8	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.6	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluorooctanesulfonamide (PFOSA)	0.78	0.91	0.21	ng/L	1	PF-22, J	Draft Method 1633	9/23/24	9/24/24 16:18	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.91	0.30	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.91	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.91	0.33	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
N-EtFOSAA (NEtFOSAA)	1.0	0.91	0.36	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.1	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.1	2.4	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.6	0.94	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.6	0.75	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.6	0.88	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
11Cl-PF3OUDs (F53B Major)	ND	3.6	0.97	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.1	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	45	10	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	45	8.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.8	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-13

Sampled: 8/28/2024 12:00

Sample ID: 24I0055-12

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.8	0.49	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.50	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:18	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	73.7		10-130				9/24/24 16:18			
13C5-PFPeA	76.2		35-150				9/24/24 16:18			
13C5-PFHxA	68.8		55-150				9/24/24 16:18			
13C4-PFHpA	62.8		55-150				9/24/24 16:18			
13C8-PFOA	67.3		60-140				9/24/24 16:18			
13C9-PFNA	64.6		55-140				9/24/24 16:18			
13C6-PFDA	63.8		50-140				9/24/24 16:18			
13C7-PFUnA	68.2		30-140				9/24/24 16:18			
13C2-PFDoA	61.3		10-150				9/24/24 16:18			
13C2-PFTeDA	57.3		10-130				9/24/24 16:18			
13C3-PFBS	70.9		55-150				9/24/24 16:18			
13C3-PFHxS	68.4		55-150				9/24/24 16:18			
13C8-PFOS	66.3		45-140				9/24/24 16:18			
13C2-4:2FTS	128		60-200				9/24/24 16:18			
13C2-6:2FTS	102		60-200				9/24/24 16:18			
13C2-8:2FTS	75.5		50-200				9/24/24 16:18			
13C8-PFOSA	56.3		30-130				9/24/24 16:18			
D3-NMeFOSA	44.2		15-130				9/24/24 16:18			
D5-NEtFOSA	43.8		10-130				9/24/24 16:18			
D3-NMeFOSAA	63.8		45-200				9/24/24 16:18			
D5-NEtFOSAA	67.5		10-200				9/24/24 16:18			
D7-NMeFOSE	47.5		10-150				9/24/24 16:18			
D9-NEtFOSE	47.3		10-150				9/24/24 16:18			
13C3-HFPO-DA	63.8		25-160				9/24/24 16:18			

Project Location: Brewerton, NY

Date Received: 8/30/2024

Field Sample #: MW-13

Sample ID: 24I0055-12

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 8/28/2024 12:00

Work Order: 24I0055

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	12	10	mg/L	1	H-01	Draft Method 1633	9/4/24	9/4/24 14:09	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-7

Sampled: 8/28/2024 14:15

Sample ID: 24I0055-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
cis-1,2-Dichloroethylene	11	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	V-05, L-04	SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	V-05, L-04	SW-846 8260D	9/5/24	9/5/24 14:45	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-7

Sampled: 8/28/2024 14:15

Sample ID: 24I0055-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	V-05, L-04	SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	V-05, L-04	SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Trichloroethylene	0.35	1.0	0.17	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Vinyl Chloride	18	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 14:45	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	98.2		70-130				9/5/24 14:45			
Toluene-d8	84.1		70-130				9/5/24 14:45			
4-Bromofluorobenzene	80.8		70-130				9/5/24 14:45			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-7

Sampled: 8/28/2024 14:15

Sample ID: 24I0055-13

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.3	3.7	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluoropentanoic acid (PFPeA)	12	1.8	0.39	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorohexanoic acid (PFHxA)	7.6	0.92	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluoroheptanoic acid (PFHpA)	2.3	0.92	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorooctanoic acid (PFOA)	8.5	0.92	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorononanoic acid (PFNA)	1.1	0.92	0.17	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorodecanoic acid (PFDA)	ND	0.92	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.92	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.92	0.18	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.92	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.92	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorobutanesulfonic acid (PFBS)	1.7	0.92	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.92	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorohexanesulfonic acid (PFHxS)	1.3	0.92	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.92	0.30	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorooctanesulfonic acid (PFOS)	29	0.92	0.35	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.92	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.92	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.92	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.7	0.69	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.7	2.8	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.7	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.92	0.21	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.92	0.30	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.92	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.92	0.33	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.92	0.37	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.2	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.2	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	0.95	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.7	0.76	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	0.89	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.7	0.99	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.2	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	46	10	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	46	8.7	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.8	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-7

Sampled: 8/28/2024 14:15

Sample ID: 24I0055-13

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.8	0.50	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:34	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	73.4		10-130				9/24/24 16:34			
13C5-PFPeA	79.9		35-150				9/24/24 16:34			
13C5-PFHxA	69.9		55-150				9/24/24 16:34			
13C4-PFHpA	62.5		55-150				9/24/24 16:34			
13C8-PFOA	69.2		60-140				9/24/24 16:34			
13C9-PFNA	65.4		55-140				9/24/24 16:34			
13C6-PFDA	64.4		50-140				9/24/24 16:34			
13C7-PFUnA	63.4		30-140				9/24/24 16:34			
13C2-PFDoA	56.7		10-150				9/24/24 16:34			
13C2-PFTeDA	37.6		10-130				9/24/24 16:34			
13C3-PFBS	72.5		55-150				9/24/24 16:34			
13C3-PFHxS	68.6		55-150				9/24/24 16:34			
13C8-PFOS	63.2		45-140				9/24/24 16:34			
13C2-4:2FTS	125		60-200				9/24/24 16:34			
13C2-6:2FTS	81.4		60-200				9/24/24 16:34			
13C2-8:2FTS	61.1		50-200				9/24/24 16:34			
13C8-PFOSA	56.5		30-130				9/24/24 16:34			
D3-NMeFOSA	44.8		15-130				9/24/24 16:34			
D5-NEtFOSA	40.7		10-130				9/24/24 16:34			
D3-NMeFOSAA	58.0		45-200				9/24/24 16:34			
D5-NEtFOSAA	59.4		10-200				9/24/24 16:34			
D7-NMeFOSE	39.5		10-150				9/24/24 16:34			
D9-NEtFOSE	33.1		10-150				9/24/24 16:34			
13C3-HFPO-DA	67.0		25-160				9/24/24 16:34			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-7

Sampled: 8/28/2024 14:15

Sample ID: 24I0055-13

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	10	10	mg/L	1		Draft Method 1633	9/4/24	9/4/24 14:09	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-2

Sampled: 8/29/2024 09:10

Sample ID: 24I0055-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.6	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
cis-1,2-Dichloroethylene	1.1	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	MS-09, V-05, L-04	SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1	MS-09	SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, MS-09, V-05	SW-846 8260D	9/5/24	9/5/24 15:11	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-2

Sampled: 8/29/2024 09:10

Sample ID: 24I0055-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Tetrachloroethylene	15	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	MS-09, V-05, L-04	SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	MS-09, V-05, L-04	SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Trichloroethylene	1.9	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:11	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				9/5/24 15:11			
Toluene-d8	83.2		70-130				9/5/24 15:11			
4-Bromofluorobenzene	76.3		70-130				9/5/24 15:11			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-2

Sampled: 8/29/2024 09:10

Sample ID: 24I0055-14

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.8	3.8	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluoropentanoic acid (PFPeA)	10	1.9	0.41	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorohexanoic acid (PFHxA)	8.4	0.96	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluoroheptanoic acid (PFHpA)	4.5	0.96	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorooctanoic acid (PFOA)	12	0.96	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorononanoic acid (PFNA)	1.1	0.96	0.18	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorodecanoic acid (PFDA)	0.53	0.96	0.20	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.96	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.96	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.96	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.96	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorobutanesulfonic acid (PFBS)	4.9	0.96	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluoropentanesulfonic acid (PFPeS)	2.5	0.96	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorohexanesulfonic acid (PFHxS)	6.9	0.96	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluoroheptanesulfonic acid (PFHpS)	0.60	0.96	0.32	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorooctanesulfonic acid (PFOS)	34	0.96	0.37	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.96	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.96	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.96	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.72	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	2.9	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.96	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.96	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.96	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.96	0.34	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.96	0.38	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.6	2.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.6	2.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	0.99	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.79	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.93	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
11Cl-PF3OUdS (F53B Major)	ND	3.8	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.6	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	48	11	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	48	9.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.34	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-2

Sampled: 8/29/2024 09:10

Sample ID: 24I0055-14

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.52	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 16:50	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	70.2		10-130				9/24/24 16:50			
13C5-PFPeA	79.4		35-150				9/24/24 16:50			
13C5-PFHxA	69.8		55-150				9/24/24 16:50			
13C4-PFHpA	66.1		55-150				9/24/24 16:50			
13C8-PFOA	69.9		60-140				9/24/24 16:50			
13C9-PFNA	65.3		55-140				9/24/24 16:50			
13C6-PFDA	66.4		50-140				9/24/24 16:50			
13C7-PFUnA	64.7		30-140				9/24/24 16:50			
13C2-PFDoA	61.5		10-150				9/24/24 16:50			
13C2-PFTeDA	55.4		10-130				9/24/24 16:50			
13C3-PFBS	71.2		55-150				9/24/24 16:50			
13C3-PFHxS	67.3		55-150				9/24/24 16:50			
13C8-PFOS	65.2		45-140				9/24/24 16:50			
13C2-4:2FTS	112		60-200				9/24/24 16:50			
13C2-6:2FTS	83.3		60-200				9/24/24 16:50			
13C2-8:2FTS	60.1		50-200				9/24/24 16:50			
13C8-PFOSA	59.2		30-130				9/24/24 16:50			
D3-NMeFOSA	45.6		15-130				9/24/24 16:50			
D5-NEtFOSA	45.4		10-130				9/24/24 16:50			
D3-NMeFOSAA	60.2		45-200				9/24/24 16:50			
D5-NEtFOSAA	67.6		10-200				9/24/24 16:50			
D7-NMeFOSE	48.1		10-150				9/24/24 16:50			
D9-NEtFOSE	47.6		10-150				9/24/24 16:50			
13C3-HFPO-DA	63.6		25-160				9/24/24 16:50			

Project Location: Brewerton, NY

Date Received: 8/30/2024

Field Sample #: MW-2

Sample ID: 24I0055-14

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 8/29/2024 09:10

Work Order: 24I0055

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1	H-01	Draft Method 1633	9/5/24	9/5/24 13:37	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-1R

Sampled: 8/29/2024 10:45

Sample ID: 24I0055-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.7	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Benzene	3.5	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,1-Dichloroethane	0.70	1.0	0.15	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
cis-1,2-Dichloroethylene	37	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
trans-1,2-Dichloroethylene	0.64	1.0	0.16	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Ethylbenzene	0.19	1.0	0.14	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 15:38	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Methyl tert-Butyl Ether (MTBE)	2.8	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 15:38	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Sampled: 8/29/2024 10:45

Field Sample #: MW-1R

Sample ID: 24I0055-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Tetrachloroethylene	2.0	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Trichloroethylene	5.2	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Vinyl Chloride	13	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
m+p Xylene	0.25	2.0	0.25	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 15:38	EEH
o-Xylene	0.34	1.0	0.16	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 15:38	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.7		70-130				9/5/24 15:38			
Toluene-d8	92.2		70-130				9/5/24 15:38			
4-Bromofluorobenzene	80.6		70-130				9/5/24 15:38			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-1R

Sampled: 8/29/2024 10:45

Sample ID: 24I0055-15

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	29	3.7	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluoropentanoic acid (PFPeA)	82	1.8	0.39	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorohexanoic acid (PFHxA)	46	0.92	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluoroheptanoic acid (PFHpA)	28	0.92	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorooctanoic acid (PFOA)	87	0.92	0.24	ng/L	1	S-29	Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorononanoic acid (PFNA)	9.1	0.92	0.17	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorodecanoic acid (PFDA)	8.3	0.92	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluoroundecanoic acid (PFUnA)	0.30	0.92	0.19	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.92	0.18	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.92	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.92	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorobutanesulfonic acid (PFBS)	5.9	0.92	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluoropentanesulfonic acid (PFPeS)	3.0	0.92	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorohexanesulfonic acid (PFHxS)	9.0	0.92	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluoroheptanesulfonic acid (PFHpS)	3.9	0.92	0.30	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorooctanesulfonic acid (PFOS)	630	9.2	3.5	ng/L	10	D	Draft Method 1633	9/23/24	9/25/24 21:51	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.92	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.92	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.92	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.7	0.68	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.7	2.8	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.7	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluorooctanesulfonamide (PFOSA)	5.3	0.92	0.21	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.92	0.30	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.92	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
N-MeFOSAA (NMeFOSAA)	1.4	0.92	0.33	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
N-EtFOSAA (NEtFOSAA)	7.3	0.92	0.37	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.2	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.2	2.4	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.7	0.94	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.7	0.75	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.7	0.88	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
11Cl-PF3OUDs (F53B Major)	ND	3.7	0.98	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.2	2.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	46	10	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	46	8.7	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.8	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-1R

Sampled: 8/29/2024 10:45

Sample ID: 24I0055-15

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.8	0.49	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 17:06	AMS
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
13C4-PFBA		71.3		10-130		9/24/24 17:06				
13C5-PFPeA		67.5		35-150		9/24/24 17:06				
13C5-PFHxA		61.2		55-150		9/24/24 17:06				
13C4-PFHpA		55.9		55-150		9/24/24 17:06				
13C8-PFOA		58.6		60-140		S-29		9/24/24 17:06		
13C9-PFNA		57.3		55-140		9/24/24 17:06				
13C6-PFDA		54.2		50-140		9/24/24 17:06				
13C7-PFUnA		59.0		30-140		9/24/24 17:06				
13C2-PFDoA		57.3		10-150		9/24/24 17:06				
13C2-PFTeDA		50.3		10-130		9/24/24 17:06				
13C3-PFBS		62.6		55-150		9/24/24 17:06				
13C3-PFHxS		58.9		55-150		9/24/24 17:06				
13C8-PFOS		57.1		45-140		9/24/24 17:06				
13C8-PFOS		58.3		45-140		9/25/24 21:51				
13C2-4:2FTS		128		60-200		9/24/24 17:06				
13C2-6:2FTS		115		60-200		9/24/24 17:06				
13C2-8:2FTS		81.1		50-200		9/24/24 17:06				
13C8-PFOSA		54.5		30-130		9/24/24 17:06				
D3-NMeFOSA		42.7		15-130		9/24/24 17:06				
D5-NEtFOSA		39.8		10-130		9/24/24 17:06				
D3-NMeFOSAA		56.5		45-200		9/24/24 17:06				
D5-NEtFOSAA		60.4		10-200		9/24/24 17:06				
D7-NMeFOSE		44.4		10-150		9/24/24 17:06				
D9-NEtFOSE		41.0		10-150		9/24/24 17:06				
13C3-HFPO-DA		58.2		25-160		9/24/24 17:06				

Project Location: Brewerton, NY

Date Received: 8/30/2024

Field Sample #: MW-1R

Sample ID: 24I0055-15

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 8/29/2024 10:45

Work Order: 24I0055

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	32	10	mg/L	1	H-01	Draft Method 1633	9/5/24	9/5/24 13:54	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-5

Sampled: 8/29/2024 10:00

Sample ID: 24I0055-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.4	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:05	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-5

Sampled: 8/29/2024 10:00

Sample ID: 24I0055-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:05	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	98.2		70-130				9/5/24 16:05			
Toluene-d8	83.6		70-130				9/5/24 16:05			
4-Bromofluorobenzene	78.3		70-130				9/5/24 16:05			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-5

Sampled: 8/29/2024 10:00

Sample ID: 24I0055-16

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	10	3.9	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluoropentanoic acid (PFPeA)	11	2.0	0.42	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorohexanoic acid (PFHxA)	6.5	0.98	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluoroheptanoic acid (PFHpA)	3.5	0.98	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorooctanoic acid (PFOA)	10	0.98	0.26	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorononanoic acid (PFNA)	0.82	0.98	0.18	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorodecanoic acid (PFDA)	ND	0.98	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.98	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.98	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.98	0.29	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.98	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorobutanesulfonic acid (PFBS)	5.2	0.98	0.21	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluoropentanesulfonic acid (PFPeS)	1.7	0.98	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorohexanesulfonic acid (PFHxS)	3.2	0.98	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.98	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorooctanesulfonic acid (PFOS)	2.6	0.98	0.38	ng/L	1	PF-23	Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.98	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.98	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.98	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.9	0.73	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.9	3.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.9	1.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.98	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.98	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.98	0.33	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.98	0.35	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.98	0.39	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.8	2.7	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.8	2.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.9	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.9	0.80	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.9	0.94	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
11Cl-PF3OUDs (F53B Major)	ND	3.9	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.8	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	49	11	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	49	9.3	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.34	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.54	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: MW-5

Sampled: 8/29/2024 10:00

Sample ID: 24I0055-16

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.54	ng/L	1		Draft Method 1633	9/23/24	9/24/24 18:47	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	72.7		10-130				9/24/24 18:47			
13C5-PFPeA	63.6		35-150				9/24/24 18:47			
13C5-PFHxA	69.6		55-150				9/24/24 18:47			
13C4-PFHpA	66.3		55-150				9/24/24 18:47			
13C8-PFOA	65.4		60-140				9/24/24 18:47			
13C9-PFNA	63.3		55-140				9/24/24 18:47			
13C6-PFDA	65.4		50-140				9/24/24 18:47			
13C7-PFUnA	66.6		30-140				9/24/24 18:47			
13C2-PFDoA	66.3		10-150				9/24/24 18:47			
13C2-PFTeDA	63.1		10-130				9/24/24 18:47			
13C3-PFBS	72.3		55-150				9/24/24 18:47			
13C3-PFHxS	66.7		55-150				9/24/24 18:47			
13C8-PFOS	67.9		45-140				9/24/24 18:47			
13C2-4:2FTS	127		60-200				9/24/24 18:47			
13C2-6:2FTS	110		60-200				9/24/24 18:47			
13C2-8:2FTS	78.6		50-200				9/24/24 18:47			
13C8-PFOSA	63.2		30-130				9/24/24 18:47			
D3-NMeFOSA	51.8		15-130				9/24/24 18:47			
D5-NEtFOSA	49.5		10-130				9/24/24 18:47			
D3-NMeFOSAA	66.9		45-200				9/24/24 18:47			
D5-NEtFOSAA	73.8		10-200				9/24/24 18:47			
D7-NMeFOSE	57.7		10-150				9/24/24 18:47			
D9-NEtFOSE	56.7		10-150				9/24/24 18:47			
13C3-HFPO-DA	60.8		25-160				9/24/24 18:47			

Project Location: Brewerton, NY

Date Received: 8/30/2024

Field Sample #: MW-5

Sample ID: 24I0055-16

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 8/29/2024 10:00

Work Order: 24I0055

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1	H-01	Draft Method 1633	9/5/24	9/5/24 13:54	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-31

Sampled: 8/29/2024 12:30

Sample ID: 24I0055-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.7	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
cis-1,2-Dichloroethylene	1.5	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:31	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: IW-31

Sampled: 8/29/2024 12:30

Sample ID: 24I0055-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Vinyl Chloride	0.96	2.0	0.19	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 16:31	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:31	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.1		70-130				9/5/24 16:31			
Toluene-d8	84.7		70-130				9/5/24 16:31			
4-Bromofluorobenzene	79.5		70-130				9/5/24 16:31			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-31

Sampled: 8/29/2024 12:30

Sample ID: 24I0055-17

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.9	3.8	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluoropentanoic acid (PFPeA)	16	1.9	0.41	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorohexanoic acid (PFHxA)	9.0	0.96	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluoroheptanoic acid (PFHpA)	2.2	0.96	0.26	ng/L	1	S-29	Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorooctanoic acid (PFOA)	7.5	0.96	0.25	ng/L	1	S-29	Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorononanoic acid (PFNA)	1.5	0.96	0.18	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorodecanoic acid (PFDA)	ND	0.96	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.96	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.96	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.96	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.96	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorobutanesulfonic acid (PFBS)	2.6	0.96	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluoropentanesulfonic acid (PFPeS)	0.51	0.96	0.25	ng/L	1	J	Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorohexanesulfonic acid (PFHxS)	1.8	0.96	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.96	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorooctanesulfonic acid (PFOS)	40	0.96	0.37	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.96	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.96	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.96	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.72	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	2.9	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.96	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.96	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.96	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.96	0.34	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.96	0.38	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.6	2.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.6	2.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	0.99	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.79	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.93	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
11Cl-PF3OUDs (F53B Major)	ND	3.8	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.6	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	11	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	48	9.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.34	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-31

Sampled: 8/29/2024 12:30

Sample ID: 24I0055-17

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.52	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:03	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	67.2		10-130				9/24/24 19:03			
13C5-PFPeA	67.9		35-150				9/24/24 19:03			
13C5-PFHxA	60.2		55-150				9/24/24 19:03			
13C4-PFHpa	52.1		55-150		S-29		9/24/24 19:03			
13C8-PFOA	56.8		60-140		S-29		9/24/24 19:03			
13C9-PFNA	57.3		55-140				9/24/24 19:03			
13C6-PFDA	56.6		50-140				9/24/24 19:03			
13C7-PFUnA	53.8		30-140				9/24/24 19:03			
13C2-PFDoA	49.9		10-150				9/24/24 19:03			
13C2-PFTeDA	34.4		10-130				9/24/24 19:03			
13C3-PFBS	64.1		55-150				9/24/24 19:03			
13C3-PFHxS	59.7		55-150				9/24/24 19:03			
13C8-PFOS	52.3		45-140				9/24/24 19:03			
13C2-4:2FTS	131		60-200				9/24/24 19:03			
13C2-6:2FTS	86.2		60-200				9/24/24 19:03			
13C2-8:2FTS	60.4		50-200				9/24/24 19:03			
13C8-PFOSA	51.9		30-130				9/24/24 19:03			
D3-NMeFOSA	38.9		15-130				9/24/24 19:03			
D5-NEtFOSA	35.6		10-130				9/24/24 19:03			
D3-NMeFOSAA	49.3		45-200				9/24/24 19:03			
D5-NEtFOSAA	49.9		10-200				9/24/24 19:03			
D7-NMeFOSE	35.9		10-150				9/24/24 19:03			
D9-NEtFOSE	30.9		10-150				9/24/24 19:03			
13C3-HFPO-DA	52.8		25-160				9/24/24 19:03			

Project Location: Brewerton, NY

Date Received: 8/30/2024

Field Sample #: IW-31

Sample ID: 24I0055-17

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 8/29/2024 12:30

Work Order: 24I0055

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	38	10	mg/L	1	H-01	Draft Method 1633	9/5/24	9/5/24 13:54	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-29

Sampled: 8/29/2024 13:20

Sample ID: 24I0055-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.7	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
cis-1,2-Dichloroethylene	0.97	1.0	0.20	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 16:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:58	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: 1W-29

Sampled: 8/29/2024 13:20

Sample ID: 24I0055-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Trichloroethylene	0.18	1.0	0.17	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Vinyl Chloride	0.52	2.0	0.19	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 16:58	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 16:58	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.5		70-130				9/5/24 16:58			
Toluene-d8	90.0		70-130				9/5/24 16:58			
4-Bromofluorobenzene	76.1		70-130				9/5/24 16:58			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: DUP-20240829

Sampled: 8/29/2024 00:00

Sample ID: 24I0055-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.6	50	2.0	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Benzene	3.4	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,1-Dichloroethane	0.71	1.0	0.15	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
cis-1,2-Dichloroethylene	37	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
trans-1,2-Dichloroethylene	0.62	1.0	0.16	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Ethylbenzene	0.17	1.0	0.14	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 17:25	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Methyl tert-Butyl Ether (MTBE)	2.8	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 17:25	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: DUP-20240829

Sampled: 8/29/2024 00:00

Sample ID: 24I0055-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Tetrachloroethylene	1.9	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Trichloroethylene	5.2	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Vinyl Chloride	12	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
o-Xylene	0.35	1.0	0.16	µg/L	1	J	SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 17:25	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	98.4		70-130				9/5/24 17:25			
Toluene-d8	85.6		70-130				9/5/24 17:25			
4-Bromofluorobenzene	81.4		70-130				9/5/24 17:25			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: DUP-20240829

Sampled: 8/29/2024 00:00

Sample ID: 24I0055-19

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	29	3.8	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluoropentanoic acid (PFPeA)	80	1.9	0.41	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorohexanoic acid (PFHxA)	46	0.95	0.23	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluoroheptanoic acid (PFHpA)	28	0.95	0.25	ng/L	1	S-29	Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorooctanoic acid (PFOA)	87	0.95	0.25	ng/L	1	S-29	Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorononanoic acid (PFNA)	9.0	0.95	0.18	ng/L	1	S-29	Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorodecanoic acid (PFDA)	8.5	0.95	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.95	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.95	0.19	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.95	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.95	0.25	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorobutanesulfonic acid (PFBS)	5.1	0.95	0.20	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluoropentanesulfonic acid (PFPeS)	2.5	0.95	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorohexanesulfonic acid (PFHxS)	8.9	0.95	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluoroheptanesulfonic acid (PFHpS)	4.0	0.95	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorooctanesulfonic acid (PFOS)	640	9.5	3.7	ng/L	10	D	Draft Method 1633	9/23/24	9/25/24 22:07	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.95	0.24	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.95	0.27	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.95	0.28	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.71	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	2.9	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.95	0.22	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.95	0.31	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.95	0.32	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
N-MeFOSAA (NMeFOSAA)	1.2	0.95	0.34	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
N-EtFOSAA (NEtFOSAA)	7.2	0.95	0.38	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.5	2.6	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.5	2.5	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	0.98	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.78	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.92	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
11Cl-PF3OUDS (F53B Major)	ND	3.8	1.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.5	2.1	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	ND	48	11	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	48	9.0	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.33	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: DUP-20240829

Sampled: 8/29/2024 00:00

Sample ID: 24I0055-19

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.51	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/23/24	9/24/24 19:19	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	71.4		10-130				9/24/24 19:19			
13C5-PFPeA	67.9		35-150				9/24/24 19:19			
13C5-PFHxA	58.3		55-150				9/24/24 19:19			
13C4-PFHpA	54.6	*	55-150		S-29		9/24/24 19:19			
13C8-PFOA	55.0	*	60-140		S-29		9/24/24 19:19			
13C9-PFNA	53.6	*	55-140		S-29		9/24/24 19:19			
13C6-PFDA	54.1		50-140				9/24/24 19:19			
13C7-PFUnA	57.9		30-140				9/24/24 19:19			
13C2-PFDoA	53.1		10-150				9/24/24 19:19			
13C2-PFTeDA	43.8		10-130				9/24/24 19:19			
13C3-PFBS	61.1		55-150				9/24/24 19:19			
13C3-PFHxS	55.7		55-150				9/24/24 19:19			
13C8-PFOS	51.2		45-140				9/24/24 19:19			
13C8-PFOS	60.0		45-140				9/25/24 22:07			
13C2-4:2FTS	131		60-200				9/24/24 19:19			
13C2-6:2FTS	106		60-200				9/24/24 19:19			
13C2-8:2FTS	76.2		50-200				9/24/24 19:19			
13C8-PFOSA	53.6		30-130				9/24/24 19:19			
D3-NMeFOSA	40.8		15-130				9/24/24 19:19			
D5-NEtFOSA	38.3		10-130				9/24/24 19:19			
D3-NMeFOSAA	53.5		45-200				9/24/24 19:19			
D5-NEtFOSAA	56.7		10-200				9/24/24 19:19			
D7-NMeFOSE	41.0		10-150				9/24/24 19:19			
D9-NEtFOSE	36.4		10-150				9/24/24 19:19			
13C3-HFPO-DA	54.1		25-160				9/24/24 19:19			

Project Location: Brewerton, NY

Date Received: 8/30/2024

Field Sample #: DUP-20240829

Sample ID: 24I0055-19

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 8/29/2024 00:00

Work Order: 24I0055

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	28	10	mg/L	1		Draft Method 1633	9/4/24	9/4/24 14:09	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: TRIP BLANK

Sampled: 8/29/2024 00:00

Sample ID: 24I0055-20

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Naphthalene	ND	2.0	0.25	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 10:45	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: TRIP BLANK

Sampled: 8/29/2024 00:00

Sample ID: 24I0055-20

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	V-05, L-04	SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/5/24	9/5/24 10:45	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.2		70-130				9/5/24 10:45			
Toluene-d8	90.5		70-130				9/5/24 10:45			
4-Bromofluorobenzene	84.5		70-130				9/5/24 10:45			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: EquipmentBlank-20240829

Sampled: 8/29/2024 11:15

Sample ID: 24I0055-21

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	3.8	2.1	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.41	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorohexanoic acid (PFHxA)	ND	0.95	0.23	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluoroheptanoic acid (PFHpA)	ND	0.95	0.25	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorooctanoic acid (PFOA)	ND	0.95	0.25	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorononanoic acid (PFNA)	ND	0.95	0.18	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorodecanoic acid (PFDA)	ND	0.95	0.20	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.95	0.19	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.95	0.19	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.95	0.28	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.95	0.25	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	0.95	0.20	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.95	0.24	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.95	0.27	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.95	0.31	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.95	0.36	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.95	0.24	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.95	0.27	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.95	0.27	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	3.8	0.71	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	3.8	2.9	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	3.8	1.1	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.95	0.22	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.95	0.31	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.95	0.32	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.95	0.34	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.95	0.38	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.5	2.6	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.5	2.5	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	3.8	0.98	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	3.8	0.78	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
9Cl-PF3ONS (F53B Minor)	ND	3.8	0.92	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
11Cl-PF3OUDs (F53B Major)	ND	3.8	1.0	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.5	2.1	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	48	11	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
3-Perfluoroheptyl propanoic acid (FHPrPA) (7:3FTCA)	ND	48	9.0	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.33	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	1.9	0.53	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: EquipmentBlank-20240829

Sampled: 8/29/2024 11:15

Sample ID: 24I0055-21

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	1.9	0.51	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.52	ng/L	1		Draft Method 1633	9/19/24	9/20/24 20:42	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	81.1		10-130				9/20/24 20:42			
13C5-PFPeA	83.5		35-150				9/20/24 20:42			
13C5-PFHxA	78.8		55-150				9/20/24 20:42			
13C4-PFHpA	75.0		55-150				9/20/24 20:42			
13C8-PFOA	81.2		60-140				9/20/24 20:42			
13C9-PFNA	79.8		55-140				9/20/24 20:42			
13C6-PFDA	74.8		50-140				9/20/24 20:42			
13C7-PFUnA	80.9		30-140				9/20/24 20:42			
13C2-PFDoA	70.2		10-150				9/20/24 20:42			
13C2-PFTeDA	68.3		10-130				9/20/24 20:42			
13C3-PFBS	79.8		55-150				9/20/24 20:42			
13C3-PFHxS	78.5		55-150				9/20/24 20:42			
13C8-PFOS	78.3		45-140				9/20/24 20:42			
13C2-4:2FTS	73.4		60-200				9/20/24 20:42			
13C2-6:2FTS	76.0		60-200				9/20/24 20:42			
13C2-8:2FTS	74.1		50-200				9/20/24 20:42			
13C8-PFOSA	63.5		30-130				9/20/24 20:42			
D3-NMeFOSA	60.0		15-130				9/20/24 20:42			
D5-NEtFOSA	60.7		10-130				9/20/24 20:42			
D3-NMeFOSAA	73.1		45-200				9/20/24 20:42			
D5-NEtFOSAA	74.4		10-200				9/20/24 20:42			
D7-NMeFOSE	65.6		10-150				9/20/24 20:42			
D9-NEtFOSE	68.7		10-150				9/20/24 20:42			
13C3-HFPO-DA	76.3		25-160				9/20/24 20:42			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24I0055

Date Received: 8/30/2024

Field Sample #: EquipmentBlank-20240829

Sampled: 8/29/2024 11:15

Sample ID: 24I0055-21

Sample Matrix: Equipment Blank Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	10	mg/L	1		Draft Method 1633	9/9/24	9/9/24 11:01	LL

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

Sample Extraction Data**Draft Method 1633**

Lab Number [Field ID]	Batch	Initial [mL]	Date
24I0055-01 [MW-15BR]	B384905	50.0	09/04/24
24I0055-02 [MW-10]	B384905	50.0	09/04/24
24I0055-04 [MW-12]	B384905	50.0	09/04/24
24I0055-06 [IW-18]	B384905	50.0	09/04/24
24I0055-08 [IW-25]	B384905	50.0	09/04/24
24I0055-09 [MW-14]	B384905	50.0	09/04/24

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
24I0055-12 [MW-13]	B384906	50.0	09/04/24
24I0055-13 [MW-7]	B384906	50.0	09/04/24
24I0055-19 [DUP-20240829]	B384906	50.0	09/04/24

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
24I0055-14 [MW-2]	B385056	50.0	09/05/24

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
24I0055-15 [MW-1R]	B385057	50.0	09/05/24
24I0055-16 [MW-5]	B385057	50.0	09/05/24
24I0055-17 [IW-31]	B385057	50.0	09/05/24

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
24I0055-21 [EquipmentBlank-20240829]	B385420	50.0	09/09/24

Prep Method:Draft Method 1633 Analytical Method:Draft Method 1633 Leachates were extracted on 9/9/2024 per NO PREP in Batch B385420

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24I0055-21 [EquipmentBlank-20240829]	B386186	526	5.00	09/19/24

Prep Method:Draft Method 1633 Analytical Method:Draft Method 1633 Leachates were extracted on 9/4/2024 per NO PREP in Batch B384905

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24I0055-01 [MW-15BR]	B386610	540	5.00	09/23/24
24I0055-02 [MW-10]	B386610	101	5.00	09/23/24
24I0055-04 [MW-12]	B386610	530	5.00	09/23/24
24I0055-06 [IW-18]	B386610	523	5.00	09/23/24
24I0055-08 [IW-25]	B386610	540	5.00	09/23/24
24I0055-09 [MW-14]	B386610	525	5.00	09/23/24
24I0055-12 [MW-13]	B386610	550	5.00	09/23/24
24I0055-13 [MW-7]	B386610	544	5.00	09/23/24

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

Sample Extraction Data

Prep Method:Draft Method 1633 Analytical Method:Draft Method 1633 Leachates were extracted on 9/5/2024 per NO PREP in Batch B385056

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24I0055-14 [MW-2]	B386610	520	5.00	09/23/24
24I0055-15 [MW-1R]	B386610	546	5.00	09/23/24
24I0055-15RE1 [MW-1R]	B386610	546	5.00	09/23/24
24I0055-16 [MW-5]	B386610	511	5.00	09/23/24
24I0055-17 [IW-31]	B386610	520	5.00	09/23/24
24I0055-19 [DUP-20240829]	B386610	525	5.00	09/23/24
24I0055-19RE1 [DUP-20240829]	B386610	525	5.00	09/23/24

Prep Method:SW-846 5030B Analytical Method:SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24I0055-01 [MW-15BR]	B385062	5	5.00	09/05/24
24I0055-03 [MW-10BR]	B385062	5	5.00	09/05/24
24I0055-04 [MW-12]	B385062	5	5.00	09/05/24
24I0055-05 [IW-17]	B385062	5	5.00	09/05/24
24I0055-06 [IW-18]	B385062	5	5.00	09/05/24
24I0055-07 [IW-14]	B385062	5	5.00	09/05/24
24I0055-08 [IW-25]	B385062	0.25	5.00	09/05/24
24I0055-09 [MW-14]	B385062	5	5.00	09/05/24
24I0055-10 [MW-14BR]	B385062	5	5.00	09/05/24
24I0055-11 [MW-9]	B385062	2.5	5.00	09/05/24
24I0055-12 [MW-13]	B385062	1	5.00	09/05/24
24I0055-13 [MW-7]	B385062	5	5.00	09/05/24
24I0055-14 [MW-2]	B385062	5	5.00	09/05/24
24I0055-15 [MW-1R]	B385062	5	5.00	09/05/24
24I0055-16 [MW-5]	B385062	5	5.00	09/05/24
24I0055-17 [IW-31]	B385062	5	5.00	09/05/24
24I0055-18 [IW-29]	B385062	5	5.00	09/05/24
24I0055-19 [DUP-20240829]	B385062	5	5.00	09/05/24
24I0055-20 [TRIP BLANK]	B385062	5	5.00	09/05/24

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B385062 - SW-846 5030B
Blank (B385062-BLK1)

Prepared & Analyzed: 09/05/24

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							L-04, V-05
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							L-04, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							L-04, V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L							L-04, V-05
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B385062 - SW-846 5030B										
Blank (B385062-BLK1)				Prepared & Analyzed: 09/05/24						
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.7		µg/L	25.00		98.9	70-130			
Surrogate: Toluene-d8	21.4		µg/L	25.00		85.6	70-130			
Surrogate: 4-Bromofluorobenzene	19.7		µg/L	25.00		78.8	70-130			
LCS (B385062-BS1)				Prepared & Analyzed: 09/05/24						
Acetone	88.7	50	µg/L	100.0		88.7	70-160			†
Benzene	11.3	1.0	µg/L	10.00		113	70-130			V-20
Bromochloromethane	11.1	1.0	µg/L	10.00		111	70-130			V-20
Bromodichloromethane	9.81	0.50	µg/L	10.00		98.1	70-130			
Bromoform	7.95	1.0	µg/L	10.00		79.5	70-130			
Bromomethane	11.1	2.0	µg/L	10.00		111	40-160		V-20	†
2-Butanone (MEK)	93.7	20	µg/L	100.0		93.7	40-160			†
n-Butylbenzene	8.04	1.0	µg/L	10.00		80.4	70-130			
sec-Butylbenzene	9.19	1.0	µg/L	10.00		91.9	70-130			
tert-Butylbenzene	9.20	1.0	µg/L	10.00		92.0	70-130			
Carbon Disulfide	109	5.0	µg/L	100.0		109	70-130			
Carbon Tetrachloride	7.62	5.0	µg/L	10.00		76.2	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.00		106	70-130			
Chlorodibromomethane	8.99	0.50	µg/L	10.00		89.9	70-130			
Chloroethane	9.62	2.0	µg/L	10.00		96.2	70-130			
Chloroform	10.6	2.0	µg/L	10.00		106	70-130			
Chloromethane	13.3	2.0	µg/L	10.00		133	40-160		V-20	†
Cyclohexane	10.7	5.0	µg/L	10.00		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.90	5.0	µg/L	10.00		79.0	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.00		102	70-130			
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.00		102	70-130			
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.00		104	70-130			
1,4-Dichlorobenzene	9.91	1.0	µg/L	10.00		99.1	70-130			
Dichlorodifluoromethane (Freon 12)	9.56	2.0	µg/L	10.00		95.6	40-160			†
1,1-Dichloroethane	10.4	1.0	µg/L	10.00		104	70-130			
1,2-Dichloroethane	10.7	1.0	µg/L	10.00		107	70-130			
1,1-Dichloroethylene	9.68	1.0	µg/L	10.00		96.8	70-130			
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.00		102	70-130			
trans-1,2-Dichloroethylene	9.71	1.0	µg/L	10.00		97.1	70-130			
1,2-Dichloropropane	10.6	1.0	µg/L	10.00		106	70-130			
cis-1,3-Dichloropropene	9.31	0.50	µg/L	10.00		93.1	70-130			
trans-1,3-Dichloropropene	8.51	0.50	µg/L	10.00		85.1	70-130			
Ethylbenzene	10.3	1.0	µg/L	10.00		103	70-130			
2-Hexanone (MBK)	64.8	10	µg/L	100.0		64.8	* 70-160		L-04, V-05	†
Isopropylbenzene (Cumene)	8.97	1.0	µg/L	10.00		89.7	70-130			
p-Isopropyltoluene (p-Cymene)	9.06	1.0	µg/L	10.00		90.6	70-130			
Methyl Acetate	11.5	1.0	µg/L	10.00		115	70-130			V-20
Methyl tert-Butyl Ether (MTBE)	9.70	1.0	µg/L	10.00		97.0	70-130			

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B385062 - SW-846 5030B
LCS (B385062-BS1)

Prepared & Analyzed: 09/05/24

Methyl Cyclohexane	11.1	1.0	µg/L	10.00		111	70-130			V-20
Methylene Chloride	9.48	5.0	µg/L	10.00		94.8	70-130			
4-Methyl-2-pentanone (MIBK)	76.9	10	µg/L	100.0		76.9	70-160			†
Naphthalene	3.73	2.0	µg/L	10.00		37.3	* 40-130			L-04, V-05 †
n-Propylbenzene	8.91	1.0	µg/L	10.00		89.1	70-130			
Styrene	8.54	1.0	µg/L	10.00		85.4	70-130			
1,1,2,2-Tetrachloroethane	9.65	0.50	µg/L	10.00		96.5	70-130			
Tetrachloroethylene	11.2	1.0	µg/L	10.00		112	70-130			
Toluene	10.7	1.0	µg/L	10.00		107	70-130			
1,2,3-Trichlorobenzene	6.53	5.0	µg/L	10.00		65.3	* 70-130			L-04, V-05
1,2,4-Trichlorobenzene	6.01	1.0	µg/L	10.00		60.1	* 70-130			L-04, V-05
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.00		102	70-130			
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.00		104	70-130			
Trichloroethylene	10.7	1.0	µg/L	10.00		107	70-130			
Trichlorofluoromethane (Freon 11)	10.0	2.0	µg/L	10.00		100	70-130			
1,2,3-Trichloropropane	9.84	2.0	µg/L	10.00		98.4	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.00		107	70-130			
1,2,4-Trimethylbenzene	9.44	1.0	µg/L	10.00		94.4	70-130			
1,3,5-Trimethylbenzene	9.18	1.0	µg/L	10.00		91.8	70-130			
Vinyl Chloride	9.03	2.0	µg/L	10.00		90.3	40-160			†
m+p Xylene	19.8	2.0	µg/L	20.00		98.8	70-130			
o-Xylene	9.12	1.0	µg/L	10.00		91.2	70-130			
Xylenes (total)	28.9	1.0	µg/L	30.00		96.2	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.9		µg/L	25.00		95.6	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.00		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	22.3		µg/L	25.00		89.4	70-130			

LCS Dup (B385062-BSD1)

Prepared & Analyzed: 09/05/24

Acetone	84.1	50	µg/L	100.0		84.1	70-160	5.35	25	†
Benzene	11.8	1.0	µg/L	10.00		118	70-130	4.07	25	V-20
Bromochloromethane	11.7	1.0	µg/L	10.00		117	70-130	5.87	25	V-20
Bromodichloromethane	9.15	0.50	µg/L	10.00		91.5	70-130	6.96	25	
Bromoform	8.28	1.0	µg/L	10.00		82.8	70-130	4.07	25	
Bromomethane	12.2	2.0	µg/L	10.00		122	40-160	9.44	25	V-20 †
2-Butanone (MEK)	87.9	20	µg/L	100.0		87.9	40-160	6.35	25	†
n-Butylbenzene	8.13	1.0	µg/L	10.00		81.3	70-130	1.11	25	
sec-Butylbenzene	9.69	1.0	µg/L	10.00		96.9	70-130	5.30	25	
tert-Butylbenzene	9.69	1.0	µg/L	10.00		96.9	70-130	5.19	25	
Carbon Disulfide	110	5.0	µg/L	100.0		110	70-130	1.08	25	
Carbon Tetrachloride	7.27	5.0	µg/L	10.00		72.7	70-130	4.70	25	
Chlorobenzene	11.0	1.0	µg/L	10.00		110	70-130	3.06	25	
Chlorodibromomethane	8.44	0.50	µg/L	10.00		84.4	70-130	6.31	25	
Chloroethane	9.36	2.0	µg/L	10.00		93.6	70-130	2.74	25	
Chloroform	10.8	2.0	µg/L	10.00		108	70-130	1.87	25	
Chloromethane	13.2	2.0	µg/L	10.00		132	40-160	0.907	25	V-20 †
Cyclohexane	11.1	5.0	µg/L	10.00		111	70-130	4.04	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.20	5.0	µg/L	10.00		82.0	70-130	3.73	25	
1,2-Dibromoethane (EDB)	9.18	0.50	µg/L	10.00		91.8	70-130	10.0	25	
1,2-Dichlorobenzene	10.7	1.0	µg/L	10.00		107	70-130	5.18	25	
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.00		105	70-130	0.478	25	
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.00		101	70-130	2.20	25	
Dichlorodifluoromethane (Freon 12)	9.86	2.0	µg/L	10.00		98.6	40-160	3.09	25	†

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B385062 - SW-846 5030B
LCS Dup (B385062-BS01)

Prepared & Analyzed: 09/05/24

1,1-Dichloroethane	10.4	1.0	µg/L	10.00		104	70-130	0.192	25	
1,2-Dichloroethane	10.2	1.0	µg/L	10.00		102	70-130	4.87	25	
1,1-Dichloroethylene	9.77	1.0	µg/L	10.00		97.7	70-130	0.925	25	
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.00		106	70-130	3.46	25	
trans-1,2-Dichloroethylene	9.81	1.0	µg/L	10.00		98.1	70-130	1.02	25	
1,2-Dichloropropane	9.82	1.0	µg/L	10.00		98.2	70-130	7.73	25	
cis-1,3-Dichloropropene	8.47	0.50	µg/L	10.00		84.7	70-130	9.45	25	
trans-1,3-Dichloropropene	7.59	0.50	µg/L	10.00		75.9	70-130	11.4	25	
Ethylbenzene	10.7	1.0	µg/L	10.00		107	70-130	3.63	25	
2-Hexanone (MBK)	57.5	10	µg/L	100.0		57.5	* 70-160	11.9	25	L-04, V-05 †
Isopropylbenzene (Cumene)	9.26	1.0	µg/L	10.00		92.6	70-130	3.18	25	
p-Isopropyltoluene (p-Cymene)	9.40	1.0	µg/L	10.00		94.0	70-130	3.68	25	
Methyl Acetate	10.9	1.0	µg/L	10.00		109	70-130	5.28	25	V-20
Methyl tert-Butyl Ether (MTBE)	9.59	1.0	µg/L	10.00		95.9	70-130	1.14	25	
Methyl Cyclohexane	11.4	1.0	µg/L	10.00		114	70-130	2.22	25	V-20
Methylene Chloride	9.55	5.0	µg/L	10.00		95.5	70-130	0.736	25	
4-Methyl-2-pentanone (MIBK)	65.7	10	µg/L	100.0		65.7	* 70-160	15.7	25	L-07 †
Naphthalene	3.79	2.0	µg/L	10.00		37.9	* 40-130	1.60	25	L-04, V-05 †
n-Propylbenzene	9.29	1.0	µg/L	10.00		92.9	70-130	4.18	25	
Styrene	8.63	1.0	µg/L	10.00		86.3	70-130	1.05	25	
1,1,2,2-Tetrachloroethane	9.67	0.50	µg/L	10.00		96.7	70-130	0.207	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.00		103	70-130	8.26	25	
Toluene	9.74	1.0	µg/L	10.00		97.4	70-130	9.21	25	
1,2,3-Trichlorobenzene	6.60	5.0	µg/L	10.00		66.0	* 70-130	1.07	25	L-04, V-05
1,2,4-Trichlorobenzene	6.17	1.0	µg/L	10.00		61.7	* 70-130	2.63	25	L-04, V-05
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.00		105	70-130	3.00	25	
1,1,2-Trichloroethane	9.49	1.0	µg/L	10.00		94.9	70-130	9.34	25	
Trichloroethylene	10.9	1.0	µg/L	10.00		109	70-130	1.67	25	
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.00		102	70-130	1.39	25	
1,2,3-Trichloropropane	10.0	2.0	µg/L	10.00		100	70-130	1.91	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.00		107	70-130	0.281	25	
1,2,4-Trimethylbenzene	9.70	1.0	µg/L	10.00		97.0	70-130	2.72	25	
1,3,5-Trimethylbenzene	9.93	1.0	µg/L	10.00		99.3	70-130	7.85	25	
Vinyl Chloride	9.16	2.0	µg/L	10.00		91.6	40-160	1.43	25	†
m+p Xylene	20.4	2.0	µg/L	20.00		102	70-130	3.43	25	
o-Xylene	9.63	1.0	µg/L	10.00		96.3	70-130	5.44	25	
Xylenes (total)	30.1	1.0	µg/L	30.00		100	0-200	4.07		
Surrogate: 1,2-Dichloroethane-d4	25.1		µg/L	25.00		101	70-130			
Surrogate: Toluene-d8	22.2		µg/L	25.00		88.8	70-130			
Surrogate: 4-Bromofluorobenzene	23.3		µg/L	25.00		93.3	70-130			

Matrix Spike (B385062-MS1)
Source: 2410055-14

Prepared & Analyzed: 09/05/24

Acetone	82.2	50	µg/L	100.0	2.62	79.6	70-130			
Benzene	11.5	1.0	µg/L	10.00	ND	115	70-130			V-20
Bromochloromethane	11.0	1.0	µg/L	10.00	ND	110	70-130			V-20
Bromodichloromethane	9.40	0.50	µg/L	10.00	ND	94.0	70-130			
Bromoform	7.79	1.0	µg/L	10.00	ND	77.9	70-130			
Bromomethane	12.3	2.0	µg/L	10.00	ND	123	70-130			V-20
2-Butanone (MEK)	86.2	20	µg/L	100.0	ND	86.2	70-130			
n-Butylbenzene	6.78	1.0	µg/L	10.00	ND	67.8	* 70-130			MS-24
sec-Butylbenzene	8.64	1.0	µg/L	10.00	ND	86.4	70-130			
tert-Butylbenzene	8.40	1.0	µg/L	10.00	ND	84.0	70-130			

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B385062 - SW-846 5030B										
Matrix Spike (B385062-MS1)	Source: 2410055-14			Prepared & Analyzed: 09/05/24						
Carbon Disulfide	107	5.0	µg/L	100.0	ND	107	70-130			
Carbon Tetrachloride	6.74	5.0	µg/L	10.00	ND	67.4	* 70-130			MS-24
Chlorobenzene	10.8	1.0	µg/L	10.00	ND	108	70-130			
Chlorodibromomethane	7.84	0.50	µg/L	10.00	ND	78.4	70-130			
Chloroethane	9.65	2.0	µg/L	10.00	ND	96.5	70-130			
Chloroform	10.7	2.0	µg/L	10.00	ND	107	70-130			
Chloromethane	13.0	2.0	µg/L	10.00	ND	130	70-130			V-20
Cyclohexane	11.0	5.0	µg/L	10.00	ND	110	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.53	5.0	µg/L	10.00	ND	75.3	70-130			
1,2-Dibromoethane (EDB)	8.82	0.50	µg/L	10.00	ND	88.2	70-130			
1,2-Dichlorobenzene	9.37	1.0	µg/L	10.00	ND	93.7	70-130			
1,3-Dichlorobenzene	9.58	1.0	µg/L	10.00	ND	95.8	70-130			
1,4-Dichlorobenzene	8.26	1.0	µg/L	10.00	ND	82.6	70-130			
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.00	ND	101	70-130			
1,1-Dichloroethane	10.3	1.0	µg/L	10.00	ND	103	70-130			
1,2-Dichloroethane	9.90	1.0	µg/L	10.00	ND	99.0	70-130			
1,1-Dichloroethylene	9.61	1.0	µg/L	10.00	ND	96.1	70-130			
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.00	1.08	101	70-130			
trans-1,2-Dichloroethylene	9.76	1.0	µg/L	10.00	ND	97.6	70-130			
1,2-Dichloropropane	10.6	1.0	µg/L	10.00	ND	106	70-130			
cis-1,3-Dichloropropene	8.24	0.50	µg/L	10.00	ND	82.4	70-130			
trans-1,3-Dichloropropene	6.94	0.50	µg/L	10.00	ND	69.4	* 70-130			MS-24
Ethylbenzene	9.76	1.0	µg/L	10.00	ND	97.6	70-130			
2-Hexanone (MBK)	52.5	10	µg/L	100.0	ND	52.5	* 70-130			L-04, MS-09, V-05
Isopropylbenzene (Cumene)	8.60	1.0	µg/L	10.00	ND	86.0	70-130			
p-Isopropyltoluene (p-Cymene)	8.09	1.0	µg/L	10.00	ND	80.9	70-130			
Methyl Acetate	9.42	1.0	µg/L	10.00	ND	94.2	70-130			V-20
Methyl tert-Butyl Ether (MTBE)	8.78	1.0	µg/L	10.00	ND	87.8	70-130			
Methyl Cyclohexane	11.7	1.0	µg/L	10.00	ND	117	70-130			V-20
Methylene Chloride	9.23	5.0	µg/L	10.00	ND	92.3	70-130			
4-Methyl-2-pentanone (MIBK)	66.2	10	µg/L	100.0	ND	66.2	* 70-130			MS-09
Naphthalene	2.57	2.0	µg/L	10.00	ND	25.7	* 70-130			L-04, MS-09, V-05
n-Propylbenzene	8.30	1.0	µg/L	10.00	ND	83.0	70-130			
Styrene	7.81	1.0	µg/L	10.00	ND	78.1	70-130			
1,1,2,2-Tetrachloroethane	9.43	0.50	µg/L	10.00	ND	94.3	70-130			
Tetrachloroethylene	25.5	1.0	µg/L	10.00	14.6	109	70-130			
Toluene	9.61	1.0	µg/L	10.00	ND	96.1	70-130			
1,2,3-Trichlorobenzene	5.12	5.0	µg/L	10.00	ND	51.2	* 70-130			L-04, MS-09, V-05
1,2,4-Trichlorobenzene	4.55	1.0	µg/L	10.00	ND	45.5	* 70-130			L-04, MS-09, V-05
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.00	ND	104	70-130			
1,1,2-Trichloroethane	9.30	1.0	µg/L	10.00	ND	93.0	70-130			
Trichloroethylene	12.8	1.0	µg/L	10.00	1.92	109	70-130			
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.00	ND	102	70-130			
1,2,3-Trichloropropane	9.57	2.0	µg/L	10.00	ND	95.7	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.00	ND	104	70-130			
1,2,4-Trimethylbenzene	8.72	1.0	µg/L	10.00	ND	87.2	70-130			
1,3,5-Trimethylbenzene	8.84	1.0	µg/L	10.00	ND	88.4	70-130			
Vinyl Chloride	9.26	2.0	µg/L	10.00	ND	92.6	70-130			
m+p Xylene	19.1	2.0	µg/L	20.00	ND	95.4	70-130			

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B385062 - SW-846 5030B										
Matrix Spike (B385062-MS1)	Source: 2410055-14			Prepared & Analyzed: 09/05/24						
o-Xylene	8.74	1.0	µg/L	10.00	ND	87.4	70-130			
Xylenes (total)	27.8	1.0	µg/L	30.00	ND	92.8	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.5		µg/L	25.00		97.8	70-130			
Surrogate: Toluene-d8	22.7		µg/L	25.00		91.0	70-130			
Surrogate: 4-Bromofluorobenzene	22.4		µg/L	25.00		89.7	70-130			
Matrix Spike Dup (B385062-MSD1)	Source: 2410055-14			Prepared & Analyzed: 09/05/24						
Acetone	86.8	50	µg/L	100.0	2.62	84.2	70-130	5.48	30	
Benzene	12.0	1.0	µg/L	10.00	ND	120	70-130	3.74	30	V-20
Bromochloromethane	11.3	1.0	µg/L	10.00	ND	113	70-130	2.50	30	V-20
Bromodichloromethane	10.0	0.50	µg/L	10.00	ND	100	70-130	6.29	30	
Bromoform	8.13	1.0	µg/L	10.00	ND	81.3	70-130	4.27	30	
Bromomethane	12.6	2.0	µg/L	10.00	ND	126	70-130	2.09	30	V-20
2-Butanone (MEK)	88.9	20	µg/L	100.0	ND	88.9	70-130	3.05	30	
n-Butylbenzene	7.61	1.0	µg/L	10.00	ND	76.1	70-130	11.5	30	
sec-Butylbenzene	9.33	1.0	µg/L	10.00	ND	93.3	70-130	7.68	30	
tert-Butylbenzene	9.51	1.0	µg/L	10.00	ND	95.1	70-130	12.4	30	
Carbon Disulfide	113	5.0	µg/L	100.0	ND	113	70-130	5.84	30	
Carbon Tetrachloride	7.18	5.0	µg/L	10.00	ND	71.8	70-130	6.32	30	
Chlorobenzene	11.0	1.0	µg/L	10.00	ND	110	70-130	1.83	30	
Chlorodibromomethane	8.39	0.50	µg/L	10.00	ND	83.9	70-130	6.78	30	
Chloroethane	10.1	2.0	µg/L	10.00	ND	101	70-130	4.16	30	
Chloroform	11.2	2.0	µg/L	10.00	ND	112	70-130	4.55	30	
Chloromethane	13.0	2.0	µg/L	10.00	ND	130	70-130	0.385	30	V-20
Cyclohexane	11.3	5.0	µg/L	10.00	ND	113	70-130	2.50	30	
1,2-Dibromo-3-chloropropane (DBCP)	8.51	5.0	µg/L	10.00	ND	85.1	70-130	12.2	30	
1,2-Dibromoethane (EDB)	9.29	0.50	µg/L	10.00	ND	92.9	70-130	5.19	30	
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.00	ND	104	70-130	10.8	30	
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.00	ND	106	70-130	9.73	30	
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.00	ND	101	70-130	19.7	30	
Dichlorodifluoromethane (Freon 12)	10.5	2.0	µg/L	10.00	ND	105	70-130	4.28	30	
1,1-Dichloroethane	10.6	1.0	µg/L	10.00	ND	106	70-130	2.78	30	
1,2-Dichloroethane	10.3	1.0	µg/L	10.00	ND	103	70-130	3.57	30	
1,1-Dichloroethylene	10.1	1.0	µg/L	10.00	ND	101	70-130	4.97	30	
cis-1,2-Dichloroethylene	11.7	1.0	µg/L	10.00	1.08	106	70-130	4.81	30	
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.00	ND	101	70-130	3.23	30	
1,2-Dichloropropane	11.6	1.0	µg/L	10.00	ND	116	70-130	8.45	30	
cis-1,3-Dichloropropene	8.46	0.50	µg/L	10.00	ND	84.6	70-130	2.63	30	
trans-1,3-Dichloropropene	7.30	0.50	µg/L	10.00	ND	73.0	70-130	5.06	30	
Ethylbenzene	10.3	1.0	µg/L	10.00	ND	103	70-130	5.38	30	
2-Hexanone (MBK)	60.6	10	µg/L	100.0	ND	60.6 *	70-130	14.4	30	L-04, MS-09, V-05
Isopropylbenzene (Cumene)	9.07	1.0	µg/L	10.00	ND	90.7	70-130	5.32	30	
p-Isopropyltoluene (p-Cymene)	9.10	1.0	µg/L	10.00	ND	91.0	70-130	11.8	30	
Methyl Acetate	9.81	1.0	µg/L	10.00	ND	98.1	70-130	4.06	30	V-20
Methyl tert-Butyl Ether (MTBE)	9.27	1.0	µg/L	10.00	ND	92.7	70-130	5.43	30	
Methyl Cyclohexane	12.6	1.0	µg/L	10.00	ND	126	70-130	7.31	30	V-20
Methylene Chloride	9.66	5.0	µg/L	10.00	ND	96.6	70-130	4.55	30	
4-Methyl-2-pentanone (MIBK)	69.8	10	µg/L	100.0	ND	69.8 *	70-130	5.38	30	MS-09
Naphthalene	3.40	2.0	µg/L	10.00	ND	34.0 *	70-130	27.8	30	L-04, MS-09, V-05
n-Propylbenzene	8.76	1.0	µg/L	10.00	ND	87.6	70-130	5.39	30	
Styrene	8.34	1.0	µg/L	10.00	ND	83.4	70-130	6.56	30	

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B385062 - SW-846 5030B										
Matrix Spike Dup (B385062-MSD1)	Source: 24I0055-14			Prepared & Analyzed: 09/05/24						
1,1,2,2-Tetrachloroethane	9.87	0.50	µg/L	10.00	ND	98.7	70-130	4.56	30	
Tetrachloroethylene	25.6	1.0	µg/L	10.00	14.6	110	70-130	0.548	30	
Toluene	10.1	1.0	µg/L	10.00	ND	101	70-130	4.97	30	
1,2,3-Trichlorobenzene	6.57	5.0	µg/L	10.00	ND	65.7	* 70-130	24.8	30	L-04, MS-09, V-05
1,2,4-Trichlorobenzene	5.71	1.0	µg/L	10.00	ND	57.1	* 70-130	22.6	30	L-04, MS-09, V-05
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.00	ND	110	70-130	5.05	30	
1,1,2-Trichloroethane	9.76	1.0	µg/L	10.00	ND	97.6	70-130	4.83	30	
Trichloroethylene	13.7	1.0	µg/L	10.00	1.92	118	70-130	7.02	30	
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.00	ND	108	70-130	5.44	30	
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.00	ND	102	70-130	6.37	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.00	ND	110	70-130	5.60	30	
1,2,4-Trimethylbenzene	9.40	1.0	µg/L	10.00	ND	94.0	70-130	7.51	30	
1,3,5-Trimethylbenzene	9.38	1.0	µg/L	10.00	ND	93.8	70-130	5.93	30	
Vinyl Chloride	9.76	2.0	µg/L	10.00	ND	97.6	70-130	5.26	30	
m+p Xylene	19.9	2.0	µg/L	20.00	ND	99.6	70-130	4.26	20	
o-Xylene	9.22	1.0	µg/L	10.00	ND	92.2	70-130	5.35	30	
Xylenes (total)	29.1	1.0	µg/L	30.00	ND	97.1	0-200	4.60		
Surrogate: 1,2-Dichloroethane-d4	24.3		µg/L	25.00		97.4	70-130			
Surrogate: Toluene-d8	22.5		µg/L	25.00		90.0	70-130			
Surrogate: 4-Bromofluorobenzene	22.5		µg/L	25.00		90.1	70-130			

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 B386186 - Draft Method 1633										
Blank (B386186-BLK1)										
				Prepared: 09/19/24 Analyzed: 09/20/24						
Perfluorobutanoic acid (PFBA)	ND	4.0	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	0.99	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	0.99	ng/L							
Perfluorooctanoic acid (PFOA)	ND	0.99	ng/L							
Perfluorononanoic acid (PFNA)	ND	0.99	ng/L							
Perfluorodecanoic acid (PFDA)	ND	0.99	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	0.99	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	0.99	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	0.99	ng/L							
Perfluorotetradecanoic acid (PFTeDA)	ND	0.99	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	0.99	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	0.99	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.99	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.99	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	0.99	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	0.99	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	0.99	ng/L							
Perfluorododecanesulfonic acid (PFDoS)	ND	0.99	ng/L							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.0	ng/L							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.0	ng/L							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.0	ng/L							
Perfluorooctanesulfonamide (PFOSA)	ND	0.99	ng/L							
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.99	ng/L							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.99	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	0.99	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	0.99	ng/L							
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.9	ng/L							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.9	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.0	ng/L							
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	4.0	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	4.0	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	4.0	ng/L							
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.9	ng/L							
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	50	ng/L							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	50	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.0	ng/L							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	ng/L							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	2.0	ng/L							
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND	2.0	ng/L							
Surrogate: 13C4-PFBA	95.4		ng/L	99.09		96.3	10-130			

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
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Batch B386186 - Draft Method 1633
Blank (B386186-BLK1)

Prepared: 09/19/24 Analyzed: 09/20/24

Surrogate: 13C5-PFPeA	53.6		ng/L	49.55		108	35-150			
Surrogate: 13C5-PFHxA	23.6		ng/L	24.77		95.2	55-150			
Surrogate: 13C4-PFHpA	21.8		ng/L	24.77		88.1	55-150			
Surrogate: 13C8-PFOA	22.9		ng/L	24.77		92.3	60-140			
Surrogate: 13C9-PFNA	11.2		ng/L	12.39		90.4	55-140			
Surrogate: 13C6-PFDA	11.1		ng/L	12.39		89.7	50-140			
Surrogate: 13C7-PFUnA	11.8		ng/L	12.39		95.2	30-140			
Surrogate: 13C2-PFDoA	10.5		ng/L	12.39		84.6	10-150			
Surrogate: 13C2-PFTeDA	9.81		ng/L	12.39		79.2	10-130			
Surrogate: 13C3-PFBS	24.0		ng/L	24.77		96.9	55-150			
Surrogate: 13C3-PFHxS	23.9		ng/L	24.77		96.6	55-150			
Surrogate: 13C8-PFOS	23.2		ng/L	24.77		93.5	45-140			
Surrogate: 13C2-4:2FTS	44.4		ng/L	49.55		89.6	60-200			
Surrogate: 13C2-6:2FTS	44.7		ng/L	49.55		90.2	60-200			
Surrogate: 13C2-8:2FTS	43.6		ng/L	49.55		88.0	50-200			
Surrogate: 13C8-PFOA	19.2		ng/L	24.77		77.6	30-130			
Surrogate: D3-NMeFOSA	14.3		ng/L	24.77		57.7	15-130			
Surrogate: D5-NEtFOSA	14.9		ng/L	24.77		60.3	10-130			
Surrogate: D3-NMeFOSAA	44.8		ng/L	49.55		90.4	45-200			
Surrogate: D5-NEtFOSAA	45.4		ng/L	49.55		91.7	10-200			
Surrogate: D7-NMeFOSE	180		ng/L	247.7		72.8	10-150			
Surrogate: D9-NEtFOSE	196		ng/L	247.7		79.1	10-150			
Surrogate: 13C3-HFPO-DA	90.7		ng/L	99.09		91.6	25-160			

LCS (B386186-BS1)

Prepared: 09/19/24 Analyzed: 09/20/24

Perfluorobutanoic acid (PFBA)	101	4.0	ng/L	95.14		106	58-148			
Perfluoropentanoic acid (PFPeA)	52.4	2.0	ng/L	47.57		110	54-152			
Perfluorohexanoic acid (PFHxA)	25.3	0.99	ng/L	23.79		106	55-152			
Perfluoroheptanoic acid (PFHpA)	24.2	0.99	ng/L	23.79		102	54-154			
Perfluorooctanoic acid (PFOA)	24.9	0.99	ng/L	23.79		105	52-161			
Perfluorononanoic acid (PFNA)	25.5	0.99	ng/L	23.79		107	59-149			
Perfluorodecanoic acid (PFDA)	23.8	0.99	ng/L	23.79		100	52-147			
Perfluoroundecanoic acid (PFUnA)	24.7	0.99	ng/L	23.79		104	48-159			
Perfluorododecanoic acid (PFDoA)	25.2	0.99	ng/L	23.79		106	64-142			
Perfluorotridecanoic acid (PFTTrDA)	24.7	0.99	ng/L	23.79		104	49-148			
Perfluorotetradecanoic acid (PFTeDA)	25.8	0.99	ng/L	23.79		109	47-161			
Perfluorobutanesulfonic acid (PFBS)	22.4	0.99	ng/L	21.11		106	62-144			
Perfluoropentanesulfonic acid (PFPeS)	24.0	0.99	ng/L	22.36		107	59-151			
Perfluorohexanesulfonic acid (PFHxS)	20.8	0.99	ng/L	21.76		95.4	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	24.3	0.99	ng/L	22.66		107	55-152			
Perfluorooctanesulfonic acid (PFOS)	23.8	0.99	ng/L	22.06		108	58-149			
Perfluorononanesulfonic acid (PFNS)	23.5	0.99	ng/L	22.89		103	52-148			
Perfluorodecanesulfonic acid (PFDS)	24.0	0.99	ng/L	22.95		105	51-147			
Perfluorododecanesulfonic acid (PFDoS)	22.4	0.99	ng/L	23.07		97.0	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	103	4.0	ng/L	89.20		116	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	105	4.0	ng/L	90.39		116	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	103	4.0	ng/L	91.58		112	63-152			
Perfluorooctanesulfonamide (PFOSA)	24.9	0.99	ng/L	23.79		105	61-148			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	27.2	0.99	ng/L	23.79		115	63-145			

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
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Batch B386186 - Draft Method 1633
LCS (B386186-BS1)

Prepared: 09/19/24 Analyzed: 09/20/24

N-ethyl perfluorooctanesulfonamide (NEtFOSA)	27.8	0.99	ng/L	23.79		117	65-139			
N-MeFOSAA (NMeFOSAA)	27.5	0.99	ng/L	23.79		116	58-144			
N-EtFOSAA (NEtFOSAA)	23.8	0.99	ng/L	23.79		99.9	59-146			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	255	9.9	ng/L	237.9		107	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	255	9.9	ng/L	237.9		107	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	112	4.0	ng/L	95.14		117	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	111	4.0	ng/L	89.79		123	68-146			
9Cl-PF3ONS (F53B Minor)	106	4.0	ng/L	89.20		119	56-156			
11Cl-PF3OUdS (F53B Major)	101	4.0	ng/L	89.79		112	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	184	9.9	ng/L	237.9		77.2	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	1130	50	ng/L	1189		95.4	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	1010	50	ng/L	1189		84.7	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	51.3	2.0	ng/L	42.34		121	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	43.5	2.0	ng/L	47.57		91.4	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	45.7	2.0	ng/L	47.57		96.1	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	51.9	2.0	ng/L	47.57		109	48-161			
Surrogate: 13C4-PFBA	81.4		ng/L	99.11		82.1	10-130			
Surrogate: 13C5-PFPeA	46.0		ng/L	49.55		92.9	35-150			
Surrogate: 13C5-PFHxA	19.6		ng/L	24.78		79.2	55-150			
Surrogate: 13C4-PFHpA	18.9		ng/L	24.78		76.4	55-150			
Surrogate: 13C8-PFOA	19.5		ng/L	24.78		78.8	60-140			
Surrogate: 13C9-PFNA	9.71		ng/L	12.39		78.4	55-140			
Surrogate: 13C6-PFDA	10.4		ng/L	12.39		83.9	50-140			
Surrogate: 13C7-PFUnA	10.4		ng/L	12.39		84.1	30-140			
Surrogate: 13C2-PFDoA	9.51		ng/L	12.39		76.8	10-150			
Surrogate: 13C2-PFTeDA	8.79		ng/L	12.39		71.0	10-130			
Surrogate: 13C3-PFBS	19.7		ng/L	24.78		79.6	55-150			
Surrogate: 13C3-PFHxS	19.9		ng/L	24.78		80.2	55-150			
Surrogate: 13C8-PFOS	18.9		ng/L	24.78		76.4	45-140			
Surrogate: 13C2-4:2FTS	37.4		ng/L	49.55		75.4	60-200			
Surrogate: 13C2-6:2FTS	39.1		ng/L	49.55		78.9	60-200			
Surrogate: 13C2-8:2FTS	41.1		ng/L	49.55		83.0	50-200			
Surrogate: 13C8-PFOSA	16.7		ng/L	24.78		67.3	30-130			
Surrogate: D3-NMeFOSA	14.2		ng/L	24.78		57.1	15-130			
Surrogate: D5-NEtFOSA	14.3		ng/L	24.78		57.8	10-130			
Surrogate: D3-NMeFOSAA	38.6		ng/L	49.55		77.9	45-200			
Surrogate: D5-NEtFOSAA	37.7		ng/L	49.55		76.0	10-200			
Surrogate: D7-NMeFOSE	162		ng/L	247.8		65.5	10-150			
Surrogate: D9-NEtFOSE	161		ng/L	247.8		65.1	10-150			
Surrogate: 13C3-HFPO-DA	74.2		ng/L	99.11		74.9	25-160			

MRL Check (B386186-MRL1)

Prepared: 09/19/24 Analyzed: 09/20/24

Perfluorobutanoic acid (PFBA)	7.68	3.9	ng/L	7.837		98.0	44-157			
Perfluoropentanoic acid (PFPeA)	4.03	2.0	ng/L	3.918		103	57-148			

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
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Batch B386186 - Draft Method 1633
MRL Check (B386186-MRL1)

Prepared: 09/19/24 Analyzed: 09/20/24

Perfluorohexanoic acid (PFHxA)	2.10	0.98	ng/L	1.959		107	62-149			
Perfluoroheptanoic acid (PFHpA)	1.86	0.98	ng/L	1.959		94.9	56-150			
Perfluorooctanoic acid (PFOA)	1.91	0.98	ng/L	1.959		97.4	57-161			
Perfluorononanoic acid (PFNA)	1.99	0.98	ng/L	1.959		101	53-157			
Perfluorodecanoic acid (PFDA)	1.85	0.98	ng/L	1.959		94.6	43-158			
Perfluoroundecanoic acid (PFUnA)	1.99	0.98	ng/L	1.959		102	50-155			
Perfluorododecanoic acid (PFDoA)	1.96	0.98	ng/L	1.959		100	60-141			
Perfluorotridecanoic acid (PFTrDA)	1.84	0.98	ng/L	1.959		93.7	52-140			
Perfluorotetradecanoic acid (PFTeDA)	1.89	0.98	ng/L	1.959		96.6	52-156			
Perfluorobutanesulfonic acid (PFBS)	1.79	0.98	ng/L	1.739		103	63-145			
Perfluoropentanesulfonic acid (PFPeS)	1.95	0.98	ng/L	1.842		106	58-144			
Perfluorohexanesulfonic acid (PFHxS)	1.70	0.98	ng/L	1.793		95.0	44-158			
Perfluoroheptanesulfonic acid (PFHpS)	1.75	0.98	ng/L	1.866		94.0	51-150			
Perfluorooctanesulfonic acid (PFOS)	1.97	0.98	ng/L	1.817		108	43-162			
Perfluorononanesulfonic acid (PFNS)	1.74	0.98	ng/L	1.886		92.3	46-151			
Perfluorodecanesulfonic acid (PFDS)	1.72	0.98	ng/L	1.891		91.2	50-144			
Perfluorododecanesulfonic acid (PFDoS)	1.53	0.98	ng/L	1.900		80.3	30-138			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	7.63	3.9	ng/L	7.347		104	52-158			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	8.18	3.9	ng/L	7.445		110	48-158			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	7.32	3.9	ng/L	7.543		97.1	46-165			
Perfluorooctanesulfonamide (PFOSA)	1.97	0.98	ng/L	1.959		100	47-163			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	1.98	0.98	ng/L	1.959		101	54-155			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	2.21	0.98	ng/L	1.959		113	49-156			
N-MeFOSAA (NMeFOSAA)	1.79	0.98	ng/L	1.959		91.3	32-160			
N-EtFOSAA (NEtFOSAA)	2.17	0.98	ng/L	1.959		111	51-154			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	19.0	9.8	ng/L	19.59		97.1	56-151			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	18.1	9.8	ng/L	19.59		92.5	60-147			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.99	3.9	ng/L	7.837		102	58-154			
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	7.53	3.9	ng/L	7.396		102	61-148			
9Cl-PF3ONS (F53B Minor)	7.39	3.9	ng/L	7.347		101	44-167			
11Cl-PF3OUDS (F53B Major)	6.83	3.9	ng/L	7.396		92.4	36-158			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	14.4	9.8	ng/L	19.59		73.7	32-161			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA) (5:3FTCA)	82.5	49	ng/L	97.96		84.2	39-156			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	73.2	49	ng/L	97.96		74.7	36-149			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	4.06	2.0	ng/L	3.487		116	56-144			
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.75	2.0	ng/L	3.918		95.8	48-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.70	2.0	ng/L	3.918		94.4	49-154			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.61	2.0	ng/L	3.918		118	47-160			
Surrogate: 13C4-PFBA	80.2		ng/L	97.96		81.9	10-130			
Surrogate: 13C5-PFPeA	44.7		ng/L	48.98		91.3	35-150			
Surrogate: 13C5-PFHxA	19.2		ng/L	24.49		78.3	55-150			

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
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Batch B386186 - Draft Method 1633
MRL Check (B386186-MRL1)

Prepared: 09/19/24 Analyzed: 09/20/24

Surrogate: 13C4-PFHpA	18.1		ng/L	24.49		73.9	55-150			
Surrogate: 13C8-PFOA	19.6		ng/L	24.49		80.2	60-140			
Surrogate: 13C9-PFNA	9.79		ng/L	12.24		79.9	55-140			
Surrogate: 13C6-PFDA	9.36		ng/L	12.24		76.4	50-140			
Surrogate: 13C7-PFUnA	10.0		ng/L	12.24		81.8	30-140			
Surrogate: 13C2-PFDoA	9.13		ng/L	12.24		74.6	10-150			
Surrogate: 13C2-PFTeDA	8.60		ng/L	12.24		70.3	10-130			
Surrogate: 13C3-PFBS	20.0		ng/L	24.49		81.9	55-150			
Surrogate: 13C3-PFHxS	20.1		ng/L	24.49		82.1	55-150			
Surrogate: 13C8-PFOS	19.8		ng/L	24.49		80.8	45-140			
Surrogate: 13C2-4:2FTS	36.5		ng/L	48.98		74.5	60-200			
Surrogate: 13C2-6:2FTS	36.9		ng/L	48.98		75.3	60-200			
Surrogate: 13C2-8:2FTS	37.9		ng/L	48.98		77.3	50-200			
Surrogate: 13C8-PFOSA	15.9		ng/L	24.49		64.9	30-130			
Surrogate: D3-NMeFOSA	13.8		ng/L	24.49		56.4	15-130			
Surrogate: D5-NEtFOSA	14.2		ng/L	24.49		58.0	10-130			
Surrogate: D3-NMeFOSAA	38.2		ng/L	48.98		78.0	45-200			
Surrogate: D5-NEtFOSAA	39.7		ng/L	48.98		81.1	10-200			
Surrogate: D7-NMeFOSE	155		ng/L	244.9		63.2	10-150			
Surrogate: D9-NEtFOSE	157		ng/L	244.9		64.2	10-150			
Surrogate: 13C3-HFPO-DA	75.6		ng/L	97.96		77.2	25-160			

Batch B386610 - Draft Method 1633
Blank (B386610-BLK1)

Prepared: 09/23/24 Analyzed: 09/24/24

Perfluorobutanoic acid (PFBA)	ND	4.0	ng/L
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L
Perfluorohexanoic acid (PFHxA)	ND	0.99	ng/L
Perfluoroheptanoic acid (PFHpA)	ND	0.99	ng/L
Perfluorooctanoic acid (PFOA)	ND	0.99	ng/L
Perfluorononanoic acid (PFNA)	ND	0.99	ng/L
Perfluorodecanoic acid (PFDA)	ND	0.99	ng/L
Perfluoroundecanoic acid (PFUnA)	ND	0.99	ng/L
Perfluorododecanoic acid (PFDoA)	ND	0.99	ng/L
Perfluorotridecanoic acid (PFTrDA)	ND	0.99	ng/L
Perfluorotetradecanoic acid (PFTeDA)	ND	0.99	ng/L
Perfluorobutanesulfonic acid (PFBS)	ND	0.99	ng/L
Perfluoropentanesulfonic acid (PFPeS)	ND	0.99	ng/L
Perfluorohexanesulfonic acid (PFHxS)	ND	0.99	ng/L
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.99	ng/L
Perfluorooctanesulfonic acid (PFOS)	ND	0.99	ng/L
Perfluorononanesulfonic acid (PFNS)	ND	0.99	ng/L
Perfluorodecanesulfonic acid (PFDS)	ND	0.99	ng/L
Perfluorododecanesulfonic acid (PFDoS)	ND	0.99	ng/L
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.0	ng/L
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.0	ng/L
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.0	ng/L
Perfluorooctanesulfonamide (PFOSA)	ND	0.99	ng/L
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.99	ng/L

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
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Batch B386610 - Draft Method 1633
Blank (B386610-BLK1)

Prepared: 09/23/24 Analyzed: 09/24/24

N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.99	ng/L
N-MeFOSAA (NMeFOSAA)	ND	0.99	ng/L
N-EtFOSAA (NEtFOSAA)	ND	0.99	ng/L
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.9	ng/L
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.9	ng/L
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.0	ng/L
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.0	ng/L
9Cl-PF3ONS (F53B Minor)	ND	4.0	ng/L
11Cl-PF3OUdS (F53B Major)	ND	4.0	ng/L
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.9	ng/L
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA) (5:3FTCA)	ND	50	ng/L
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	50	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	2.0	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBAA)	ND	2.0	ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L

Surrogate: 13C4-PFBA	90.3		ng/L	99.02		91.1	10-130
Surrogate: 13C5-PFPeA	41.3		ng/L	49.51		83.5	35-150
Surrogate: 13C5-PFHxA	21.7		ng/L	24.75		87.9	55-150
Surrogate: 13C4-PFHpA	20.5		ng/L	24.75		82.9	55-150
Surrogate: 13C8-PFOA	23.5		ng/L	24.75		94.9	60-140
Surrogate: 13C9-PFNA	10.5		ng/L	12.38		85.1	55-140
Surrogate: 13C6-PFDA	9.60		ng/L	12.38		77.5	50-140
Surrogate: 13C7-PFUnA	10.2		ng/L	12.38		82.0	30-140
Surrogate: 13C2-PFDoA	9.64		ng/L	12.38		77.8	10-150
Surrogate: 13C2-PFTeDA	8.71		ng/L	12.38		70.3	10-130
Surrogate: 13C3-PFBS	21.6		ng/L	24.75		87.3	55-150
Surrogate: 13C3-PFHxS	20.7		ng/L	24.75		83.8	55-150
Surrogate: 13C8-PFOS	21.0		ng/L	24.75		85.0	45-140
Surrogate: 13C2-4:2FTS	39.4		ng/L	49.51		79.7	60-200
Surrogate: 13C2-6:2FTS	39.1		ng/L	49.51		79.1	60-200
Surrogate: 13C2-8:2FTS	38.4		ng/L	49.51		77.5	50-200
Surrogate: 13C8-PFOSA	18.5		ng/L	24.75		74.8	30-130
Surrogate: D3-NMeFOSA	16.0		ng/L	24.75		64.6	15-130
Surrogate: D5-NEtFOSA	16.2		ng/L	24.75		65.6	10-130
Surrogate: D3-NMeFOSAA	41.1		ng/L	49.51		83.0	45-200
Surrogate: D5-NEtFOSAA	47.5		ng/L	49.51		96.0	10-200
Surrogate: D7-NMeFOSE	178		ng/L	247.5		72.0	10-150
Surrogate: D9-NEtFOSE	179		ng/L	247.5		72.2	10-150
Surrogate: 13C3-HFPO-DA	78.7		ng/L	99.02		79.5	25-160

LCS (B386610-BS1)

Prepared: 09/23/24 Analyzed: 09/24/24

Perfluorobutanoic acid (PFBA)	95.2	3.9	ng/L	94.64		101	58-148
Perfluoropentanoic acid (PFPeA)	49.5	2.0	ng/L	47.32		105	54-152

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 B386610 - Draft Method 1633										
LCS (B386610-BS1)										
Prepared: 09/23/24 Analyzed: 09/24/24										
Perfluorohexanoic acid (PFHxA)	23.5	0.99	ng/L	23.66		99.5	55-152			
Perfluoroheptanoic acid (PFHpA)	23.4	0.99	ng/L	23.66		98.8	54-154			
Perfluorooctanoic acid (PFOA)	22.5	0.99	ng/L	23.66		95.0	52-161			
Perfluorononanoic acid (PFNA)	23.5	0.99	ng/L	23.66		99.2	59-149			
Perfluorodecanoic acid (PFDA)	23.9	0.99	ng/L	23.66		101	52-147			
Perfluoroundecanoic acid (PFUnA)	23.8	0.99	ng/L	23.66		100	48-159			
Perfluorododecanoic acid (PFDoA)	23.3	0.99	ng/L	23.66		98.6	64-142			
Perfluorotridecanoic acid (PFTrDA)	23.7	0.99	ng/L	23.66		100	49-148			
Perfluorotetradecanoic acid (PFTeDA)	24.9	0.99	ng/L	23.66		105	47-161			
Perfluorobutanesulfonic acid (PFBS)	20.5	0.99	ng/L	21.00		97.4	62-144			
Perfluoropentanesulfonic acid (PFPeS)	23.1	0.99	ng/L	22.24		104	59-151			
Perfluorohexanesulfonic acid (PFHxS)	19.2	0.99	ng/L	21.65		88.8	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	22.6	0.99	ng/L	22.54		100	55-152			
Perfluorooctanesulfonic acid (PFOS)	21.8	0.99	ng/L	21.95		99.1	58-149			
Perfluorononanesulfonic acid (PFNS)	21.5	0.99	ng/L	22.77		94.5	52-148			
Perfluorodecanesulfonic acid (PFDS)	21.5	0.99	ng/L	22.83		94.3	51-147			
Perfluorododecanesulfonic acid (PFDoS)	20.5	0.99	ng/L	22.95		89.2	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	96.6	3.9	ng/L	88.73		109	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	102	3.9	ng/L	89.91		113	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	97.3	3.9	ng/L	91.10		107	63-152			
Perfluorooctanesulfonamide (PFOSA)	23.3	0.99	ng/L	23.66		98.5	61-148			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	26.5	0.99	ng/L	23.66		112	63-145			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	26.9	0.99	ng/L	23.66		114	65-139			
N-MeFOSAA (NMeFOSAA)	25.8	0.99	ng/L	23.66		109	58-144			
N-EtFOSAA (NEtFOSAA)	20.5	0.99	ng/L	23.66		86.7	59-146			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	241	9.9	ng/L	236.6		102	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	236	9.9	ng/L	236.6		99.9	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	104	3.9	ng/L	94.64		110	63-144			
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	102	3.9	ng/L	89.32		114	68-146			
9Cl-PF3ONS (F53B Minor)	92.7	3.9	ng/L	88.73		104	56-156			
11Cl-PF3OUDS (F53B Major)	88.1	3.9	ng/L	89.32		98.6	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	173	9.9	ng/L	236.6		72.9	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	1030	49	ng/L	1183		86.8	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	914	49	ng/L	1183		77.3	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	45.7	2.0	ng/L	42.12		108	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	39.5	2.0	ng/L	47.32		83.6	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	43.8	2.0	ng/L	47.32		92.6	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	41.6	2.0	ng/L	47.32		87.9	48-161			
Surrogate: 13C4-PFBA	88.7		ng/L	98.59		90.0	10-130			
Surrogate: 13C5-PFPeA	48.2		ng/L	49.29		97.9	35-150			
Surrogate: 13C5-PFHxA	21.4		ng/L	24.65		86.6	55-150			

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
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Batch B386610 - Draft Method 1633
LCS (B386610-BS1)

Prepared: 09/23/24 Analyzed: 09/24/24

Surrogate: 13C4-PFHpA	19.5		ng/L	24.65		79.3	55-150			
Surrogate: 13C8-PFOA	23.1		ng/L	24.65		93.6	60-140			
Surrogate: 13C9-PFNA	10.5		ng/L	12.32		85.3	55-140			
Surrogate: 13C6-PFDA	10.5		ng/L	12.32		85.4	50-140			
Surrogate: 13C7-PFUnA	10.8		ng/L	12.32		88.0	30-140			
Surrogate: 13C2-PFDoA	10.2		ng/L	12.32		82.4	10-150			
Surrogate: 13C2-PFTeDA	9.20		ng/L	12.32		74.7	10-130			
Surrogate: 13C3-PFBS	21.7		ng/L	24.65		88.0	55-150			
Surrogate: 13C3-PFHxS	21.6		ng/L	24.65		87.7	55-150			
Surrogate: 13C8-PFOS	20.1		ng/L	24.65		81.6	45-140			
Surrogate: 13C2-4:2FTS	42.3		ng/L	49.29		85.8	60-200			
Surrogate: 13C2-6:2FTS	41.8		ng/L	49.29		84.8	60-200			
Surrogate: 13C2-8:2FTS	42.7		ng/L	49.29		86.7	50-200			
Surrogate: 13C8-PFOSA	17.0		ng/L	24.65		68.9	30-130			
Surrogate: D3-NMeFOSA	14.4		ng/L	24.65		58.3	15-130			
Surrogate: D5-NEtFOSA	15.2		ng/L	24.65		61.6	10-130			
Surrogate: D3-NMeFOSAA	38.5		ng/L	49.29		78.1	45-200			
Surrogate: D5-NEtFOSAA	44.0		ng/L	49.29		89.2	10-200			
Surrogate: D7-NMeFOSE	161		ng/L	246.5		65.5	10-150			
Surrogate: D9-NEtFOSE	158		ng/L	246.5		64.2	10-150			
Surrogate: 13C3-HFPO-DA	79.0		ng/L	98.59		80.1	25-160			

MRL Check (B386610-MRL1)

Prepared: 09/23/24 Analyzed: 09/24/24

Perfluorobutanoic acid (PFBA)	7.65	3.9	ng/L	7.898		96.9	44-157			
Perfluoropentanoic acid (PFPeA)	4.08	2.0	ng/L	3.949		103	57-148			
Perfluorohexanoic acid (PFHxA)	2.16	0.99	ng/L	1.975		109	62-149			
Perfluoroheptanoic acid (PFHpA)	1.74	0.99	ng/L	1.975		87.9	56-150			
Perfluorooctanoic acid (PFOA)	2.10	0.99	ng/L	1.975		106	57-161			
Perfluorononanoic acid (PFNA)	1.93	0.99	ng/L	1.975		97.6	53-157			
Perfluorodecanoic acid (PFDA)	2.00	0.99	ng/L	1.975		101	43-158			
Perfluoroundecanoic acid (PFUnA)	1.92	0.99	ng/L	1.975		97.1	50-155			
Perfluorododecanoic acid (PFDoA)	1.79	0.99	ng/L	1.975		90.7	60-141			
Perfluorotridecanoic acid (PFTrDA)	1.85	0.99	ng/L	1.975		93.7	52-140			
Perfluorotetradecanoic acid (PFTeDA)	1.97	0.99	ng/L	1.975		99.7	52-156			
Perfluorobutanesulfonic acid (PFBS)	1.73	0.99	ng/L	1.752		98.8	63-145			
Perfluoropentanesulfonic acid (PFPeS)	2.06	0.99	ng/L	1.856		111	58-144			
Perfluorohexanesulfonic acid (PFHxS)	1.73	0.99	ng/L	1.807		95.6	44-158			
Perfluoroheptanesulfonic acid (PFHpS)	1.88	0.99	ng/L	1.881		99.8	51-150			
Perfluorooctanesulfonic acid (PFOS)	1.90	0.99	ng/L	1.831		104	43-162			
Perfluorononanesulfonic acid (PFNS)	1.71	0.99	ng/L	1.901		89.9	46-151			
Perfluorodecanesulfonic acid (PFDS)	1.82	0.99	ng/L	1.905		95.3	50-144			
Perfluorododecanesulfonic acid (PFDoS)	1.84	0.99	ng/L	1.915		96.3	30-138			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	7.88	3.9	ng/L	7.405		106	52-158			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	8.06	3.9	ng/L	7.503		107	48-158			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	7.36	3.9	ng/L	7.602		96.9	46-165			
Perfluorooctanesulfonamide (PFOSA)	1.94	0.99	ng/L	1.975		98.1	47-163			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	2.23	0.99	ng/L	1.975		113	54-155			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	2.12	0.99	ng/L	1.975		107	49-156			
N-MeFOSAA (NMeFOSAA)	2.44	0.99	ng/L	1.975		124	32-160			

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
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Batch B386610 - Draft Method 1633
MRL Check (B386610-MRL1)

Prepared: 09/23/24 Analyzed: 09/24/24

N-EtFOSAA (NEtFOSAA)	1.56	0.99	ng/L	1.975		79.0	51-154			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	19.9	9.9	ng/L	19.75		101	56-151			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	19.0	9.9	ng/L	19.75		96.3	60-147			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.96	3.9	ng/L	7.898		101	58-154			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.31	3.9	ng/L	7.454		111	61-148			
9Cl-PF3ONS (F53B Minor)	7.52	3.9	ng/L	7.405		102	44-167			
11Cl-PF3OUdS (F53B Major)	7.18	3.9	ng/L	7.454		96.3	36-158			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	14.6	9.9	ng/L	19.75		73.9	32-161			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	78.6	49	ng/L	98.73		79.7	39-156			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	74.3	49	ng/L	98.73		75.3	36-149			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	4.14	2.0	ng/L	3.515		118	56-144			
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.65	2.0	ng/L	3.949		92.5	48-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.92	2.0	ng/L	3.949		99.3	49-154			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.96	2.0	ng/L	3.949		100	47-160			
Surrogate: 13C4-PFBA	86.2		ng/L	98.73		87.3	10-130			
Surrogate: 13C5-PFPeA	46.9		ng/L	49.36		95.0	35-150			
Surrogate: 13C5-PFHxA	20.3		ng/L	24.68		82.1	55-150			
Surrogate: 13C4-PFHpA	19.8		ng/L	24.68		80.1	55-150			
Surrogate: 13C8-PFOA	21.0		ng/L	24.68		85.1	60-140			
Surrogate: 13C9-PFNA	10.1		ng/L	12.34		82.0	55-140			
Surrogate: 13C6-PFDA	10.4		ng/L	12.34		84.6	50-140			
Surrogate: 13C7-PFUnA	10.5		ng/L	12.34		85.1	30-140			
Surrogate: 13C2-PFDoA	10.2		ng/L	12.34		83.0	10-150			
Surrogate: 13C2-PFTeDA	9.37		ng/L	12.34		75.9	10-130			
Surrogate: 13C3-PFBS	20.9		ng/L	24.68		84.6	55-150			
Surrogate: 13C3-PFHxS	20.9		ng/L	24.68		84.6	55-150			
Surrogate: 13C8-PFOS	20.1		ng/L	24.68		81.2	45-140			
Surrogate: 13C2-4:2FTS	40.5		ng/L	49.36		82.0	60-200			
Surrogate: 13C2-6:2FTS	39.9		ng/L	49.36		80.7	60-200			
Surrogate: 13C2-8:2FTS	37.2		ng/L	49.36		75.4	50-200			
Surrogate: 13C8-PFOA	17.8		ng/L	24.68		72.2	30-130			
Surrogate: D3-NMeFOSA	15.1		ng/L	24.68		61.2	15-130			
Surrogate: D5-NEtFOSA	15.8		ng/L	24.68		63.8	10-130			
Surrogate: D3-NMeFOSAA	39.0		ng/L	49.36		79.0	45-200			
Surrogate: D5-NEtFOSAA	43.2		ng/L	49.36		87.6	10-200			
Surrogate: D7-NMeFOSE	168		ng/L	246.8		68.0	10-150			
Surrogate: D9-NEtFOSE	167		ng/L	246.8		67.6	10-150			
Surrogate: 13C3-HFPO-DA	72.0		ng/L	98.73		72.9	25-160			

Matrix Spike (B386610-MS1)

Source: 2410055-14

Prepared: 09/23/24 Analyzed: 09/24/24

Perfluorobutanoic acid (PFBA)	107	3.9	ng/L	92.61	8.77	106	58-148			
Perfluoropentanoic acid (PFPeA)	61.5	1.9	ng/L	46.30	10.2	111	54-152			
Perfluorohexanoic acid (PFHxA)	33.5	0.96	ng/L	23.15	8.36	109	55-152			
Perfluoroheptanoic acid (PFHpA)	28.5	0.96	ng/L	23.15	4.53	103	54-154			
Perfluorooctanoic acid (PFOA)	36.4	0.96	ng/L	23.15	11.8	106	52-161			

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 B386610 - Draft Method 1633										
Matrix Spike (B386610-MS1)	Source: 2410055-14			Prepared: 09/23/24 Analyzed: 09/24/24						
Perfluorononanoic acid (PFNA)	26.8	0.96	ng/L	23.15	1.13	111	59-149			
Perfluorodecanoic acid (PFDA)	24.8	0.96	ng/L	23.15	0.526	105	52-147			
Perfluoroundecanoic acid (PFUnA)	24.1	0.96	ng/L	23.15	ND	104	48-159			
Perfluorododecanoic acid (PFDoA)	23.2	0.96	ng/L	23.15	ND	100	64-142			
Perfluorotridecanoic acid (PFTrDA)	23.7	0.96	ng/L	23.15	ND	102	49-148			
Perfluorotetradecanoic acid (PFTeDA)	24.4	0.96	ng/L	23.15	ND	105	47-161			
Perfluorobutanesulfonic acid (PFBS)	25.7	0.96	ng/L	20.55	4.94	101	62-144			
Perfluoropentanesulfonic acid (PFPeS)	24.2	0.96	ng/L	21.76	2.52	99.7	59-151			
Perfluorohexanesulfonic acid (PFHxS)	25.9	0.96	ng/L	21.18	6.92	89.8	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	24.9	0.96	ng/L	22.05	0.600	110	55-152			
Perfluorooctanesulfonic acid (PFOS)	53.5	0.96	ng/L	21.47	34.4	88.9	58-149			
Perfluorononanesulfonic acid (PFNS)	21.1	0.96	ng/L	22.28	ND	94.5	52-148			
Perfluorodecanesulfonic acid (PFDS)	19.8	0.96	ng/L	22.34	ND	88.4	51-147			
Perfluorododecanesulfonic acid (PFDoS)	20.5	0.96	ng/L	22.46	ND	91.3	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	98.6	3.9	ng/L	86.82	ND	114	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	102	3.9	ng/L	87.97	ND	116	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	95.2	3.9	ng/L	89.13	ND	107	63-152			
Perfluorooctanesulfonamide (PFOSA)	23.5	0.96	ng/L	23.15	ND	101	61-148			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	26.0	0.96	ng/L	23.15	ND	112	63-145			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	27.1	0.96	ng/L	23.15	ND	117	65-139			
N-MeFOSAA (NMeFOSAA)	26.9	0.96	ng/L	23.15	ND	116	58-144			
N-EtFOSAA (NEtFOSAA)	20.3	0.96	ng/L	23.15	ND	87.5	59-146			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	237	9.6	ng/L	231.5	ND	102	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	234	9.6	ng/L	231.5	ND	101	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	99.2	3.9	ng/L	92.61	ND	107	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	99.7	3.9	ng/L	87.40	ND	114	68-146			
9Cl-PF3ONS (F53B Minor)	87.5	3.9	ng/L	86.82	ND	101	56-156			
11Cl-PF3OUDS (F53B Major)	78.2	3.9	ng/L	87.40	ND	89.5	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	195	9.6	ng/L	231.5	ND	84.3	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	1060	48	ng/L	1158	ND	91.4	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	909	48	ng/L	1158	ND	78.6	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	50.3	1.9	ng/L	41.21	ND	122	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	43.8	1.9	ng/L	46.30	ND	94.7	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	49.1	1.9	ng/L	46.30	ND	106	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	42.8	1.9	ng/L	46.30	ND	92.5	48-161			
Surrogate: 13C4-PFBA	75.5		ng/L	96.46		78.3	10-130			
Surrogate: 13C5-PFPeA	40.1		ng/L	48.23		83.1	35-150			
Surrogate: 13C5-PFHxA	18.4		ng/L	24.12		76.3	55-150			
Surrogate: 13C4-PFHpA	17.1		ng/L	24.12		71.0	55-150			
Surrogate: 13C8-PFOA	19.3		ng/L	24.12		80.2	60-140			
Surrogate: 13C9-PFNA	8.15		ng/L	12.06		67.6	55-140			

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
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Batch B386610 - Draft Method 1633
Matrix Spike (B386610-MS1)
Source: 2410055-14

Prepared: 09/23/24 Analyzed: 09/24/24

Surrogate: 13C6-PFDA	8.74		ng/L	12.06		72.5	50-140			
Surrogate: 13C7-PFUnA	8.72		ng/L	12.06		72.3	30-140			
Surrogate: 13C2-PFDoA	8.15		ng/L	12.06		67.6	10-150			
Surrogate: 13C2-PFTeDA	7.77		ng/L	12.06		64.4	10-130			
Surrogate: 13C3-PFBS	19.6		ng/L	24.12		81.1	55-150			
Surrogate: 13C3-PFHxS	19.2		ng/L	24.12		79.6	55-150			
Surrogate: 13C8-PFOS	17.5		ng/L	24.12		72.5	45-140			
Surrogate: 13C2-4:2FTS	69.5		ng/L	48.23		144	60-200			
Surrogate: 13C2-6:2FTS	51.4		ng/L	48.23		107	60-200			
Surrogate: 13C2-8:2FTS	38.2		ng/L	48.23		79.2	50-200			
Surrogate: 13C8-PFOSA	14.7		ng/L	24.12		60.9	30-130			
Surrogate: D3-NMeFOSA	11.4		ng/L	24.12		47.4	15-130			
Surrogate: D5-NEtFOSA	11.4		ng/L	24.12		47.4	10-130			
Surrogate: D3-NMeFOSAA	33.1		ng/L	48.23		68.7	45-200			
Surrogate: D5-NEtFOSAA	37.1		ng/L	48.23		76.9	10-200			
Surrogate: D7-NMeFOSE	125		ng/L	241.2		51.8	10-150			
Surrogate: D9-NEtFOSE	124		ng/L	241.2		51.6	10-150			
Surrogate: 13C3-HFPO-DA	68.8		ng/L	96.46		71.3	25-160			

Matrix Spike Dup (B386610-MSD1)
Source: 2410055-14

Prepared: 09/23/24 Analyzed: 09/24/24

Perfluorobutanoic acid (PFBA)	115	4.0	ng/L	96.00	8.77	110	58-148	7.40	20	
Perfluoropentanoic acid (PFPeA)	65.7	2.0	ng/L	48.00	10.2	116	54-152	6.66	20	
Perfluorohexanoic acid (PFHxA)	35.7	1.0	ng/L	24.00	8.36	114	55-152	6.28	25	
Perfluoroheptanoic acid (PFHpA)	30.5	1.0	ng/L	24.00	4.53	108	54-154	6.98	25	
Perfluorooctanoic acid (PFOA)	37.7	1.0	ng/L	24.00	11.8	108	52-161	3.61	25	
Perfluorononanoic acid (PFNA)	27.7	1.0	ng/L	24.00	1.13	111	59-149	3.10	25	
Perfluorodecanoic acid (PFDA)	26.2	1.0	ng/L	24.00	0.526	107	52-147	5.45	25	
Perfluoroundecanoic acid (PFUnA)	25.3	1.0	ng/L	24.00	ND	105	48-159	4.91	30	
Perfluorododecanoic acid (PFDoA)	26.0	1.0	ng/L	24.00	ND	108	64-142	11.6	25	
Perfluorotridecanoic acid (PFTTrDA)	26.1	1.0	ng/L	24.00	ND	109	49-148	9.97	25	
Perfluorotetradecanoic acid (PFTeDA)	26.3	1.0	ng/L	24.00	ND	110	47-161	7.59	25	
Perfluorobutanesulfonic acid (PFBS)	28.3	1.0	ng/L	21.30	4.94	110	62-144	9.44	20	
Perfluoropentanesulfonic acid (PFPeS)	26.8	1.0	ng/L	22.56	2.52	107	59-151	9.94	25	
Perfluorohexanesulfonic acid (PFHxS)	28.9	1.0	ng/L	21.96	6.92	100	57-146	10.7	25	
Perfluoroheptanesulfonic acid (PFHpS)	25.9	1.0	ng/L	22.86	0.600	111	55-152	3.81	25	
Perfluorooctanesulfonic acid (PFOS)	60.1	1.0	ng/L	22.26	34.4	116	58-149	11.7	20	
Perfluorononanesulfonic acid (PFNS)	22.0	1.0	ng/L	23.10	ND	95.2	52-148	4.24	25	
Perfluorodecanesulfonic acid (PFDS)	21.4	1.0	ng/L	23.16	ND	92.3	51-147	7.93	25	
Perfluorododecanesulfonic acid (PFDoS)	21.3	1.0	ng/L	23.28	ND	91.3	36-145	3.58	30	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	100	4.0	ng/L	90.00	ND	111	67-146	1.64	25	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	110	4.0	ng/L	91.20	ND	120	61-151	7.00	30	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	98.7	4.0	ng/L	92.40	ND	107	63-152	3.55	30	
Perfluorooctanesulfonamide (PFOSA)	24.6	1.0	ng/L	24.00	ND	103	61-148	4.72	20	
N-methyl perfluorooctanesulfonamide (NMeFOSA)	28.6	1.0	ng/L	24.00	ND	119	63-145	9.69	25	
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	27.3	1.0	ng/L	24.00	ND	114	65-139	0.564	25	
N-MeFOSAA (NMeFOSAA)	27.5	1.0	ng/L	24.00	ND	115	58-144	2.45	25	
N-EtFOSAA (NEtFOSAA)	21.0	1.0	ng/L	24.00	ND	87.7	59-146	3.76	25	
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	258	10	ng/L	240.0	ND	108	71-136	8.57	20	

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 B386610 - Draft Method 1633										
Matrix Spike Dup (B386610-MSD1)	Source: 2410055-14			Prepared: 09/23/24 Analyzed: 09/24/24						
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	249	10	ng/L	240.0	ND	104	69-137	6.31	25	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	109	4.0	ng/L	96.00	ND	114	63-144	9.58	25	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	119	4.0	ng/L	90.60	ND	131	68-146	17.8	20	
9Cl-PF3ONS (F53B Minor)	103	4.0	ng/L	90.00	ND	115	56-156	16.3	30	
11Cl-PF3OUdS (F53B Major)	91.0	4.0	ng/L	90.60	ND	100	46-156	15.1	35	
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	210	10	ng/L	240.0	ND	87.5	62-129	7.27	20	
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	1100	50	ng/L	1200	ND	92.0	63-134	4.26	20	
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	981	50	ng/L	1200	ND	81.8	50-138	7.61	25	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	52.0	2.0	ng/L	42.72	ND	122	56-151	3.33	20	
Perfluoro-3-methoxypropanoic acid (PFMPA)	45.5	2.0	ng/L	48.00	ND	94.9	51-145	3.81	25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	51.7	2.0	ng/L	48.00	ND	108	55-148	5.02	20	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	45.8	2.0	ng/L	48.00	ND	95.4	48-161	6.70	35	
Surrogate: 13C4-PFBA	77.4		ng/L	100.0		77.4	10-130			
Surrogate: 13C5-PFPeA	41.2		ng/L	50.00		82.5	35-150			
Surrogate: 13C5-PFHxA	19.2		ng/L	25.00		76.7	55-150			
Surrogate: 13C4-PFHpA	17.7		ng/L	25.00		70.8	55-150			
Surrogate: 13C8-PFOA	19.4		ng/L	25.00		77.7	60-140			
Surrogate: 13C9-PFNA	8.59		ng/L	12.50		68.7	55-140			
Surrogate: 13C6-PFDA	8.88		ng/L	12.50		71.0	50-140			
Surrogate: 13C7-PFUnA	8.90		ng/L	12.50		71.2	30-140			
Surrogate: 13C2-PFDoA	7.62		ng/L	12.50		60.9	10-150			
Surrogate: 13C2-PFTeDA	7.38		ng/L	12.50		59.1	10-130			
Surrogate: 13C3-PFBS	18.9		ng/L	25.00		75.6	55-150			
Surrogate: 13C3-PFHxS	18.4		ng/L	25.00		73.5	55-150			
Surrogate: 13C8-PFOS	17.6		ng/L	25.00		70.4	45-140			
Surrogate: 13C2-4:2FTS	68.9		ng/L	50.00		138	60-200			
Surrogate: 13C2-6:2FTS	49.4		ng/L	50.00		98.8	60-200			
Surrogate: 13C2-8:2FTS	35.6		ng/L	50.00		71.3	50-200			
Surrogate: 13C8-PFOSA	15.1		ng/L	25.00		60.4	30-130			
Surrogate: D3-NMeFOSA	11.3		ng/L	25.00		45.0	15-130			
Surrogate: D5-NEtFOSA	11.8		ng/L	25.00		47.3	10-130			
Surrogate: D3-NMeFOSAA	33.3		ng/L	50.00		66.7	45-200			
Surrogate: D5-NEtFOSAA	36.6		ng/L	50.00		73.2	10-200			
Surrogate: D7-NMeFOSE	123		ng/L	250.0		49.3	10-150			
Surrogate: D9-NEtFOSE	122		ng/L	250.0		48.7	10-150			
Surrogate: 13C3-HFPO-DA	64.6		ng/L	100.0		64.6	25-160			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B384905 - Draft Method 1633										
Blank (B384905-BLK1)				Prepared & Analyzed: 09/04/24						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B384905-BS1)				Prepared & Analyzed: 09/04/24						
Total Suspended Solids	174	5.0	mg/L	200.0		87.0	51.5-130			
Batch B384906 - Draft Method 1633										
Blank (B384906-BLK1)				Prepared & Analyzed: 09/04/24						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B384906-BS1)				Prepared & Analyzed: 09/04/24						
Total Suspended Solids	178	5.0	mg/L	200.0		89.0	51.5-130			
Batch B385056 - Draft Method 1633										
Blank (B385056-BLK1)				Prepared & Analyzed: 09/05/24						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B385056-BS1)				Prepared & Analyzed: 09/05/24						
Total Suspended Solids	179	5.0	mg/L	200.0		89.5	51.5-130			
Batch B385057 - Draft Method 1633										
Blank (B385057-BLK1)				Prepared & Analyzed: 09/05/24						
Total Suspended Solids	ND	5.0	mg/L							
LCS (B385057-BS1)				Prepared & Analyzed: 09/05/24						
Total Suspended Solids	205	5.0	mg/L	200.0		102	51.5-130			

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

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.
D	Sample analyzed at a dilution.
D-03	Sample diluted pre-extraction due to elevated TSS pre-analysis result.
H-01	Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
PF-22	Qualifier ion ratio >150% of associated calibration. Detection is suspect.
PF-23	Qualifier ion ratio <50% of associated calibration. Detection is suspect.
RL-11	Elevated reporting limit due to high concentration of target compounds.
S-29	Extracted Internal Standard is outside of control limits.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

CERTIFICATIONS
Certified Analyses included in this Report

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

SW-846 8260D in Water

Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2025
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
RI	Rhode Island Department of Health	LAO00373	12/30/2024
NC	North Carolina Div. of Water Quality	652	12/31/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2025
WV	West Virginia DEP Division of Water and Waste Management	419	08/31/2025

Page

Page 116 of 119

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

Log In Back-Sheet

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

Client Arcadis

Project Brewerton - Jukes Clambers

MCP/RCP Required MA

Deliverable Package Requirement MA

Location Brewerton, NV

PWSID# (When Applicable) MA

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time Br. 8/20/24 1015

Back-Sheet By / Date / Time LA 9/13/24 949

Temperature Method JL # 6

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

Temp 15°C Actual Temperature 3.2/5.2/4.5

Rush Samples: Yes / ☒ No Notify

Short Hold: Yes / ☒ No Notify

Notes regarding Samples/COC outside of SOP:

	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.

Effective Date: 06/11/2024

[illegible]

APPENDIX C

Data Usability Summary Reports

**DATA USABILITY SUMMARY REPORT
JACKS DRY CLEANERS, BREWERTON, NEW YORK**

Client: Arcadis, Clifton Park, New York
SDG: 24I0055
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: Jacks Dry Cleaners, Brewerton, New York
Date: October 24, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-15BR	24I0055-01	Water
2+	MW-10	24I0055-02	Water
3*	MW-10BR	24I0055-03	Water
4	MW-12	24I0055-04	Water
5*	IW-17	24I0055-05	Water
6	IW-18	24I0055-06	Water
7*	IW-14	24I0055-07	Water
8	IW-25	24I0055-08	Water
9	MW-14	24I0055-09	Water
10*	MW-14BR	24I0055-10	Water
11*	MW-9	24I0055-11	Water
12	MW-13	24I0055-12	Water
13	MW-7	24I0055-13	Water
14	MW-2	24I0055-14	Water
14MS	MW-2MS	24I0055-14MS	Water
14MSD	MW-2MSD	24I0055-14MSD	Water
15	MW-1R	24I0055-15	Water
16	MW-5	24I0055-16	Water
17	IW-31	24I0055-17	Water
18*	IW-29	24I0055-18	Water
19	DUP 20240829	24I0055 19	Water
20*	TRIP BLANK	24I0055-20	Water
21+	EquipmentBlank-20240829	24I0055-21	Water

+ - PFAS only * - VOC only

A Data Usability Summary Review was performed on the analytical data for nineteen water samples, one aqueous equipment blank sample, and one aqueous trip blank sample collected on August 27-29, 2024 by Arcadis at the Jacks Dry Cleaners site in Brewerton, New York. The samples were analyzed under Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions and the USEPA Draft Method for the Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS.

Specific method references are as follows:

Analysis

VOC

PFAS

Method References

USEPA SW-846 Method 8260D

USEPA Draft Method 1633

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number QA-HWSS-A-004, March 2022, Standard Operating Procedure for Validation of Volatile Data;
- New York State Department of Environmental Conservation (NYSDEC) Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), April 2023;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Liquid Chromatography (LC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Method blank and field blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Compound Quantitation
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D	Qualifier	Affected Samples
09/05/24 (0805)	Benzene	25.8%	J/UJ	All Samples
	Bromochloromethane	24.5%	UJ	
	Chloromethane	47.0%	UJ	
	Methyl Cyclohexane	31.4%	J/UJ	
	Naphthalene	53.0%	UJ	

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field QC samples are summarized below.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TRIP BLANK	None - ND	-	-	-

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

MS/MSD Sample	Compound	MS %R/MSD %R/ RPD	Qualifier
14	n-Butylbenzene	67.8%/OK/OK	UJ
	Carbon Tetrachloride	67.4%/OK/OK	
	trans-1,3-Dichloropropene	69.4%/OK/OK	
	2-Hexanone	52.5%/60.6%/OK	None - See LCS
	4-Methyl-2-pentanone	66.2%/69.8%/OK	
	Naphthalene	25.7%/34.0%/OK	None - See CCAL
	1,2,3-Trichlorobenzene	51.2%/65.7%/OK	None - See LCS
	1,2,4-Trichlorobenzene	45.5%/57.1%/OK	

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

- The LCS/LCSD exhibited acceptable percent recoveries (%R) and RPD values except for the following.

LCS ID	Compound	LCS %R/LCSD %R/RPD	Qualifier	Affected Samples
B385062-BS1+BSD1	2-Hexanone	64.8%/57.5%/OK	UJ	All Samples
	Naphthalene	37.3%/37.9%/OK	None	See CCAL
	1,2,3-Trichlorobenzene	65.3%/66.0%/OK	UJ	All Samples
	1,2,4-Trichlorobenzene	60.1%/61.7%/OK		
	4-Methyl-2-pentanone	OK/65.7%/OK		

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limit was adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	MW-1R ug/L	DUP-20240829 ug/L	RPD	Qualifier
Acetone	2.7	2.6	4%	None
Benzene	3.5	3.4	3%	
1,1-Dichloroethane	0.70	0.71	1%	
cis-1,2-Dichloroethylene	37	37	0%	
trans-1,2-Dichloroethylene	0.64	0.62	3%	
Ethylbenzene	0.19	0.17	11%	
Methyl tert-Butyl Ether	2.8	2.8	0%	
Tetrachloroethylene	2.0	1.9	5%	
Trichloroethylene	5.2	5.2	0%	
Vinyl Chloride	13	12	8%	
m+p Xylene	0.25	0.25U	NC	
o-Xylene	0.34	0.35	3%	

Perfluorinated Alkyl Substances (PFAS)

Holding Times

- All samples were extracted and analyzed within holding times.

LC/MS Tuning

- All criteria were met.

Initial Calibration

- All relative standard deviation (%RSD) and/or correlation coefficients and mean RRF criteria were met.

Continuing Calibration

- All percent difference (%D) and RRF criteria were met.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank sample results are summarized below.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
Equipment Blank-20240829	None - ND	-	-	-

Surrogate Spike Recoveries

- Several surrogates were recovered outside of QC limits. The associated compounds were qualified estimated (J).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria except for the following.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- Several compounds in various samples were flagged for ion ratio deficiency. The reviewer qualified these results estimated (J).

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	MW-1R ug/L	DUP-20240829 ug/L	RPD	Qualifier
PFBA	29	29	0%	None
PFPeA	82	80	2%	
PFHxA	46	46	0%	
PFHpA	28	28	0%	
PFOA	87	87	0%	
PFNA	9.1	9.0	1%	
PFDA	8.3	8.5	2%	
PFUnA	0.30	0.19U	NC	
PFBS	5.9	5.1	15%	
PFPeS	3.0	2.5	18%	
PFHxS	9.0	8.9	1%	
PFHpS	3.9	4.0	3%	
PFOSA	5.3	0.22U	NC	
NMeFOSAA	1.4	1.2	15%	
NEtFOSAA	7.3	7.2	1%	
PFOS	630	640	2%	

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed:

Nancy Weaver
Nancy Weaver
Senior Chemist

Dated: 10/26/24

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

1 - FORM I ANALYSIS DATA SHEET

123

MW-15BR

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-01
		File ID:	C24V24911.D
Sampled:	08/27/24 11:30	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 11:11
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene	1.0 J	0.14	1.0	
74-97-5	Bromochloromethane	UJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	UJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	9.6	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

UW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

124

MW-15BR

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-01
		File ID:	C24V24911.D
Sampled:	08/27/24 11:30	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 11:11
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.32	0.17	1.0	J
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	1.0	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride	5.3	0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

New 101 241-24

1 - FORM I
ANALYSIS DATA SHEET

125

MW-15BR

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-01 File ID: C24V24911.D
Sampled: 08/27/24 11:30 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 11:11
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

MW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

135

MW-10BR

3

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-03
		File ID:	C24V24912.D
Sampled:	08/27/24 11:35	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 11:38
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene	uJ	0.14	1.0	
74-97-5	Bromochloromethane	uJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

mw 10124124

1 - FORM I ANALYSIS DATA SHEET

136

MW-10BR

3

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-03
		File ID:	C24V24912.D
Sampled:	08/27/24 11:35	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 11:38
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	1.1	0.17	1.0	
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

u 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

137

MW-10BR

3

Laboratory: Pace New England Work Order: 2410055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 2410055-03 File ID: C24V24912.D
Sampled: 08/27/24 11:35 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 11:38
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

MW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

145

MW-12

4

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-04
		File ID:	C24V24913.D
Sampled:	08/27/24 13:10	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 12:05
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.6	2.0	50	J
71-43-2	Benzene	uj	0.14	1.0	
74-97-5	Bromochloromethane	uj	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane	40	0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uj	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane	0.17	0.15	1.0	J
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.86	0.20	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

09/24/24

1 - FORM I ANALYSIS DATA SHEET

146

MW-12

4

Laboratory:	Pace New England	Work Order:	2410055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	2410055-04
		File ID:	C24V24913.D
Sampled:	08/27/24 13:10	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 12:05
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene	0.12	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	0.48	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride	0.78	0.19	2.0	J
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

mw 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

147

MW-12

4

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-04 File ID: C24V24913.D
Sampled: 08/27/24 13:10 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 12:05
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

10/24/24

1 - FORM I ANALYSIS DATA SHEET

159

IW-17

5

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-05
		File ID:	C24V24914.D
Sampled:	08/27/24 14:25	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 12:31
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	4.5	2.0	50	J
71-43-2	Benzene	1.4 J	0.14	1.0	
74-97-5	Bromochloromethane	uJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane	0.35	0.15	1.0	J
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	20	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

see 10/24/24

1 - FORM I ANALYSIS DATA SHEET

160

IW-17

5

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-05
		File ID:	C24V24914.D
Sampled:	08/27/24 14:25	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 12:31
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	UJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.35	0.17	1.0	J
108-87-2	Methyl Cyclohexane	UJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	UJ	1.4	10	
91-20-3	Naphthalene	UJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene	0.19	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene	UJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	UJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride	17	0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

mw 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

161

IW-17

5

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-05 File ID: C24V24914.D
Sampled: 08/27/24 14:25 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 12:31
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

MW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

176

IW-18

6

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-06
		File ID:	C24V24915.D
Sampled:	08/27/24 14:15	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 12:58
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene	1.7 J	0.14	1.0	
74-97-5	Bromochloromethane	UJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	UJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene	0.31	0.18	1.0	J
156-59-2	cis-1,2-Dichloroethylene	77	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	0.35	0.16	1.0	J
78-87-5	1,2-Dichloropropane		0.17	1.0	

NW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

177

IW-18

6

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-06
		File ID:	C24V24915.D
Sampled:	08/27/24 14:15	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 12:58
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	1.1	0.17	1.0	
108-87-2	Methyl Cyclohexane	0.22 J	0.13	1.0	J
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene	0.33	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	0.84	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride	84	0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

mw 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

178

IW-18

6

Laboratory: Pace New England Work Order: 2410055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 2410055-06 File ID: C24V24915.D
Sampled: 08/27/24 14:15 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 12:58
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

10/24/24

1 - FORM I ANALYSIS DATA SHEET

192

IW-14

7

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-07
		File ID:	C24V24916.D
Sampled:	08/27/24 09:45	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 13:25
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	7.2	2.0	50	J
71-43-2	Benzene	0.71	0.14	1.0	J
74-97-5	Bromochloromethane		0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	1.3	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

10/24/24

1 - FORM I ANALYSIS DATA SHEET

193

IW-14

7

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-07
		File ID:	C24V24916.D
Sampled:	08/27/24 09:45	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 13:25
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	UJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	0.20 J	0.13	1.0	J
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	UJ	1.4	10	
91-20-3	Naphthalene	UJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene	0.57	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene	UJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	UJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

NW 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

194

IW-14

7

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-07 File ID: C24V24916.D
Sampled: 08/27/24 09:45 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 13:25
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

Aw 10/24/24

1 - FORM I ANALYSIS DATA SHEET

205

IW-25

8

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-08
		File ID:	C24V24926.D
Sampled:	08/28/24 09:35	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 17:51
Solids:		Preparation:	SW-846 5030B
		Dilution:	20
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		41	1000	
71-43-2	Benzene	uJ	2.9	20	
74-97-5	Bromochloromethane	uJ	6.4	20	
75-27-4	Bromodichloromethane		3.7	10	
75-25-2	Bromoform		6.0	20	
74-83-9	Bromomethane		30	40	
78-93-3	2-Butanone (MEK)		28	400	
104-51-8	n-Butylbenzene		3.1	20	
135-98-8	sec-Butylbenzene		3.3	20	
98-06-6	tert-Butylbenzene		3.3	20	
75-15-0	Carbon Disulfide		31	100	
56-23-5	Carbon Tetrachloride		3.9	100	
108-90-7	Chlorobenzene		3.5	20	
124-48-1	Chlorodibromomethane		2.6	10	
75-00-3	Chloroethane		9.2	40	
67-66-3	Chloroform		3.8	40	
74-87-3	Chloromethane	uJ	9.9	40	
110-82-7	Cyclohexane		35	100	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		13	100	
106-93-4	1,2-Dibromoethane (EDB)		2.5	10	
95-50-1	1,2-Dichlorobenzene		3.5	20	
541-73-1	1,3-Dichlorobenzene		3.1	20	
106-46-7	1,4-Dichlorobenzene		3.3	20	
75-71-8	Dichlorodifluoromethane (Freon 12)		4.0	40	
75-34-3	1,1-Dichloroethane		3.0	20	
107-06-2	1,2-Dichloroethane		2.5	20	
75-35-4	1,1-Dichloroethylene		3.6	20	
156-59-2	cis-1,2-Dichloroethylene	1300	4.0	20	
156-60-5	trans-1,2-Dichloroethylene	14	3.1	20	J
78-87-5	1,2-Dichloropropane		3.4	20	

uJ 10/24/24

1 - FORM I ANALYSIS DATA SHEET

206

8

IW-25

Laboratory:	Pace New England	Work Order:	2410055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	2410055-08
		File ID:	C24V24926.D
Sampled:	08/28/24 09:35	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 17:51
Solids:		Preparation:	SW-846 5030B
		Dilution:	20
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		2.6	10	
10061-02-6	trans-1,3-Dichloropropene		2.9	10	
100-41-4	Ethylbenzene		2.7	20	
591-78-6	2-Hexanone (MBK)	uJ	27	200	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		3.1	20	
99-87-6	p-Isopropyltoluene (p-Cymene)		3.1	20	
79-20-9	Methyl Acetate		9.6	20	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		3.3	20	
108-87-2	Methyl Cyclohexane	uJ	2.7	20	
75-09-2	Methylene Chloride		3.8	100	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	27	200	
91-20-3	Naphthalene	uJ	4.9	40	L-04, V-05
103-65-1	n-Propylbenzene		2.2	20	
100-42-5	Styrene		2.6	20	
79-34-5	1,1,2,2-Tetrachloroethane		2.0	10	
127-18-4	Tetrachloroethylene		3.3	20	
108-88-3	Toluene		2.3	20	
87-61-6	1,2,3-Trichlorobenzene	uJ	4.3	100	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	3.9	20	L-04, V-05
71-55-6	1,1,1-Trichloroethane		2.8	20	
79-00-5	1,1,2-Trichloroethane		3.6	20	
79-01-6	Trichloroethylene	15	3.3	20	J
75-69-4	Trichlorofluoromethane (Freon 11)		2.9	40	
96-18-4	1,2,3-Trichloropropane		5.4	40	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		3.2	20	
95-63-6	1,2,4-Trimethylbenzene		3.1	20	
108-67-8	1,3,5-Trimethylbenzene		3.4	20	
75-01-4	Vinyl Chloride	200	3.9	40	
179601-23-1	m+p Xylene		4.9	40	
95-47-6	o-Xylene		3.1	20	

uJ 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

207

8

IW-25

Laboratory: Pace New England Work Order: 2410055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 2410055-08 File ID: C24V24926.D
Sampled: 08/28/24 09:35 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 17:51
Solids: Preparation: SW-846 5030B Dilution: 20
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		20	20	

IW10/24/24

1 - FORM I ANALYSIS DATA SHEET

216

MW-14

9

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-09
		File ID:	C24V24917.D
Sampled:	08/28/24 12:15	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 13:51
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	5.0	2.0	50	J
71-43-2	Benzene	uJ	0.14	1.0	
74-97-5	Bromochloromethane	uJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

MW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

217

MW-14

9

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-09
		File ID:	C24V24917.D
Sampled:	08/28/24 12:15	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 13:51
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene	0.25	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

NEW 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

218

MW-14

9

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-09 File ID: C24V24917.D
Sampled: 08/28/24 12:15 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 13:51
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

MW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

228

MW-14BR

10

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-10
		File ID:	C24V24918.D
Sampled:	08/28/24 14:15	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 14:18
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.9	2.0	50	J
71-43-2	Benzene	uJ	0.14	1.0	
74-97-5	Bromochloromethane	uJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.59	0.20	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

uJ id 24124

1 - FORM I ANALYSIS DATA SHEET

229

MW-14BR

10

Laboratory:	Pace New England	Work Order:	2410055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	2410055-10
		File ID:	C24V24918.D
Sampled:	08/28/24 14:15	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 14:18
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	UJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	UJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	UJ	1.4	10	
91-20-3	Naphthalene	UJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	UJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	UJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	0.35	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

NW 101 24424

1 - FORM I
ANALYSIS DATA SHEET

230

MW-14BR

10

Laboratory: Pace New England Work Order: 2410055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 2410055-10 File ID: C24V24918.D
Sampled: 08/28/24 14:15 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 14:18
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

MW 10124124

1 - FORM I ANALYSIS DATA SHEET

240

MW-9

11

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-11
		File ID:	C24V24927.D
Sampled:	08/28/24 10:50	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 18:18
Solids:		Preparation:	SW-846 5030B
		Dilution:	2
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.1	100	
71-43-2	Benzene	uJ	0.29	2.0	
74-97-5	Bromochloromethane	uJ	0.64	2.0	
75-27-4	Bromodichloromethane		0.37	1.0	
75-25-2	Bromoform		0.60	2.0	
74-83-9	Bromomethane		3.0	4.0	
78-93-3	2-Butanone (MEK)		2.8	40	
104-51-8	n-Butylbenzene		0.31	2.0	
135-98-8	sec-Butylbenzene		0.33	2.0	
98-06-6	tert-Butylbenzene		0.33	2.0	
75-15-0	Carbon Disulfide		3.1	10	
56-23-5	Carbon Tetrachloride		0.39	10	
108-90-7	Chlorobenzene		0.35	2.0	
124-48-1	Chlorodibromomethane		0.26	1.0	
75-00-3	Chloroethane		0.92	4.0	
67-66-3	Chloroform		0.38	4.0	
74-87-3	Chloromethane	uJ	0.99	4.0	
110-82-7	Cyclohexane		3.5	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		1.3	10	
106-93-4	1,2-Dibromoethane (EDB)		0.25	1.0	
95-50-1	1,2-Dichlorobenzene		0.35	2.0	
541-73-1	1,3-Dichlorobenzene		0.31	2.0	
106-46-7	1,4-Dichlorobenzene		0.33	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.40	4.0	
75-34-3	1,1-Dichloroethane		0.30	2.0	
107-06-2	1,2-Dichloroethane		0.25	2.0	
75-35-4	1,1-Dichloroethylene		0.36	2.0	
156-59-2	cis-1,2-Dichloroethylene	95	0.40	2.0	
156-60-5	trans-1,2-Dichloroethylene	1.3	0.31	2.0	J
78-87-5	1,2-Dichloropropane		0.34	2.0	

MW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

241

MW-9

11

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-11
		File ID:	C24V24927.D
Sampled:	08/28/24 10:50	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 18:18
Solids:		Preparation:	SW-846 5030B
		Dilution:	2
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.26	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.29	1.0	
100-41-4	Ethylbenzene		0.27	2.0	
591-78-6	2-Hexanone (MBK)	uJ	2.7	20	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.31	2.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.31	2.0	
79-20-9	Methyl Acetate		0.96	2.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.33	2.0	
108-87-2	Methyl Cyclohexane	uJ	0.27	2.0	
75-09-2	Methylene Chloride		0.38	10	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	2.7	20	
91-20-3	Naphthalene	uJ	0.49	4.0	L-04, V-05
103-65-1	n-Propylbenzene		0.22	2.0	
100-42-5	Styrene		0.26	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.20	1.0	
127-18-4	Tetrachloroethylene	6.1	0.33	2.0	
108-88-3	Toluene		0.23	2.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	0.43	10	V-05, L-04
120-82-1	1,2,4-Trichlorobenzene	uJ	0.39	2.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.28	2.0	
79-00-5	1,1,2-Trichloroethane		0.36	2.0	
79-01-6	Trichloroethylene	59	0.33	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
96-18-4	1,2,3-Trichloropropane		0.54	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.32	2.0	
95-63-6	1,2,4-Trimethylbenzene		0.31	2.0	
108-67-8	1,3,5-Trimethylbenzene		0.34	2.0	
75-01-4	Vinyl Chloride	33	0.39	4.0	
179601-23-1	m+p Xylene		0.49	4.0	
95-47-6	o-Xylene		0.31	2.0	

mw, 9/24/24

1 - FORM I
ANALYSIS DATA SHEET

242

MW-9

11

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-11 File ID: C24V24927.D
Sampled: 08/28/24 10:50 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 18:18
Solids: Preparation: SW-846 5030B Dilution: 2
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		2.0	2.0	

MW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

253

MW-13

12

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-12
		File ID:	C24V24928.D
Sampled:	08/28/24 12:00	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 18:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	5
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		10	250	
71-43-2	Benzene	UJ	0.72	5.0	
74-97-5	Bromochloromethane	UJ	1.6	5.0	
75-27-4	Bromodichloromethane		0.93	2.5	
75-25-2	Bromoform		1.5	5.0	
74-83-9	Bromomethane		7.4	10	
78-93-3	2-Butanone (MEK)		7.1	100	
104-51-8	n-Butylbenzene		0.78	5.0	
135-98-8	sec-Butylbenzene		0.82	5.0	
98-06-6	tert-Butylbenzene		0.83	5.0	
75-15-0	Carbon Disulfide		7.6	25	
56-23-5	Carbon Tetrachloride		0.97	25	
108-90-7	Chlorobenzene		0.89	5.0	
124-48-1	Chlorodibromomethane		0.64	2.5	
75-00-3	Chloroethane		2.3	10	
67-66-3	Chloroform		0.95	10	
74-87-3	Chloromethane	UJ	2.5	10	
110-82-7	Cyclohexane		8.8	25	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		3.1	25	
106-93-4	1,2-Dibromoethane (EDB)		0.63	2.5	
95-50-1	1,2-Dichlorobenzene		0.87	5.0	
541-73-1	1,3-Dichlorobenzene		0.77	5.0	
106-46-7	1,4-Dichlorobenzene		0.84	5.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		1.0	10	
75-34-3	1,1-Dichloroethane		0.75	5.0	
107-06-2	1,2-Dichloroethane		0.63	5.0	
75-35-4	1,1-Dichloroethylene		0.90	5.0	
156-59-2	cis-1,2-Dichloroethylene	250	1.0	5.0	
156-60-5	trans-1,2-Dichloroethylene	3.8	0.78	5.0	J
78-87-5	1,2-Dichloropropane		0.85	5.0	

MW10/24/24

1 - FORM I ANALYSIS DATA SHEET

254

MW-13

12

Laboratory:	Pace New England	Work Order:	2410055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	2410055-12
		File ID:	C24V24928.D
Sampled:	08/28/24 12:00	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 18:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	5
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.64	2.5	
10061-02-6	trans-1,3-Dichloropropene		0.72	2.5	
100-41-4	Ethylbenzene		0.68	5.0	
591-78-6	2-Hexanone (MBK)	uJ	6.7	50	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.78	5.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.78	5.0	
79-20-9	Methyl Acetate		2.4	5.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.84	5.0	
108-87-2	Methyl Cyclohexane	uJ	0.67	5.0	
75-09-2	Methylene Chloride		0.95	25	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	6.8	50	
91-20-3	Naphthalene	uJ	1.2	10	L-04, V-05
103-65-1	n-Propylbenzene		0.55	5.0	
100-42-5	Styrene		0.64	5.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.51	2.5	
127-18-4	Tetrachloroethylene	520	0.83	5.0	
108-88-3	Toluene		0.57	5.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	1.1	25	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.97	5.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.70	5.0	
79-00-5	1,1,2-Trichloroethane		0.91	5.0	
79-01-6	Trichloroethylene	210	0.83	5.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.71	10	
96-18-4	1,2,3-Trichloropropane		1.3	10	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.79	5.0	
95-63-6	1,2,4-Trimethylbenzene		0.78	5.0	
108-67-8	1,3,5-Trimethylbenzene		0.85	5.0	
75-01-4	Vinyl Chloride	28	0.97	10	
179601-23-1	m+p Xylene		1.2	10	
95-47-6	o-Xylene		0.78	5.0	

New 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

255

MW-13

12

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-12 File ID: C24V24928.D
Sampled: 08/28/24 12:00 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 18:45
Solids: Preparation: SW-846 5030B Dilution: 5
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		5.0	5.0	

mw 10/24/24

1 - FORM I ANALYSIS DATA SHEET

267

MW-7

13

Laboratory:	Pace New England	Work Order:	2410055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	2410055-13
		File ID:	C24V24919.D
Sampled:	08/28/24 14:15	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 14:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene	UJ	0.14	1.0	
74-97-5	Bromochloromethane	UJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	UJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	11	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

see 10/24/24

1 - FORM I ANALYSIS DATA SHEET

268

MW-7

13

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-13
		File ID:	C24V24919.D
Sampled:	08/28/24 14:15	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 14:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	0.35	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride	18	0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

24/24/24

1 - FORM I
ANALYSIS DATA SHEET

269

MW-7

13

Laboratory: Pace New England Work Order: 2410055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 2410055-13 File ID: C24V24919.D
Sampled: 08/28/24 14:15 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 14:45
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

MW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

279

MW-2

14

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-14
		File ID:	C24V24920.D
Sampled:	08/29/24 09:10	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 15:11
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.6	2.0	50	J
71-43-2	Benzene	uJ	0.14	1.0	
74-97-5	Bromochloromethane	uJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene	uJ	0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride	uJ	0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	1.1	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

mw 10/24/24

1 - FORM I ANALYSIS DATA SHEET

280

MW-2

14

Laboratory:	Pace New England	Work Order:	2410055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	2410055-14
		File ID:	C24V24920.D
Sampled:	08/29/24 09:10	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 15:11
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene	4J	0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	4J	1.3	10	04, MS-09, V-0
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	4J	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	4J	1.4	10	MS-09
91-20-3	Naphthalene	4J	0.25	2.0	04, MS-09, V-0
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene	15	0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	4J	0.22	5.0	04, MS-09, V-0
120-82-1	1,2,4-Trichlorobenzene	4J	0.19	1.0	04, MS-09, V-0
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	1.9	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

10/24/24

1 - FORM I
ANALYSIS DATA SHEET

281

MW-2

14

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-14 File ID: C24V24920.D
Sampled: 08/29/24 09:10 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 15:11
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

new 10/24/24

1 - FORM I ANALYSIS DATA SHEET

289

MW-1R

15

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-15
		File ID:	C24V24921.D
Sampled:	08/29/24 10:45	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 15:38
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.7	2.0	50	J
71-43-2	Benzene	3.5 J	0.14	1.0	
74-97-5	Bromochloromethane	uJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane	0.70	0.15	1.0	J
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	37	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	0.64	0.16	1.0	J
78-87-5	1,2-Dichloropropane		0.17	1.0	

MW 10124(24)

1 - FORM I ANALYSIS DATA SHEET

290

MW-1R

15

Laboratory:	Pace New England	Work Order:	24I0055	
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566	
Matrix:	Ground Water	Laboratory ID:	24I0055-15	File ID: C24V24921.D
Sampled:	08/29/24 10:45	Prepared:	09/05/24 06:43	Analyzed: 09/05/24 15:38
Solids:		Preparation:	SW-846 5030B	Dilution: 1
Initial/Final:	5 mL / 5 mL			
Batch:	B385062	Sequence:	S110041	Calibration: 2200537
				Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene	0.19	0.14	1.0	J
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	2.8	0.17	1.0	
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene	2.0	0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	V-05, L-04
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	5.2	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride	13	0.19	2.0	
179601-23-1	m+p Xylene	0.25	0.25	2.0	J
95-47-6	o-Xylene	0.34	0.16	1.0	J

mw 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

291

MW-1R

15

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-15 File ID: C24V24921.D
Sampled: 08/29/24 10:45 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 15:38
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

MW10124124

1 - FORM I ANALYSIS DATA SHEET

307

MW-5

16

Laboratory:	Pace New England	Work Order:	2410055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	2410055-16
		File ID:	C24V24922.D
Sampled:	08/29/24 10:00	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 16:05
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.4	2.0	50	J
71-43-2	Benzene	uJ	0.14	1.0	
74-97-5	Bromochloromethane	uJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

MW 10124024

1 - FORM I ANALYSIS DATA SHEET

308

MW-5

16

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-16
		File ID:	C24V24922.D
Sampled:	08/29/24 10:00	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 16:05
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

MW10124124

1 - FORM I
ANALYSIS DATA SHEET

309

MW-5

16

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-16 File ID: C24V24922.D
Sampled: 08/29/24 10:00 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 16:05
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

09/10/24/24

1 - FORM I ANALYSIS DATA SHEET

316

IW-31

17

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-17
		File ID:	C24V24923.D
Sampled:	08/29/24 12:30	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 16:31
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.7	2.0	50	J
71-43-2	Benzene	uJ	0.14	1.0	
74-97-5	Bromochloromethane	uJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	1.5	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

new 10/24/24

1 - FORM I ANALYSIS DATA SHEET

317

IW-31

17

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-17
		File ID:	C24V24923.D
Sampled:	08/29/24 12:30	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 16:31
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride	0.96	0.19	2.0	J
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

hw 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

318

IW-31

17

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-17 File ID: C24V24923.D
Sampled: 08/29/24 12:30 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 16:31
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

MW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

327

IW-29

18

Laboratory:	Pace New England	Work Order:	2410055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	2410055-18
		File ID:	C24V24924.D
Sampled:	08/29/24 13:20	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 16:58
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.7	2.0	50	J
71-43-2	Benzene	uJ	0.14	1.0	
74-97-5	Bromochloromethane	uJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.97	0.20	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

10/24/24

1 - FORM I ANALYSIS DATA SHEET

328

IW-29

18

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-18
		File ID:	C24V24924.D
Sampled:	08/29/24 13:20	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 16:58
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	0.18	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride	0.52	0.19	2.0	J
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

mu 10/24/24

1 - FORM I
ANALYSIS DATA SHEET

329

IW-29

18

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-18 File ID: C24V24924.D
Sampled: 08/29/24 13:20 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 16:58
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

new 10/24/24

1 - FORM I ANALYSIS DATA SHEET

339

DUP-20240829

19

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-19
		File ID:	C24V24925.D
Sampled:	08/29/24 00:00	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 17:25
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.6	2.0	50	J
71-43-2	Benzene	3.4	0.14	1.0	
74-97-5	Bromochloromethane		0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane	0.71	0.15	1.0	J
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	37	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	0.62	0.16	1.0	J
78-87-5	1,2-Dichloropropane		0.17	1.0	

W 10/24/24

1 - FORM I ANALYSIS DATA SHEET

340

DUP-20240829

19

Laboratory:	Pace New England	Work Order:	2410055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	2410055-19
		File ID:	C24V24925.D
Sampled:	08/29/24 00:00	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 17:25
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene	0.17	0.14	1.0	J
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	2.8	0.17	1.0	
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene	1.9	0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	5.2	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride	12	0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene	0.35	0.16	1.0	J

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1 - FORM I
ANALYSIS DATA SHEET

341

DUP-20240829

19

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24I0055-19 File ID: C24V24925.D
Sampled: 08/29/24 00:00 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 17:25
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

pw10124124

1 - FORM I ANALYSIS DATA SHEET

356

TRIP BLANK

20

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Trip Blank Water	Laboratory ID:	24I0055-20
		File ID:	C24V24910.D
Sampled:	08/29/24 00:00	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 10:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene	uJ	0.14	1.0	
74-97-5	Bromochloromethane	uJ	0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane	uJ	0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	
78-87-5	1,2-Dichloropropane		0.17	1.0	

New 10/24/24

1 - FORM I ANALYSIS DATA SHEET

357

TRIP BLANK

20

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Trip Blank Water	Laboratory ID:	24I0055-20
		File ID:	C24V24910.D
Sampled:	08/29/24 00:00	Prepared:	09/05/24 06:43
		Analyzed:	09/05/24 10:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B385062	Sequence:	S110041
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)	uJ	1.3	10	L-04, V-05
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	uJ	0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	uJ	1.4	10	
91-20-3	Naphthalene	uJ	0.25	2.0	L-04, V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	uJ	0.22	5.0	L-04, V-05
120-82-1	1,2,4-Trichlorobenzene	uJ	0.19	1.0	L-04, V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	

uJ, 0124/24

1 - FORM I
ANALYSIS DATA SHEET

358

TRIP BLANK

20

Laboratory: Pace New England Work Order: 24I0055
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Trip Blank Water Laboratory ID: 24I0055-20 File ID: C24V24910.D
Sampled: 08/29/24 00:00 Prepared: 09/05/24 06:43 Analyzed: 09/05/24 10:45
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B385062 Sequence: S110041 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1330-20-7	Xylenes (total)		1.0	1.0	

09/05/24/24

1 - FORM I ANALYSIS DATA SHEET

MW-15BR

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-01
		File ID:	24I0055-01.d
Sampled:	08/27/24 11:30	Prepared:	09/23/24 00:00
		Analyzed:	09/24/24 14:44
Solids:		Preparation:	Draft Method 1633
		Dilution:	1
Initial/Final:	539.67 mL / 5 mL		
Batch:	B386610	Sequence:	S111083
		Calibration:	2400938
		Instrument:	QQQ5

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)	4.9	2.0	3.7	
2706-90-3	Perfluoropentanoic acid (PFPeA)	6.7	0.40	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)	3.8	0.22	0.93	
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.3	0.25	0.93	
335-67-1	Perfluorooctanoic acid (PFOA)	3.4	0.24	0.93	
375-95-1	Perfluorononanoic acid (PFNA)		0.17	0.93	
335-76-2	Perfluorodecanoic acid (PFDA)		0.19	0.93	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.19	0.93	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.19	0.93	
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)		0.27	0.93	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.24	0.93	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.86	0.20	0.93	J
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	0.36	0.24	0.93	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.63	0.26	0.93	J
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.31	0.93	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.1 J	0.36	0.93	PF-23
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.23	0.93	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.27	0.93	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.27	0.93	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (		0.69	3.7	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (t		2.8	3.7	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (		1.0	3.7	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.22	0.93	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeF		0.30	0.93	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS		0.31	0.93	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.33	0.93	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.37	0.93	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol(		2.5	9.3	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (N		2.5	9.3	

NW 10/24/24

1 - FORM I

ANALYSIS DATA SHEET

MW-15BR

Laboratory: Pace New England Work Order: 24I0055
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24I0055-01 File ID: 24I0055-01.d
 Sampled: 08/27/24 11:30 Prepared: 09/23/24 00:00 Analyzed: 09/24/24 14:44
 Solids: Preparation: Draft Method 1633 Dilution: 1
 Initial/Final: 539.67 mL / 5 mL
 Batch: B386610 Sequence: S111083 Calibration: 2400938 Instrument: QQQ5

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.96	3.7	
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON.		0.76	3.7	
756426-58-1	9CI-PF3ONS (F53B Minor)		0.89	3.7	
763051-92-9	11CI-PF3OUdS (F53B Major)		0.99	3.7	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		2.0	9.3	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		10	46	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:1		8.8	46	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEE		0.32	1.9	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.52	1.9	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.50	1.9	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		0.51	1.9	

MW 10/24/24

1 - FORM I

ANALYSIS DATA SHEET

MW-10

2

Laboratory: Pace New England Work Order: 24I0055
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24I0055-02 File ID: 24I0055-02.d
 Sampled: 08/27/24 10:35 Prepared: 09/23/24 00:00 Analyzed: 09/24/24 15:00
 Solids: Preparation: Draft Method 1633 Dilution: 1
 Initial/Final: 100.82 mL / 5 mL
 Batch: B386610 Sequence: S111083 Calibration: 2400938 Instrument: QQQ5

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)		11	20	
2706-90-3	Perfluoropentanoic acid (PFPeA)		2.1	9.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		1.2	5.0	
375-85-9	Perfluoroheptanoic acid (PFHpA)		1.3	5.0	
335-67-1	Perfluorooctanoic acid (PFOA)		1.3	5.0	
375-95-1	Perfluorononanoic acid (PFNA)		0.93	5.0	
335-76-2	Perfluorodecanoic acid (PFDA)		1.0	5.0	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		1.0	5.0	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.99	5.0	
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)		1.5	5.0	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		1.3	5.0	
375-73-5	Perfluorobutanesulfonic acid (PFBS)		1.1	5.0	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		1.3	5.0	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		1.4	5.0	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		1.6	5.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		1.9	5.0	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		1.2	5.0	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		1.4	5.0	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		1.4	5.0	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (		3.7	20	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (t		15	20	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (		5.5	20	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		1.2	5.0	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeF		1.6	5.0	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS		1.7	5.0	
2355-31-9	N-MeFOSAA (NMeFOSAA)		1.8	5.0	
2991-50-6	N-EtFOSAA (NEtFOSAA)		2.0	5.0	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol(		14	50	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (N		13	50	

MW10124124

1 - FORM I

ANALYSIS DATA SHEET

MW-10

2

Laboratory: Pace New England Work Order: 24I0055
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24I0055-02 File ID: 24I0055-02.d
 Sampled: 08/27/24 10:35 Prepared: 09/23/24 00:00 Analyzed: 09/24/24 15:00
 Solids: Preparation: Draft Method 1633 Dilution: 1
 Initial/Final: 100.82 mL / 5 mL
 Batch: B386610 Sequence: S111083 Calibration: 2400938 Instrument: QQQ5

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		5.1	20	
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON.		4.1	20	
756426-58-1	9CI-PF3ONS (F53B Minor)		4.8	20	
763051-92-9	11CI-PF3OUdS (F53B Major)		5.3	20	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		11	50	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		56	250	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:1		47	250	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEE		1.7	9.9	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		2.8	9.9	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		2.7	9.9	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA		2.7	9.9	

MW10124124

1 - FORM I ANALYSIS DATA SHEET

MW-12

4

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-04
		File ID:	24I0055-04.d
Sampled:	08/27/24 13:10	Prepared:	09/23/24 00:00
		Analyzed:	09/24/24 15:16
Solids:		Preparation:	Draft Method 1633
		Dilution:	1
Initial/Final:	530.29 mL / 5 mL		
Batch:	B386610	Sequence:	S111083
		Calibration:	2400938
		Instrument:	QQQ5

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)	3.7	2.1	3.8	J
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.2	0.40	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)	1.2	0.23	0.94	
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.38	0.25	0.94	J
335-67-1	Perfluorooctanoic acid (PFOA)	0.65	0.25	0.94	J
375-95-1	Perfluorononanoic acid (PFNA)		0.18	0.94	
335-76-2	Perfluorodecanoic acid (PFDA)		0.20	0.94	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.19	0.94	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.19	0.94	
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)		0.28	0.94	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.24	0.94	
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.20	0.94	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		0.24	0.94	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.26	0.94	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.31	0.94	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.36	0.94	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.24	0.94	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.27	0.94	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.27	0.94	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (		0.70	3.8	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (t		2.9	3.8	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (		1.1	3.8	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.22	0.94	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeF		0.31	0.94	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS		0.32	0.94	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.34	0.94	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.38	0.94	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol(		2.6	9.4	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (N		2.5	9.4	

see 10/24/24

1 - FORM I

ANALYSIS DATA SHEET

MW-12

4

Laboratory: Pace New England Work Order: 24I0055
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24I0055-04 File ID: 24I0055-04.d
 Sampled: 08/27/24 13:10 Prepared: 09/23/24 00:00 Analyzed: 09/24/24 15:16
 Solids: Preparation: Draft Method 1633 Dilution: 1
 Initial/Final: 530.29 mL / 5 mL
 Batch: B386610 Sequence: S111083 Calibration: 2400938 Instrument: QQQ5

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.97	3.8	
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON.		0.77	3.8	
756426-58-1	9CI-PF3ONS (F53B Minor)		0.91	3.8	
763051-92-9	11CI-PF3OUdS (F53B Major)		1.0	3.8	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		2.1	9.4	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		11	47	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:1		9.0	47	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEE		0.33	1.9	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.52	1.9	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.51	1.9	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		0.52	1.9	

MW10124124

1 - FORM I ANALYSIS DATA SHEET

IW-18

6

Laboratory:	Pace New England	Work Order:	24I0055
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24I0055-06
		File ID:	24I0055-06.d
Sampled:	08/27/24 14:15	Prepared:	09/23/24 00:00
		Analyzed:	09/24/24 15:31
Solids:		Preparation:	Draft Method 1633
		Dilution:	1
Initial/Final:	522.55 mL / 5 mL		
Batch:	B386610	Sequence:	S111083
		Calibration:	2400938
		Instrument:	QQQ5

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)	13	2.1	3.8	
2706-90-3	Perfluoropentanoic acid (PFPeA)	20	0.41	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)	12	0.23	0.96	
375-85-9	Perfluoroheptanoic acid (PFHpA)	4.4	0.25	0.96	
335-67-1	Perfluorooctanoic acid (PFOA)	13	0.25	0.96	
375-95-1	Perfluorononanoic acid (PFNA)	1.2	0.18	0.96	
335-76-2	Perfluorodecanoic acid (PFDA)		0.20	0.96	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.19	0.96	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.19	0.96	
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)		0.28	0.96	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.25	0.96	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	3.8	0.20	0.96	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.3	0.25	0.96	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.6	0.27	0.96	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.32	0.96	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	23	0.37	0.96	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.24	0.96	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.28	0.96	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.28	0.96	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (		0.71	3.8	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (		2.9	3.8	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (		1.1	3.8	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.22	0.96	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeF		0.31	0.96	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS		0.32	0.96	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.34	0.96	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.38	0.96	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol(		2.6	9.6	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (N		2.6	9.6	

MW10124124

1 - FORM I

ANALYSIS DATA SHEET

IW-18

6

Laboratory: Pace New England Work Order: 24I0055
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24I0055-06 File ID: 24I0055-06.d
 Sampled: 08/27/24 14:15 Prepared: 09/23/24 00:00 Analyzed: 09/24/24 15:31
 Solids: Preparation: Draft Method 1633 Dilution: 1
 Initial/Final: 522.55 mL / 5 mL
 Batch: B386610 Sequence: S111083 Calibration: 2400938 Instrument: QQQ5

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.99	3.8	
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON.		0.79	3.8	
756426-58-1	9CI-PF3ONS (F53B Minor)		0.92	3.8	
763051-92-9	11CI-PF3OUdS (F53B Major)		1.0	3.8	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		2.1	9.6	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		11	48	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:1		9.1	48	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEE		0.33	1.9	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.53	1.9	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.52	1.9	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		0.53	1.9	

NW 10/24/24

1 - FORM I

ANALYSIS DATA SHEET

IW-25

8

Laboratory: Pace New England Work Order: 24I0055
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24I0055-08 File ID: 24I0055-08.d
 Sampled: 08/28/24 09:35 Prepared: 09/23/24 00:00 Analyzed: 09/24/24 15:47
 Solids: Preparation: Draft Method 1633 Dilution: 1
 Initial/Final: 540.19 mL / 5 mL
 Batch: B386610 Sequence: S111083 Calibration: 2400938 Instrument: QQQ5

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)	14	2.0	3.7	
2706-90-3	Perfluoropentanoic acid (PFPeA)	39	0.40	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)	22	0.22	0.93	
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.6	0.25	0.93	
335-67-1	Perfluorooctanoic acid (PFOA)	17	0.24	0.93	
375-95-1	Perfluorononanoic acid (PFNA)	1.8	0.17	0.93	
335-76-2	Perfluorodecanoic acid (PFDA)	0.50	0.19	0.93	J
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.19	0.93	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.19	0.93	
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)		0.27	0.93	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.24	0.93	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.5	0.20	0.93	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	1.1	0.24	0.93	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	3.5	0.26	0.93	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.73	0.31	0.93	J
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	39	0.36	0.93	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.23	0.93	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.27	0.93	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.27	0.93	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (		0.69	3.7	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (		2.8	3.7	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (		1.0	3.7	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.21	0.93	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeF		0.30	0.93	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS		0.31	0.93	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.33	0.93	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.37	0.93	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol(		2.5	9.3	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (N		2.5	9.3	

NEW 10/24/24

1 - FORM I ANALYSIS DATA SHEET

IW-25

8

Laboratory: Pace New England Work Order: 2410055
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 2410055-08 File ID: 2410055-08.d
 Sampled: 08/28/24 09:35 Prepared: 09/23/24 00:00 Analyzed: 09/24/24 15:47
 Solids: Preparation: Draft Method 1633 Dilution: 1
 Initial/Final: 540.19 mL / 5 mL
 Batch: B386610 Sequence: S111083 Calibration: 2400938 Instrument: QQQ5

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.96	3.7	
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON		0.76	3.7	
756426-58-1	9CI-PF3ONS (F53B Minor)		0.89	3.7	
763051-92-9	11CI-PF3OUdS (F53B Major)		0.99	3.7	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		2.0	9.3	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		10	46	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:1		8.8	46	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEE		0.32	1.9	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.51	1.9	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.50	1.9	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		0.51	1.9	

mw 12/24/24

