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Subject:
2024 Q1 Monitoring Report
Brewerton Jack's Cleaners
NYSDEC Site No. 734112
Contract No. D009804-26

Date:
June 7, 2024

Dear Ms. Fitzgerald:

Contact:
Stefan Bagnato

Arcadis of New York, Inc. (Arcadis) has prepared this letter report to present the results of the March 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

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.

Our ref:
30135043

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. Current monitoring efforts aim to evaluate the effectiveness of the enhanced bioremediation remedy.

Analytical Results

Groundwater Sampling

Between March 27 and April 10, 2024, Arcadis conducted groundwater sampling at all 29 planned monitoring well locations using a combination of low-flow sampling and passive diffusion bags (PDBs). 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.

As applicable, groundwater was purged from the wells until field parameters stabilized, or PDBs were allowed to equilibrate for at least two weeks. Groundwater samples were collected from the monitoring wells listed in **Table 2**. Duplicate samples, DUP-20240328 and DUP-20240412 were collected at MW-14 and IW-29, respectively. An equipment blank, EB-20240328, 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. Samples from wells MW-10, MW-11, and MW-14 were also analyzed for 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 Q1 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), PCE, and trichloroethene (TCE) were the most frequently detected compounds in groundwater samples

collected during the 2024 Q1 event. Acetone is known to be a common laboratory contaminant and is not considered a contaminant of concern for this site. 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 – 13 micrograms per liter (µg/L)
	MW-1R	cDCE – 50 µg/L, VC – 15 µg/L
Immediately Down-gradient of Source Area	MW-09	cDCE – 18 µg/L, VC – 18 µg/L
	MW-07	VC – 15 µg/L
	MW-13	PCE – 780 D µg/L, TCE – 340 D µg/L, cDCE – 320 D µg/L, VC – 24 D µg/L
	IW-25	cDCE – 6.1 µg/L
Down-gradient plume area		No exceedances

As shown in **Table 3**, the groundwater samples collected from MW-10, MW-11, and MW-14 did not contain Perfluorooctane sulfonic acid (PFOS) nor 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. 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 3rd Quarter of 2023, the sampling results from the 1st Quarter of 2024 show the following changes:

- Increased concentrations of PCE and/or TCE are noted at MW-1R and MW-13;
- Decreased concentrations of PCE and/or TCE are noted at MW-1R, MW-02, MW-09, and IW-25;
- Increased concentrations of breakdown products are noted at MW-1R, though changes were minor in magnitude;
- Decreased concentrations of breakdown products are noted at MW-09, MW-13, and IW-25; 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

With the 1st Quarter of 2024 sampling, it appears that the extent of PFAS impacts at the site has been generally defined. 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. Further there does not appear to be off-site migration.

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.

As summarized on **Table 4**, the following recommendations are offered for the 2024 Q2 sampling event:

- Continue to sample wells with PDBs if wells are only analyzed for VOCs.
- Reduce VOC sampling to the immediate area surrounding source area and residual plume.
- Begin 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 – Q1 2024

Figure 5 – Summary of CVOCs in Bedrock Groundwater – Q1 2024

Figure 6 – Summary of PFAS in Groundwater – Q1 2024

Table 1 – Summary of Groundwater Elevations

Table 2 – Summary of Sampled Wells

Table 3 – Summary of Groundwater Sampling Results

Table 4 – Proposed 2024 Q2 Sampling

Appendix A – Field Sampling Logs

Appendix B – Laboratory Analytical Reports

Appendix C – Data Usability Summary Reports

Legend

- NOTES:
Aerial Background: Google Satellite

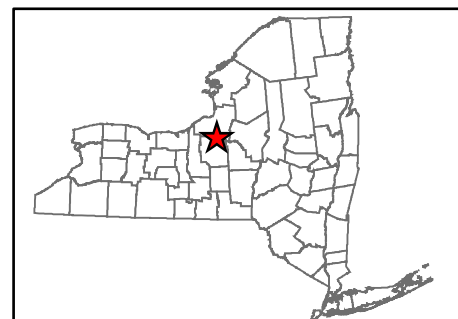
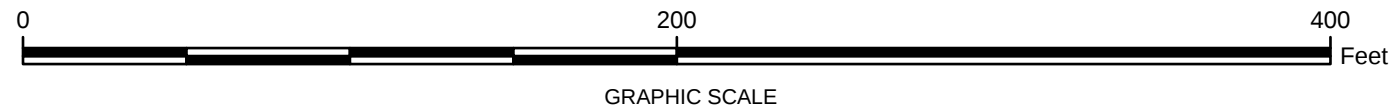


SITE MAP



FIGURE 1

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Legend

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

NOTES:

Aerial Background: Google Satellite

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

OVERBURDEN POTENTIOMETRIC CONTOUR MAP MARCH 26, 2024



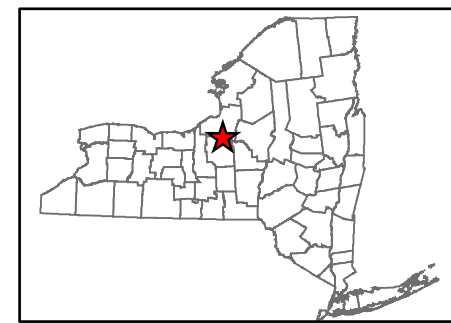
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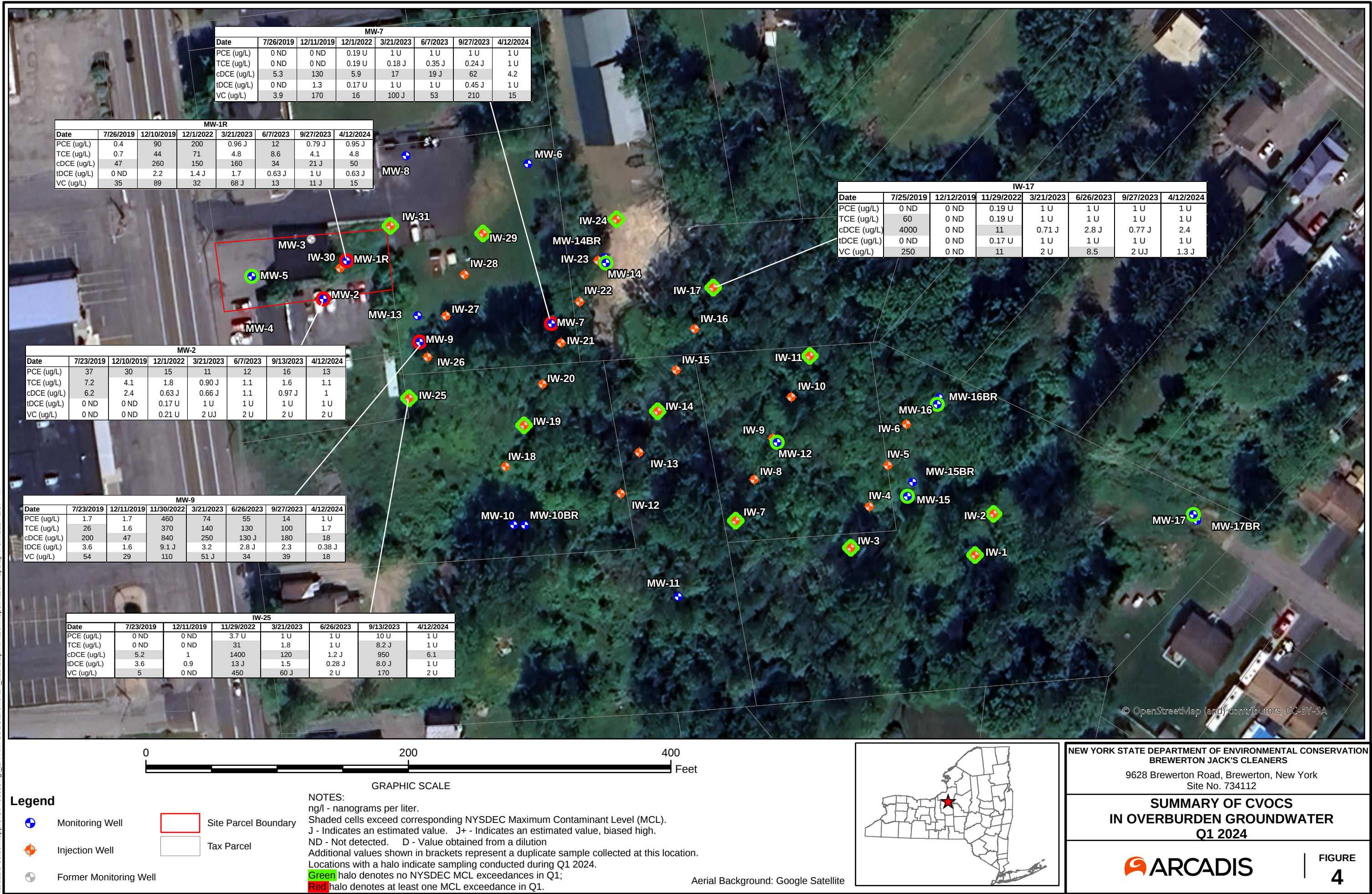
Legend

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

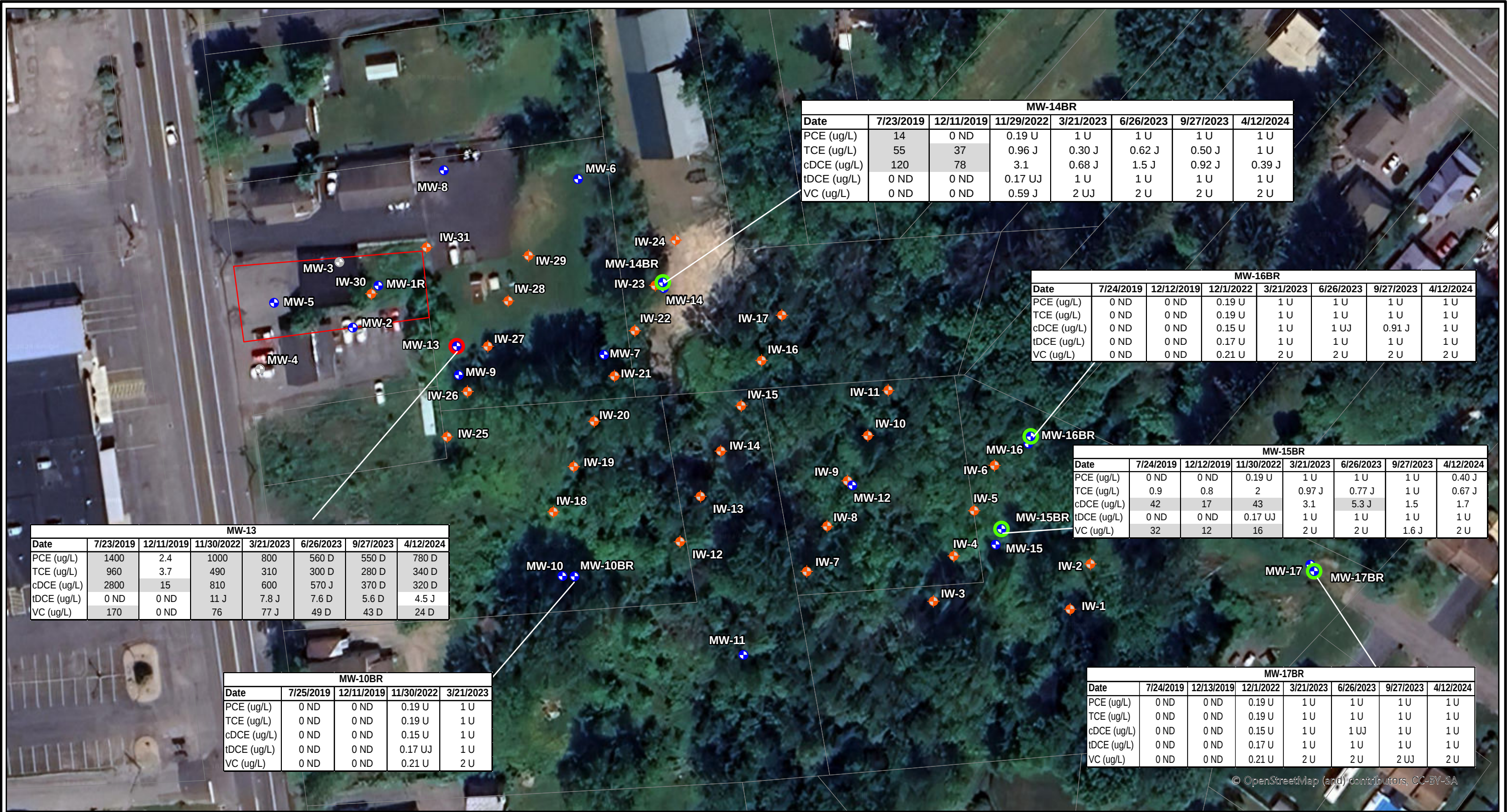
NOTES:
Aerial Background: Google Satellite



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION BREWERTON JACK'S CLEANERS 9628 Brewerton Road, Brewerton, New York Site No. 734112	
BEDROCK POTENTIOMETRIC CONTOUR MAP MARCH 26, 2024	
	FIGURE 3



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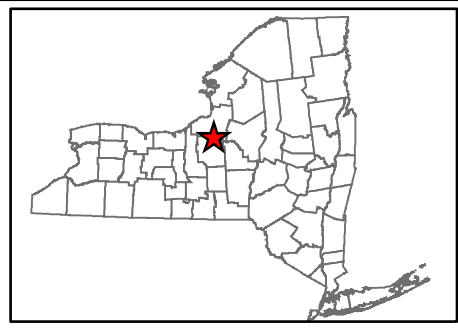


Legend

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

NOTES:
ng/l - nanograms per liter.
Shaded cells exceed corresponding NYSDEC Maximum Contaminant Level (MCL).
J - Indicates an estimated value. J+ - Indicates an estimated value, biased high.
ND - Not detected. D - Value obtained from a dilution
Additional values shown in brackets represent a duplicate sample collected at this location.
Locations with a halo indicate sampling conducted during Q1 2024.
Green halo denotes no NYSDEC MCL exceedances in Q1;
Red halo denotes at least one MCL exceedance in Q1.

Aerial Background: Google Satellite



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

SUMMARY OF CVOCS
IN BEDROCK GROUNDWATER
Q1 2024

ARCADIS

FIGURE
5

City: Clifton Park Div/Group: ENV Created By: D.Giroux Last Saved By: Giroux
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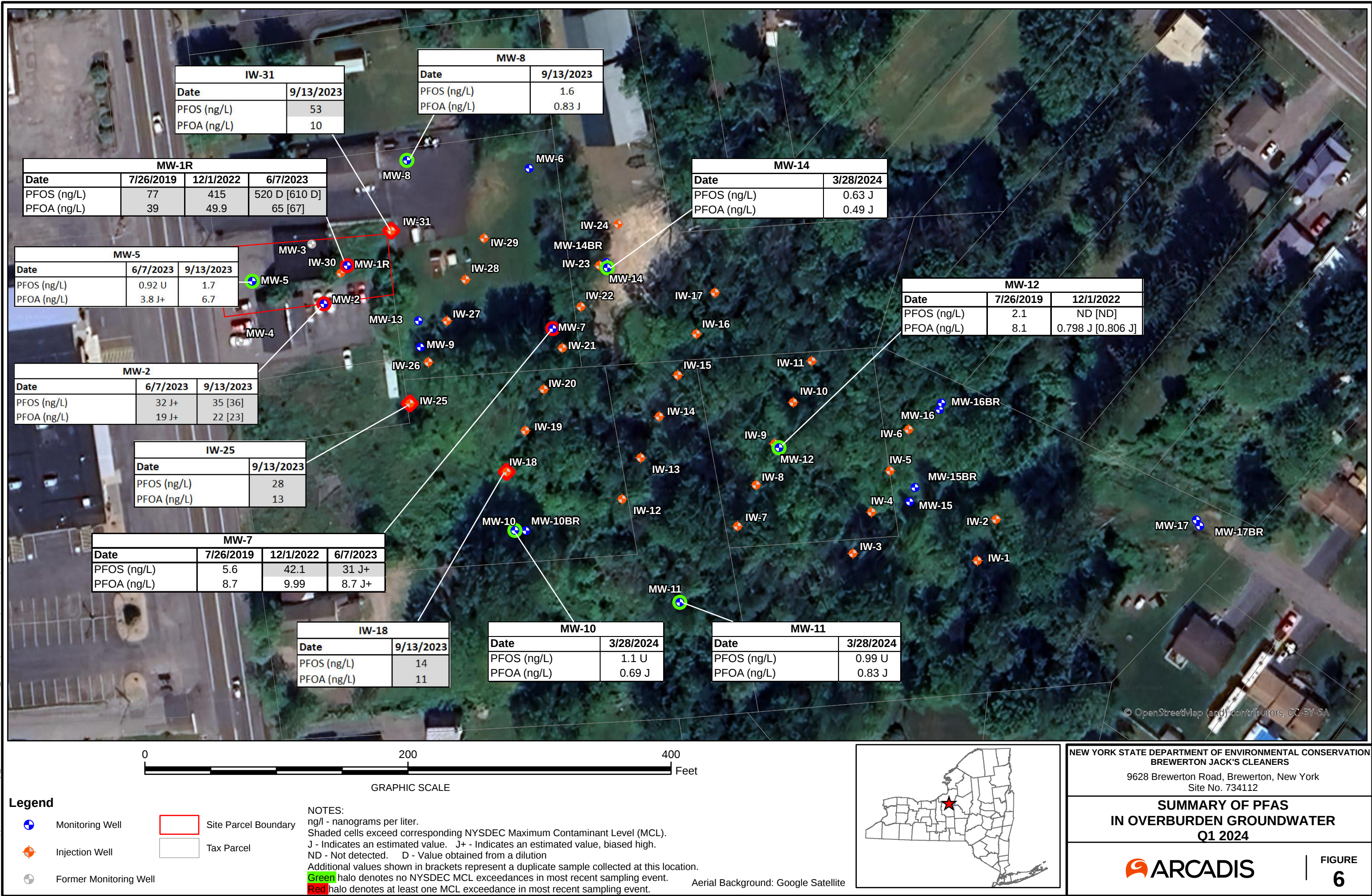


Table 1
Summary of Groundwater Elevations
Brewerton Jack's Cleaners
Brewerton, New York

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	397.21	2.43	397.55	4.75	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	39499.89	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	5.58	394.11	3.40	396.29	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	2.63	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	938660.83	2	18	21	3.54	396.10	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	938557.25	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	1179436.15	938614.64	2	17.5	20	NM	--	2.03	397.11	1.96	397.18	3.75	42993.25	2.60	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	--	0.73	397.83	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	NM	--	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	42987.86	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	
			DTW (feet)	Elevation (feet)
MW-1R	400.70	400.87	1.50	399.37
MW-2	401.39	401.10	1.84	399.26
MW-5	402.55	402.12	3.07	399.05
MW-7	400.29	399.98	2.39	397.59
MW-8	404.24	403.92	5.02	398.90
MW-9	400.05	399.80	1.81	397.99
MW-10	397.8	400.39	3.02	397.37
MW-10BR	397.90	400.36	2.69	397.67
MW-11	397.6	400.19	2.78	397.41
MW-12	397.5	399.84	2.35	397.49
MW-13	400.78	400.53	2.74	397.79
MW-14	397.20	399.79	2.16	397.63
MW-14BR	397.40	399.69	2.93	396.76
MW-15	399.50	402.13	3.48	398.65
MW-15BR	399.40	402.04	5.50	396.54
MW-16	402.30	404.46	5.63	398.83
MW-16BR	402.60	404.95	8.59	396.36
MW-17	401.90	404.19	4.67	399.52
MW-17BR	401.50	403.65	8.43	395.22
IW-1	UNK	401.19	2.26	398.93
IW-2	UNK	401.22	2.06	399.16
IW-3	UNK	399.85	2.04	397.81
IW-4	UNK	400.09	2.00	398.09
IW-5	UNK	401.25	2.82	398.43
IW-6	UNK	402.93	4.24	398.69
IW-7	UNK	398.63	1.24	397.39
IW-8	UNK	398.67	1.37	397.30
IW-9	UNK	399.57	2.19	397.38
IW-10	UNK	400.15	2.71	397.44
IW-11	UNK	400.44	3.05	397.39
IW-12	UNK	398.14	0.75	397.39
IW-13	UNK	398.34	1.02	397.32
IW-14	UNK	399.64	2.26	397.38
IW-15	UNK	399.46	2.11	397.35
IW-16	UNK	398.63	1.45	397.18
IW-17	UNK	398.68	1.72	396.96
IW-18	UNK	398.89	1.41	397.48
IW-19	UNK	398.21	0.80	397.41
IW-20	UNK	398.39	0.91	397.48
IW-21	UNK	399.29	NM	NM
IW-22	UNK	398.25	0.83	397.42
IW-23	UNK	399.14	1.99	397.15
IW-24	UNK	397.57	0.37	397.20
IW-25	UNK	398.29	0.66	397.63
IW-26	UNK	398.56	0.82	397.74
IW-27	UNK	400.66	2.66	398.00
IW-28	UNK	401.41	3.00	398.41
IW-29	UNK	402.15	4.07	398.08
IW-30	UNK	401.27	1.96	399.31
IW-31	UNK	403.63	4.80	398.83

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

Table 2
Summary of 2024 Q1 Sampling
Brewerton Jack's Cleaners RA

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

Notes:
(a) Sampled using passive diffusion bags.

Table 3
Summary of Groundwater Sampling Results
2024 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	IW-1	IW-1	IW-1	IW-1	IW-1	IW-1	IW-1	IW-1	IW-2	IW-2	IW-2	IW-2	IW-2	IW-2	IW-2	IW-3
Date Collected:			7/24/2019	12/13/2019	11/30/2022	3/21/2023	6/26/2023	9/27/2023	4/12/2024	7/24/2019	12/12/2019	11/30/2022	3/21/2023	6/26/2023	9/27/2023	4/12/2024	7/24/2019	
Detected Volatile Organics																		
1,1,2-Trichloroethane	1	µg/L	ND	ND	0.18 U	1 U	1 U	1 U	1 U	ND	ND	0.18 U	1 U	1 U	1 U	1 U	1 U	ND
1,1-Dichloroethane	5	µg/L	ND	ND	0.14 U	1 U	1 UJ	1 U	1 U	ND	ND	0.14 U	1 U	1 UJ	1 U	1 U	1 U	ND
1,1-Dichloroethene	5	µg/L	ND	ND	0.14 U	1 U	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 U	1 U	1 U	1 U	ND
1,2,4-Trimethylbenzene	5	µg/L	NA	NA	0.2 U	1 U	NA	NA	1 U	NA	NA	0.2 U	1 U	NA	NA	1 U	NA	
1,2-Dichloroethane	0.6	µg/L	ND	ND	0.31 UJ	1 U	1 U	1 U	1 U	ND	ND	0.31 UJ	1 U	1 U	1 U	1 U	1 U	ND
1,4-Dioxane	-	µg/L	NA	NA	21 U	50 U	50 UJ	50 U	NA	NA	NA	21 U	50 U	50 UJ	50 U	NA	NA	
2-Butanone (MEK)	50	µg/L	ND	67	15 J	20 U	20 U	20 U	1.6 J	100	48	3.5 J	20 U	20 U	20 U	1.9 J	400	
Acetone	50	µg/L	ND	250	75	50 U	3.9 J	5.3 J	8.6 J	960	660	2.6 J	50 U	3.8 J	50 U	9.3 J	650	
Benzene	1	µg/L	ND	ND	0.2 U	1 U	1.3	1 U	1 U	ND	ND	0.2 U	1 U	0.19 J	1 U	1 U	1 U	ND
Bromodichloromethane	50	µg/L	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND
Carbon Disulfide	60	µg/L	ND	ND	1.4 U	5 U	5 U	5 U	5 U	ND	ND	1.4 U	5 U	5 U	5 U	5 U	5 U	ND
Chlorodibromomethane	50	µg/L	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND
Chloroethane	5	µg/L	ND	ND	0.32 U	2 U	2 U	2 U	2 U	ND	ND	0.32 U	2 U	2 U	2 U	2 U	2 U	ND
Chloroform	7	µg/L	ND	ND	0.17 U	2 U	2 U	2 U	2 U	ND	ND	0.17 U	2 U	2 U	2 U	2 U	2 U	ND
Chloromethane	5	µg/L	ND	ND	0.52 U	2 U	2 U	2 U	2 U	ND	ND	0.52 U	2 U	2 U	2 U	2 U	2 U	ND
cis-1,2-Dichloroethene	5	µg/L	ND	ND	0.15 U	1 U	1 UJ	1 U	1 U	ND	ND	0.15 U	1 U	1 UJ	1 U	1 U	1 U	ND
Cyclohexane		µg/L	ND	ND	NA	NA	5 U	5 U	5 U	ND	ND	NA	NA	5 U	5 U	5 U	5 U	ND
Dichloromethane	5	µg/L	2.8	17	0.23 U	5 U	5 U	5 U	5 U	2.1	1.9	0.23 U	5 U	5 U	5 U	5 U	100	
Diethyl ether		µg/L	NA	NA	0.18 U	2 U	NA	NA	NA	NA	NA	0.18 U	2 U	NA	NA	NA	NA	
Di-isopropyl ether		µg/L	NA	NA	0.13 U	0.5 U	NA	NA	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.5 U	NA	
Ethylbenzene	5	µg/L	ND	ND	0.21 U	1 U	1 U	1 U	1 U	ND	ND	0.21 U	1 U	1 U	1 U	1 U	1 U	ND
Isopropylbenzene	5	µg/L	ND	ND	0.11 U	1 U	1 U	1 U	1 U	ND	ND	0.11 U	1 U	1 U	1 U	1 U	1 U	ND
m&p-Xylenes	5	µg/L	NA	NA	0.46 U	2 U	NA	NA	2 U	NA	NA	0.46 U	2 U	NA	NA	2 U	NA	
Methyl Acetate		µg/L	ND	ND	0.45 U	1 U	1 UJ	1 U	1 UJ	ND	ND	0.45 U	1 U	1 UJ	1 U	1 UJ	1 U	ND
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	ND	ND	1.1 U	10 U	10 U	10 U	10 U	ND	ND	1.1 U	10 U	10 U	10 U	10 U	10 U	ND
Methylcyclohexane		µg/L	ND	ND	0.24 U	1 U	1 U	1 U	1 U	ND	ND	0.24 U	1 U	1 U	1 U	1 U	1 U	ND
Methyl-tert-butylether	10	µg/L	ND	ND	0.17 U	1 U	1 U	1 U	1 U	ND	ND	0.17 U	1 U	1 U	1 U	1 U	1 U	ND
o-Xylene	5	µg/L	NA	NA	0.23 U	1 U	NA	NA	1 U	NA	NA	0.23 U	1 U	NA	NA	1 U	NA	
tert-Butylbenzene	5	µg/L	NA	NA	0.13 U	1 U	NA	NA	1 U	NA	NA	0.13 U	1 U	NA	NA	1 U	NA	
Tetrachloroethene	5	µg/L	ND	ND	0.19 U	1 U	1 U	1 U	1 U	ND	ND	0.19 U	1 U	1 U	1 U	1 U	1 U	ND
Tetrahydrofuran	50	µg/L	NA	NA	11	10 U	NA	NA	NA	NA	NA	2.6 J	10 U	NA	NA	NA	NA	
Toluene	5	µg/L	ND	ND	0.25 J	1.0	1 U	1 U	0.50 J	ND	ND	0.30 J	0.94 J	1.0	1 U	0.61 J	ND	
Total VOCs		µg/L	2.8	334	NA	NA	NA	NA	NA	1062	710	NA	NA	NA	NA	NA	1150	
Total Xylenes	5	µg/L	ND	ND	NA	NA	1 U	1 U	1 U	ND	ND	NA	NA	1 U	1 U	1 U	1 U	ND
trans-1,2-Dichloroethene	5	µg/L	ND	ND	0.17 UJ	1 U	1 U	1 U	1 U	ND	ND	0.17 UJ	1 U	1 U	1 U	1 U	1 U	ND
Trichloroethene	5	µg/L	ND	ND	0.19 U	1 U	1 U	1 U	1 U	ND	ND	0.19 U	1 U	1 U	1 U	1 U	1 U	ND
Vinyl chloride	2	µg/L	ND	ND	0.21 U	2 U	2 U	2 U	2 UJ	2 U	ND	0.21 U	2 U	2 U	2 U	2 UJ	2 U	ND
Dissolved Gases																		
Ethane		µg/L	ND	ND	2.6 U	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	ND
Ethene		µg/L	ND	ND	3 U	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	ND
Methane		µg/L	ND	15000	7300	NA	NA	NA	NA	NA	6600	NA	NA	NA	NA	NA	NA	
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
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	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
Perfluorobutanoic acid (PFBA)	-	ng/l	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
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	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
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	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
Perfluoroundecanoic acid (PFUdA)	-	ng/l	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

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 3
Summary of Groundwater Sampling Results
2024 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	IW-3 12/12/2019	IW-3 11/30/2022	IW-3 3/21/2023	IW-3 6/26/2023	IW-3 9/27/2023	IW-3 4/12/2024	IW-7 7/25/2019	IW-7 12/12/2019	IW-7 11/29/2022	IW-7 3/21/2023	IW-7 6/26/2023	IW-7 9/27/2023	IW-7 4/12/2024	IW-11 7/25/2019	IW-11 12/12/2019
Detected Volatile Organics																	
1,1,2-Trichloroethane	1	µg/L	ND	0.18 U	1 U	1 U	1 U	1 U	ND	ND	0.18 U	1 U	1 U	1 U	1 U	ND	ND
1,1-Dichloroethane	5	µg/L	ND	0.14 U	1 U	1 UJ	1 U	1 U	ND	ND	0.14 U	1 U	1 U	1 U	1 U	ND	ND
1,1-Dichloroethene	5	µg/L	ND	0.14 U	1 U	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 U	1 U	1 U	ND	ND
1,2,4-Trimethylbenzene	5	µg/L	NA	0.2 U	1 U	NA	NA	1 U	NA	NA	0.2 U	1 U	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	µg/L	ND	0.31 UJ	1 U	1 U	1 U	1 U	ND	ND	0.31 UJ	1 U	1 U	1 U	1 U	ND	ND
1,4-Dioxane	-	µg/L	NA	21 U	50 U	50 UJ	50 U	NA	NA	NA	21 U	50 U	50 U	50 U	NA	NA	NA
2-Butanone (MEK)	50	µg/L	780	11 J	20 U	20 U	20 U	20 UJ	6.3	18	1.6 U	20 U	20 U	20 U	1.5 J	980	420
Acetone	50	µg/L	340	19 J	50 U	3.5 J	4.8 J	6.4 J	7.3	45	3.6 J	50 U	3.9 J	50 U	8.0 J	1500	880
Benzene	1	µg/L	ND	0.2 U	1 U	6.6	1.4	1 U	0.9	1.1	0.81 J	1.0	2.0	1.4	0.21 J	ND	ND
Bromodichloromethane	50	µg/L	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND
Carbon Disulfide	60	µg/L	ND	1.4 U	5 U	5 U	5 U	5 U	ND	ND	1.4 U	5 U	5 U	5 U	5 U	ND	ND
Chlorodibromomethane	50	µg/L	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND
Chloroethane	5	µg/L	ND	0.32 U	2 U	2 U	2 U	2 U	ND	1	0.32 U	2 U	2 U	2 U	2 U	ND	ND
Chloroform	7	µg/L	ND	0.17 U	2 U	2 U	2 U	2 U	ND	ND	0.17 U	2 U	2 U	2 U	2 U	ND	ND
Chloromethane	5	µg/L	1.4	0.52 U	2 U	2 U	2 U	2 U	ND	1	0.52 U	2 U	2 U	2 U	2 U	ND	ND
cis-1,2-Dichloroethene	5	µg/L	30	3.9	0.43 J	0.49 J	0.42 J	0.29 J	1.8	ND	0.40 J	0.35 J	0.47 J	0.76 J	0.83 J	ND	ND
Cyclohexane		µg/L	ND	NA	NA	5 U	5 U	5 U	1.5	1.5	NA	NA	5 U	5 U	5 U	ND	ND
Dichloromethane	5	µg/L	ND	0.23 U	5 U	5 U	5 U	5 U	ND	ND	0.23 U	5 U	5 U	5 U	5 U	ND	41
Diethyl ether		µg/L	NA	0.18 U	2 U	NA	NA	NA	NA	NA	0.18 U	2 U	NA	NA	NA	NA	NA
Di-isopropyl ether		µg/L	NA	0.13 U	0.5 U	NA	NA	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.5 U	NA	NA
Ethylbenzene	5	µg/L	ND	0.21 U	1 U	1 U	1 U	1 U	ND	ND	0.21 U	1 U	1 U	1 U	1 U	ND	ND
Isopropylbenzene	5	µg/L	ND	0.11 U	1 U	1 U	1 U	1 U	ND	ND	0.11 U	1 U	1 U	1 U	1 U	ND	ND
m&p-Xylenes	5	µg/L	NA	0.46 U	2 U	NA	NA	2 U	NA	NA	0.46 U	2 U	NA	NA	2 U	NA	NA
Methyl Acetate		µg/L	ND	0.45 U	1 U	1 UJ	1 U	1 UJ	ND	ND	0.45 U	1 U	1 U	1 U	1 UJ	ND	ND
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	ND	1.1 U	10 U	10 U	10 U	10 U	ND	ND	1.1 U	10 U	10 U	10 U	10 U	250	ND
Methylcyclohexane		µg/L	ND	0.24 U	1 U	1 U	1 U	1 U	0.5	0.3	0.24 U	1 U	1 U	1 U	1 U	ND	ND
Methyl-tert-butylether	10	µg/L	ND	0.17 U	1 U	1 U	1 U	1 U	0.3	0.4	0.50 J	1 U	1 U	1 U	1 U	ND	ND
o-Xylene	5	µg/L	NA	0.23 U	1 U	NA	NA	1 U	NA	NA	0.23 U	1 U	NA	NA	1 U	NA	NA
tert-Butylbenzene	5	µg/L	NA	0.13 U	1 U	NA	NA	1 U	NA	NA	0.13 U	1 U	NA	NA	1 U	NA	NA
Tetrachloroethene	5	µg/L	4.1	0.19 U	1 U	1 U	1 U	1 U	ND	ND	0.19 U	1 U	1 U	1 U	0.21 J	ND	ND
Tetrahydrofuran	50	µg/L	NA	36	1.3 J	NA	NA	NA	NA	NA	0.49 U	10 U	NA	NA	NA	NA	NA
Toluene	5	µg/L	ND	0.22 U	1 U	0.23 J	1 U	0.51 J	ND	ND	0.22 U	2.5	3.6	1.2	0.24 J	ND	ND
Total VOCs		µg/L	1298	NA	NA	NA	NA	NA	27	70	NA	NA	NA	NA	NA	2730	1341
Total Xylenes	5	µg/L	ND	NA	NA	1 U	1 U	1 U	ND	ND	NA	NA	1 U	1 U	1 U	ND	ND
trans-1,2-Dichloroethene	5	µg/L	ND	0.34 J	1 U	1 U	1 U	1 U	ND	ND	0.17 UJ	1 U	1 U	1 U	1 U	ND	ND
Trichloroethene	5	µg/L	2.1	0.19 U	1 U	1 U	1 U	1 U	0.5	ND	0.19 U	1 U	1 U	1 U	0.45 J	ND	ND
Vinyl chloride	2	µg/L	ND	1.1 J	0.45 J	2 U	2 UJ	2 U	7.6	1.4	0.21 U	2 U	2 U	2 UJ	0.30 J	ND	ND
Dissolved Gases																	
Ethane		µg/L	ND	2.6 U	NA	NA	NA	NA	ND	ND	63	NA	NA	NA	NA	ND	ND
Ethene		µg/L	ND	3 U	NA	NA	NA	NA	ND	3100	3 U	NA	NA	NA	NA	ND	ND
Methane		µg/L	19000	5300	NA	NA	NA	NA	NA	21000	12000	NA	NA	NA	NA	NA	9100
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
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	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
Perfluorobutanoic acid (PFBA)	-	ng/l	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
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	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
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	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
Perfluoroundecanoic acid (PFUdA)	-	ng/l	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

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 3
Summary of Groundwater Sampling Results
2024 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	IW-11 11/29/2022	IW-11 3/21/2023	IW-11 6/26/2023	IW-11 9/27/2023	IW-11 4/12/2024	IW-14 7/26/2019	IW-14 12/12/2019	IW-14 11/29/2022	IW-14 3/21/2023	IW-14 6/26/2023	IW-14 9/27/2023	IW-14 4/12/2024	IW-17 7/25/2019	IW-17 12/12/2019	IW-17 11/29/2022
Detected Volatile Organics																	
1,1,2-Trichloroethane	1	µg/L	0.18 U	1 U	1 U	1 U	1 U	ND	ND	0.18 U	1 U	1 U	1 U	1 U	ND	ND	0.18 U
1,1-Dichloroethane	5	µg/L	0.14 U	1 U	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 UJ	1 U	1 U	ND	ND	0.81 J
1,1-Dichloroethene	5	µg/L	0.14 U	1 U	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 U	1 U	1 U	ND	ND	0.14 U
1,2,4-Trimethylbenzene	5	µg/L	0.2 U	1 U	NA	NA	0.17 J	NA	NA	0.2 U	1 U	NA	NA	1 U	NA	NA	0.2 U
1,2-Dichloroethane	0.6	µg/L	0.31 UJ	1 U	1 U	1 U	1 U	ND	ND	0.31 UJ	1 U	1 U	1 U	1 U	ND	ND	0.86 J
1,4-Dioxane	-	µg/L	21 U	50 U	50 U	50 U	NA	NA	NA	21 U	50 U	50 UJ	50 U	NA	NA	NA	21 UJ
2-Butanone (MEK)	50	µg/L	3.5 J	20 U	1.8 J	20 U	20 UJ	760	750	13 J	20 U	20 U	20 U	20 UJ	740	200	12 J
Acetone	50	µg/L	4.8 J	50 U	4.0 J	4.6 J	7.4 J	ND	ND	5.3 J	50 U	5.7 J	4.9 J	8.0 J	ND	ND	9.6 J
Benzene	1	µg/L	0.2 U	1 U	1 U	1 U	1 U	ND	ND	1.2	1.2	1.1	0.98 J	0.83 J	ND	ND	1.7
Bromodichloromethane	50	µg/L	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.18 U
Carbon Disulfide	60	µg/L	1.4 U	5 U	5 U	5 U	5 U	ND	ND	1.4 U	5 U	1.8 J	5 U	5 U	ND	ND	1.4 U
Chlorodibromomethane	50	µg/L	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.22 U
Chloroethane	5	µg/L	0.32 U	2 U	2 U	2 U	2 U	ND	ND	0.32 U	2 U	2 U	2 U	2 U	ND	ND	0.32 U
Chloroform	7	µg/L	0.17 U	2 U	2 U	2 U	2 U	ND	ND	0.17 U	2 U	2 U	2 U	2 U	ND	ND	0.17 U
Chloromethane	5	µg/L	0.52 U	2 U	2 U	2 U	2 U	ND	ND	0.52 U	2 U	2 U	2 U	2 U	ND	ND	0.52 U
cis-1,2-Dichloroethene	5	µg/L	1.2	0.52 J	0.38 J	0.41 J	0.38 J	5100	4600	1.7	1.2	2.7 J	2.2	1.3	4000	ND	11
Cyclohexane		µg/L	NA	NA	5 U	5 U	5 U	ND	ND	NA	NA	5 U	5 U	5 U	ND	ND	NA
Dichloromethane	5	µg/L	0.23 U	5 U	5 U	5 U	5 U	50	95	0.23 U	5 U	5 U	5 U	5 U	ND	100	0.23 U
Diethyl ether		µg/L	0.18 U	2 U	NA	NA	NA	NA	NA	0.18 U	2 U	NA	NA	NA	NA	NA	0.75 J
Di-isopropyl ether		µg/L	0.13 U	0.5 U	NA	NA	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.5 U	NA	NA	0.26 J
Ethylbenzene	5	µg/L	0.21 U	1 U	1 U	1 U	1 U	ND	ND	0.21 U	1 U	1 U	1 U	1 U	ND	ND	0.21 U
Isopropylbenzene	5	µg/L	0.11 U	1 U	1 U	1 U	1 U	ND	ND	0.11 U	1 U	1 U	1 U	1 U	ND	ND	0.11 U
m&p-Xylenes	5	µg/L	0.46 U	2 U	NA	NA	2 U	NA	NA	0.46 U	2 U	NA	NA	2 U	NA	NA	0.46 U
Methyl Acetate		µg/L	0.45 U	1 U	1.0	1 U	1 UJ	ND	ND	0.45 U	1 U	1 UJ	1 U	1 UJ	ND	ND	2.0 J
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	1.1 U	10 U	10 U	10 U	10 U	ND	ND	1.1 U	10 U	10 U	10 U	10 U	ND	ND	1.1 U
Methylcyclohexane		µg/L	0.24 U	1 U	1 U	1 U	1 U	ND	ND	0.24 U	1 U	0.20 J	1 U	0.21 J	ND	ND	0.24 U
Methyl-tert-butylether	10	µg/L	0.17 U	1 U	1 U	1 U	1 U	ND	ND	0.17 U	1 U	1 U	1 U	1 U	ND	ND	0.56 J
o-Xylene	5	µg/L	0.23 U	1 U	NA	NA	1 U	NA	NA	0.23 U	1 U	NA	NA	1 U	NA	NA	0.23 U
tert-Butylbenzene	5	µg/L	0.13 U	1 U	NA	NA	1 U	NA	NA	0.13 U	1 U	NA	NA	1 U	NA	NA	0.13 U
Tetrachloroethene	5	µg/L	0.19 U	1 U	1 U	1 U	1 U	ND	ND	0.19 U	1 U	1 U	1 U	1 U	ND	ND	0.19 U
Tetrahydrofuran	50	µg/L	2.2 J	10 U	NA	NA	NA	NA	NA	0.49 U	10 U	NA	NA	NA	NA	NA	0.49 U
Toluene	5	µg/L	0.22 U	1 U	0.28 J	0.34 J	0.25 J	ND	ND	0.39 J	1.0	0.83 J	0.98 J	1.2	ND	ND	0.33 J
Total VOCs		µg/L	NA	NA	NA	NA	NA	7010	6545	NA	NA	NA	NA	NA	5050	300	NA
Total Xylenes	5	µg/L	NA	NA	1 U	1 U	1 U	ND	ND	NA	NA	1 U	1 U	1 U	ND	ND	NA
trans-1,2-Dichloroethene	5	µg/L	0.17 UJ	1 U	1 U	1 U	1 U	ND	ND	0.21 J	1 U	0.31 J	1 U	1 U	ND	ND	0.17 U
Trichloroethene	5	µg/L	0.33 J	1 U	1 U	1 U	1 U	ND	ND	0.19 U	1 U	1 U	1 U	1 U	60	ND	0.19 U
Vinyl chloride	2	µg/L	0.61 J	2 U	2 U	2 U	2 UJ	1100	1100	1.5 J	0.31 J	2 U	0.51 J	0.32 J	250	ND	11
Dissolved Gases																	
Ethane		µg/L	2.6 U	NA	NA	NA	NA	ND	38	68	NA	NA	NA	NA	ND	ND	160
Ethene		µg/L	3 U	NA	NA	NA	NA	ND	1800	6.7 J	NA	NA	NA	NA	ND	ND	120
Methane		µg/L	12000	NA	NA	NA	NA	NA	4900	11000	NA	NA	NA	NA	NA	9700	13000
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
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	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
Perfluorobutanoic acid (PFBA)	-	ng/l	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
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	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
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	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
Perfluoroundecanoic acid (PFUdA)	-	ng/l	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

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)
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U - The compound was not detected above the listed quantitation limit.

Table 3
Summary of Groundwater Sampling Results
2024 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	IW-17-dup	IW-17	IW-17	IW-17	IW-17	IW-17	IW-18	IW-19	IW-19	IW-19	IW-19	IW-19	IW-19	IW-24	IW-24
Date Collected:			11/29/2022	3/21/2023	6/26/2023	9/27/2023	4/12/2024	9/13/2023	7/25/2019	12/11/2019	11/29/2022	3/21/2023	6/26/2023	9/27/2023	4/12/2024	7/23/2019	12/11/2019
Detected Volatile Organics																	
1,1,2-Trichloroethane	1	µg/L	0.18 U	1 U	1 U	1 U	1 U	NA	ND	ND	0.18 U	1 U	1 U	1 U	1 U	ND	ND
1,1-Dichloroethane	5	µg/L	0.86 J	1 U	0.27 J	1 U	0.26 J	NA	ND	ND	0.14 U	1 U	1 UJ	1 U	1 U	ND	ND
1,1-Dichloroethene	5	µg/L	0.14 U	1 U	1 U	1 U	1 U	NA	ND	ND	0.14 U	1 U	1 U	1 U	1 U	ND	ND
1,2,4-Trimethylbenzene	5	µg/L	0.2 U	1 U	NA	NA	1 U	NA	NA	NA	0.2 U	1 U	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	µg/L	0.90 J	0.55 J	1 U	1 U	1 U	NA	0.7	ND	0.31 UJ	1 U	1 U	1 U	1 U	ND	ND
1,4-Dioxane	-	µg/L	21 U	50 U	50 UJ	50 U	NA	NA	NA	NA	21 U	50 U	50 UJ	50 U	NA	NA	NA
2-Butanone (MEK)	50	µg/L	12 J	20 U	20 U	20 U	1.5 J	NA	87	89	1.6 U	20 U	20 U	20 U	20 UJ	22	80
Acetone	50	µg/L	9.4 J	50 U	3.6 J	4.7 J	50 UJ	NA	37	130	2.6 J	50 U	9.3 J	50 U	50 UJ	39	110
Benzene	1	µg/L	1.8	1.1	1.1	1.6	1 U	NA	4.6	ND	3.5	3.2	2.1	1.5	2.6	ND	ND
Bromodichloromethane	50	µg/L	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND
Carbon Disulfide	60	µg/L	1.4 U	5 U	2.1 J	5 U	5 UJ	NA	ND	ND	1.4 U	5 U	5 U	5 U	5 UJ	ND	ND
Chlorodibromomethane	50	µg/L	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND
Chloroethane	5	µg/L	0.32 U	2 U	0.64 J	2 U	0.58 J	NA	ND	ND	0.32 U	2 U	2 U	2 U	2 U	ND	ND
Chloroform	7	µg/L	0.17 U	2 U	2 U	2 U	2 U	NA	ND	ND	0.17 U	2 U	2 U	2 U	2 U	ND	ND
Chloromethane	5	µg/L	0.52 U	2 U	2 U	2 U	2 U	NA	ND	ND	0.52 U	2 U	2 U	2 U	2 U	ND	ND
cis-1,2-Dichloroethene	5	µg/L	11	0.71 J	2.8 J	0.77 J	2.4	NA	1.2	ND	27	1 U	0.37 J	0.27 J	1 U	ND	ND
Cyclohexane		µg/L	NA	NA	5 U	5 U	5 U	NA	3.7	3.8	NA	NA	4.5 J	5 U	5 U	ND	ND
Dichloromethane	5	µg/L	0.23 U	5 U	5 U	5 U	5 U	NA	ND	ND	0.23 U	5 U	5 U	5 U	5 U	ND	ND
Diethyl ether		µg/L	0.81 J	2 U	NA	NA	NA	NA	NA	NA	0.18 U	2 U	NA	NA	NA	NA	NA
Di-isopropyl ether		µg/L	0.28 J	0.5 U	NA	NA	NA	NA	NA	NA	0.13 U	0.5 U	NA	NA	NA	NA	NA
Ethylbenzene	5	µg/L	0.21 U	1 U	1 U	1 U	1 U	NA	ND	ND	0.21 U	1 U	1 U	1 U	1 U	ND	ND
Isopropylbenzene	5	µg/L	0.11 U	1 U	1 U	1 U	1 U	NA	ND	ND	0.11 U	1 U	1 U	1 U	1 U	ND	ND
m&p-Xylenes	5	µg/L	0.46 U	2 U	NA	NA	2 U	NA	NA	NA	0.46 U	2 U	NA	NA	2 U	NA	NA
Methyl Acetate		µg/L	1.8	1 U	1 UJ	1 U	1 UJ	NA	ND	ND	0.45 U	1 U	1 UJ	1 U	1 UJ	ND	ND
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	1.1 U	10 U	10 U	10 U	10 U	NA	ND	ND	1.1 U	10 U	10 U	10 U	10 U	ND	ND
Methylcyclohexane		µg/L	0.24 U	1 U	1 U	1 U	1 U	NA	0.4	9.8	0.24 U	0.44 J	0.43 J	0.44 J	0.62	ND	ND
Methyl-tert-butylether	10	µg/L	0.57 J	1 U	1 U	1 U	NA	NA	1.8	ND	0.98 J	1 U	1 U	1 U	NA	0.2	ND
o-Xylene	5	µg/L	0.23 U	1 U	NA	NA	1 U	NA	NA	NA	0.23 U	1 U	NA	NA	1 U	NA	NA
tert-Butylbenzene	5	µg/L	0.13 U	1 U	NA	NA	1 U	NA	NA	NA	0.13 U	1 U	NA	NA	1 U	NA	NA
Tetrachloroethene	5	µg/L	0.19 U	1 U	1 U	1 U	1 U	NA	ND	ND	0.19 U	1 U	1 U	1 U	1 U	ND	ND
Tetrahydrofuran	50	µg/L	0.49 U	10 U	NA	NA	NA	NA	NA	NA	0.49 U	10 U	NA	NA	NA	NA	NA
Toluene	5	µg/L	0.30 J	0.31 J	0.45 J	0.31 J	1 U	NA	ND	ND	0.98 J	0.99 J	0.71 J	0.64 J	1 U	ND	ND
Total VOCs		µg/L	NA	NA	NA	NA	NA	NA	138	233	NA	NA	NA	NA	NA	NA	190
Total Xylenes	5	µg/L	NA	NA	1 U	1 U	1 U	NA	ND	ND	NA	NA	1 U	1 U	1 U	ND	ND
trans-1,2-Dichloroethene	5	µg/L	0.17 U	1 U	1 U	1 U	1 U	NA	ND	ND	0.17 UJ	1 U	1 U	1 U	1 U	ND	ND
Trichloroethene	5	µg/L	0.19 U	1 U	1 U	1 U	1 U	NA	ND	ND	1.3	1 U	1 U	1 U	1 U	ND	ND
Vinyl chloride	2	µg/L	11	2 U	8.5	2 UJ	1.3 J	NA	1.9	ND	16	2 U	2 U	2 UJ	2 U	ND	ND
Dissolved Gases																	
Ethane		µg/L	170	NA	NA	NA	NA	NA	ND	ND	19	NA	NA	NA	NA	ND	ND
Ethene		µg/L	130	NA	NA	NA	NA	NA	ND	ND	3 U	NA	NA	NA	NA	ND	ND
Methane		µg/L	12000	NA	NA	NA	NA	NA	NA	15000	8200	NA	NA	NA	NA	NA	10000
Detected PFAs and PFOs																	
NYSDEC Maximum Contaminant Levels (MCL)																	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	-	ng/l	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	NA	NA	NA	NA	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	NA	NA	NA	NA	18 J+	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	NA	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	NA	NA	NA	NA	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	NA	NA	NA	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	NA	1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	NA	NA	NA	NA	1.7 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	NA	NA	NA	NA	17	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	NA	NA	NA	NA	2.1 U	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

Notes:
µg/L - micrograms per liter.
ng/L - nanograms per liter.
Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or
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J - Indicates an estimated value.
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Table 3
Summary of Groundwater Sampling Results
2024 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	IW-24 11/29/2022	IW-24 3/21/2023	IW-24 6/26/2023	IW-24 9/27/2023	IW-24 4/12/2024	IW-25 7/23/2019	IW-25 12/11/2019	IW-25 11/29/2022	IW-25-dup 11/29/2022	IW-25 3/21/2023	IW-25 6/26/2023	IW-25 9/13/2023	IW-25 4/12/2024	IW-29 7/25/2019	IW-29 12/11/2019
Detected Volatile Organics																	
1,1,2-Trichloroethane	1	µg/L	0.18 U	1 U	1 U	1 U	1 U	ND	ND	3.7 U	1.8 U	1 U	1 U	10 U	1 U	ND	ND
1,1-Dichloroethane	5	µg/L	0.14 U	1 U	1 UJ	1 U	1 U	ND	ND	2.8 U	1.4 U	1 U	1 UJ	10 U	1 U	ND	ND
1,1-Dichloroethene	5	µg/L	0.14 U	1 U	1 U	1 U	1 U	ND	ND	2.8 U	2.0 J	0.25 J	1 U	10 U	1 U	ND	ND
1,2,4-Trimethylbenzene	5	µg/L	0.2 U	1 U	NA	NA	1 U	NA	NA	4 U	2 U	1 U	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	µg/L	0.31 UJ	1 U	1 U	1 U	1 U	ND	ND	6.2 UJ	3.1 U	1 U	1 U	10 U	1 U	ND	ND
1,4-Dioxane	-	µg/L	21 U	50 U	50 UJ	50 U	NA	NA	NA	410 U	210 U	50 U	50 UJ	500 U	NA	NA	NA
2-Butanone (MEK)	50	µg/L	6.9 J	20 U	20 U	20 U	20 UJ	12	1.5	32 U	16 U	20 U	20 U	200 U	20 UJ	ND	ND
Acetone	50	µg/L	28 J	50 U	4.2 J	5.2 J	50 UJ	39	4	41 U	20 U	50 U	6.5 J	500 U	50 UJ	42	ND
Benzene	1	µg/L	0.2 U	1 U	1 U	1 U	1 U	3.1	2.9	4 U	2.4 J	2.6	1.4	10 U	1 U	ND	ND
Bromodichloromethane	50	µg/L	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	3.6 U	1.8 U	0.5 U	0.5 U	5 U	0.5 U	ND	ND
Carbon Disulfide	60	µg/L	1.4 U	5 U	5 U	5 U	5 UJ	ND	ND	29 U	14 U	5 U	5 U	50 U	5 UJ	ND	ND
Chlorodibromomethane	50	µg/L	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	4.4 U	2.2 U	0.5 U	0.5 U	5 U	0.5 U	ND	ND
Chloroethane	5	µg/L	0.32 U	2 U	2 U	2 U	2 U	ND	ND	6.4 U	3.2 U	2 U	2 U	20 U	2 U	ND	ND
Chloroform	7	µg/L	0.17 U	2 U	2 U	2 U	2 U	ND	ND	3.4 U	1.7 U	2 U	0.18 J	20 U	2 U	ND	ND
Chloromethane	5	µg/L	0.52 U	2 U	2 U	2 U	2 U	ND	ND	10 U	5.2 U	2 U	2 U	20 UJ	2 U	ND	ND
cis-1,2-Dichloroethene	5	µg/L	1.4	1 U	1 UJ	1 U	1 U	5.2	1	1400	1300	120	1.2 J	950	6.1	ND	ND
Cyclohexane		µg/L	NA	NA	5 U	5 U	5 U	15	7	NA	NA	NA	6.1	50 U	5 U	ND	ND
Dichloromethane	5	µg/L	0.23 U	5 U	5 U	5 U	5 U	ND	ND	4.7 U	2.3 U	5 U	5 U	50 U	5 U	4.6	ND
Diethyl ether		µg/L	0.18 U	2 U	NA	NA	NA	NA	NA	3.6 U	1.8 U	2 U	NA	NA	NA	NA	NA
Di-isopropyl ether		µg/L	0.13 U	0.5 U	NA	NA	NA	NA	NA	2.6 U	1.3 U	0.5 U	NA	NA	NA	NA	NA
Ethylbenzene	5	µg/L	0.21 U	1 U	1 U	1 U	1 U	ND	ND	4.3 U	2.1 U	1 U	1 U	10 U	1 U	ND	ND
Isopropylbenzene	5	µg/L	0.11 U	1 U	1 U	1 U	1 U	ND	ND	2.2 U	1.1 U	0.24 J	1 U	10 U	1 U	ND	ND
m&p-Xylenes	5	µg/L	0.46 U	2 U	NA	NA	2 U	NA	NA	9.2 U	4.6 U	2 U	NA	NA	2 U	NA	NA
Methyl Acetate		µg/L	0.91 J	1 U	1 UJ	1 U	1 UJ	ND	ND	9.1 U	4.5 U	1 U	1 UJ	10 U	1 UJ	ND	ND
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	1.1 U	10 U	10 U	10 U	10 U	ND	ND	22 U	11 U	10 U	10 U	100 U	10 U	ND	ND
Methylcyclohexane		µg/L	0.24 U	1 U	1 U	1 U	1 U	1.4	0.6	4.9 U	2.4 U	0.59 J	0.30 J	10 U	1 U	ND	ND
Methyl-tert-butylether	10	µg/L	0.58 J	1 U	1 U	1 U	NA	ND	ND	3.4 U	1.7 U	1 U	1 U	10 U	NA	ND	ND
o-Xylene	5	µg/L	0.23 U	1 U	NA	NA	1 U	NA	NA	4.6 U	2.3 U	1 U	NA	NA	1 U	NA	NA
tert-Butylbenzene	5	µg/L	0.13 U	1 U	NA	NA	1 U	NA	NA	2.6 U	1.3 U	0.36 J	NA	NA	1 U	NA	NA
Tetrachloroethene	5	µg/L	0.19 U	1 U	1 U	1 U	1 U	ND	ND	3.7 U	1.9 U	1 U	1 U	10 U	1 U	ND	ND
Tetrahydrofuran	50	µg/L	1.3 J	10 U	NA	NA	NA	NA	NA	9.8 U	4.9 U	10 U	NA	NA	NA	NA	NA
Toluene	5	µg/L	0.22 U	0.25 J	0.70 J	0.37 J	1 U	ND	ND	4.5 U	2.2 U	0.77 J	0.50 J	10 U	1 U	ND	ND
Total VOCs		µg/L	NA	NA	NA	NA	NA	84	18	NA	NA	NA	NA	NA	NA	47	NA
Total Xylenes	5	µg/L	NA	NA	1 U	1 U	1 U	ND	ND	NA	NA	NA	1 U	10 U	1 U	ND	ND
trans-1,2-Dichloroethene	5	µg/L	0.17 UJ	1 U	1 U	1 U	1 U	3.6	0.9	13 J	12	1.5	0.28 J	8.0 J	1 U	ND	ND
Trichloroethene	5	µg/L	0.19 U	1 U	1 U	1 U	1 U	ND	ND	31	30	1.8	1 U	8.2 J	1 U	ND	ND
Vinyl chloride	2	µg/L	0.22 J	2 UJ	2 U	2 UJ	2 U	5	ND	450	420	60 J	2 U	170	2 U	ND	ND
Dissolved Gases																	
Ethane		µg/L	2.6 U	NA	NA	NA	NA	ND	55	4.9 J	90 J	NA	NA	NA	NA	ND	2.8
Ethene		µg/L	3 U	NA	NA	NA	NA	ND	ND	64	72	NA	NA	NA	NA	ND	ND
Methane		µg/L	7200	NA	NA	NA	NA	NA	15000	4600	4400	NA	NA	NA	NA	NA	21000
Detected PFAs and PFOs																	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.89 U	NA	NA	NA
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.89 U	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3	NA	NA	NA
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16 J+	NA	NA	NA
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.34 J	NA	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 J	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	NA	NA	NA
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.89 U	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.83 J	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33	NA	NA	NA
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.89 U	NA	NA	NA
Total Perfluoroalkylated substances (PFASs)	-	ng/l	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.
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 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	IW-29 11/29/2022	IW-29 3/21/2023	IW-29 6/26/2023	IW-29 9/27/2023	IW-29 4/12/2024	IW-29-dup 4/12/2024	IW-31 7/25/2019	IW-31 12/10/2019	IW-31 12/2/2022	IW-31 3/21/2023	IW-31 6/26/2023	IW-31 6/26/2023	IW-31 9/13/2023	IW-31 4/12/2024	MW-1R 7/26/2019
Detected Volatile Organics																	
1,1,2-Trichloroethane	1	µg/L	0.18 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.18 U	1 U	1 U	1 U	1 U	1 U	ND
1,1-Dichloroethane	5	µg/L	0.14 U	1 U	1 UJ	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 UJ	1 U	1 U	1 U	ND
1,1-Dichloroethene	5	µg/L	0.14 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 U	1 U	1 U	1 U	ND
1,2,4-Trimethylbenzene	5	µg/L	0.2 U	1 U	NA	NA	1 U	1 U	NA	NA	0.2 U	1 U	NA	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	µg/L	0.31 UJ	1 U	1 U	1 U	1 U	1 U	ND	ND	0.31 U	1 U	1 U	1 U	1 U	1 U	ND
1,4-Dioxane	-	µg/L	21 U	50 U	50 UJ	50 UJ	NA	NA	NA	NA	21 U	50 U	50 UJ	50 U	50 U	NA	ND
2-Butanone (MEK)	50	µg/L	1.6 U	20 U	20 U	20 U	20 UJ	1.7 J	ND	ND	1.6 U	20 U	20 U	20 U	20 U	20 UJ	9.2
Acetone	50	µg/L	2.3 J	50 U	4.0 J	50 U	50 UJ	50 UJ	ND	ND	4.5 J	50 U	4.2 J	4.2 J	3.0 J	50 UJ	120
Benzene	1	µg/L	0.2 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.2 U	1 U	1 U	1 U	1 U	1 U	ND
Bromodichloromethane	50	µg/L	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND
Carbon Disulfide	60	µg/L	1.4 U	5 U	5 U	5 U	5 UJ	5 UJ	ND	ND	1.4 U	5 U	5 U	5 U	5 U	5 UJ	ND
Chlorodibromomethane	50	µg/L	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND
Chloroethane	5	µg/L	0.32 U	0.97 J	0.51 J	2 U	2 U	2 U	ND	ND	0.32 U	2 U	2 U	2 U	2 U	2 U	0.88
Chloroform	7	µg/L	0.17 U	2 U	2 U	2 U	2 U	2 U	ND	ND	0.17 U	2 U	2 U	2 U	2 U	2 U	ND
Chloromethane	5	µg/L	0.52 U	2 U	2 U	2 U	2 U	2 U	ND	ND	0.52 U	2 U	2 U	2 U	2 UJ	2 U	ND
cis-1,2-Dichloroethene	5	µg/L	1.1	0.61 J	0.58 J	0.68 J	0.53 J	0.53 J	ND	ND	2.2	0.97 J	0.92 J	0.54 J	1.4	1 U	47
Cyclohexane		µg/L	NA	NA	5 U	5 U	5 U	5 U	ND	ND	NA	NA	5 U	5 U	5 U	5 U	ND
Dichloromethane	5	µg/L	0.23 U	5 U	5 U	5 U	5 U	5 U	5.3	ND	0.23 U	5 U	5 U	5 U	5 U	5 U	ND
Diethyl ether		µg/L	0.18 U	2 U	NA	NA	NA	NA	NA	NA	0.18 U	2 U	NA	NA	NA	NA	NA
Di-isopropyl ether		µg/L	0.13 U	0.5 U	NA	NA	NA	NA	NA	NA	0.13 U	0.5 U	NA	NA	NA	NA	NA
Ethylbenzene	5	µg/L	0.21 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.21 U	1 U	1 U	1 U	1 U	1 U	ND
Isopropylbenzene	5	µg/L	0.11 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.11 U	1 U	1 U	1 U	1 U	1 U	ND
m&p-Xylenes	5	µg/L	0.46 U	2 U	NA	NA	2 U	2 U	NA	NA	0.46 U	2 U	NA	NA	NA	2 U	NA
Methyl Acetate		µg/L	0.45 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	ND	ND	0.45 UJ	1 U	1 UJ	1 U	1 U	1 UJ	ND
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	1.1 U	10 U	10 U	10 U	10 U	10 U	ND	ND	1.1 U	10 U	10 U	10 U	10 U	10 U	3
Methylcyclohexane		µg/L	0.24 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.24 U	1 U	1 U	1 U	1 U	1 U	ND
Methyl-tert-butylether	10	µg/L	0.17 U	1 U	1 U	1 U	NA	NA	ND	ND	0.17 U	1 U	1 U	1 U	1 U	NA	ND
o-Xylene	5	µg/L	0.23 U	1 U	NA	NA	1 U	1 U	NA	NA	0.23 U	1 U	NA	NA	NA	1 U	NA
tert-Butylbenzene	5	µg/L	0.13 U	1 U	NA	NA	1 U	1 U	NA	NA	0.13 U	1 U	NA	NA	NA	1 U	NA
Tetrachloroethene	5	µg/L	0.19 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.48 J	1 U	1 U	1 U	1 U	1 U	0.4
Tetrahydrofuran	50	µg/L	0.49 U	10 U	NA	NA	NA	NA	NA	NA	0.49 U	10 U	NA	NA	NA	NA	NA
Toluene	5	µg/L	0.27 J	1 U	1 U	1 U	1 U	1 U	ND	1.5	0.22 U	1 U	1 U	1 U	1 U	1 U	ND
Total VOCs		µg/L	NA	NA	NA	NA	NA	NA	5.3	1.5	NA	NA	NA	NA	NA	NA	216
Total Xylenes	5	µg/L	NA	NA	1 U	1 U	1 U	1 U	ND	ND	NA	NA	1 U	1 U	1 U	1 U	ND
trans-1,2-Dichloroethene	5	µg/L	0.17 UJ	1 U	1 U	1 U	1 U	1 U	ND	ND	0.17 U	1 U	1 U	1 U	1 U	1 U	ND
Trichloroethene	5	µg/L	0.19 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.43 J	1 U	0.20 J	1 U	0.19 J	1 U	0.7
Vinyl chloride	2	µg/L	0.36 J	2 UJ	2 U	2 UJ	2 U	0.30 J	ND	ND	4.4 J	1.2 J	2 U	2 U	0.68 J	2 U	35
Dissolved Gases																	
Ethane		µg/L	2.6 U	NA	NA	NA	NA	NA	ND	ND	2.6 U	NA	NA	NA	NA	NA	NA
Ethene		µg/L	3 U	NA	NA	NA	NA	NA	ND	ND	3 U	NA	NA	NA	NA	NA	NA
Methane		µg/L	7700	NA	NA	NA	NA	NA	NA	11000	11000	NA	NA	NA	NA	NA	NA
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	2.1 U	NA	NA
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA	NA
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5	NA	0 ND
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.3 U	NA	0 ND
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA	0 ND
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA	0 ND
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 J	NA	8.6
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2	NA	7.8
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.8	NA	11
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 J	NA	4.3
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA	0 ND
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53	NA	77
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	NA	39
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.64 J	NA	NA
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.6	NA	0 ND
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA	0 ND
Total Perfluoroalkylated substances (PFASs)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.7

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NYSDEC Maximum Contaminant Level (PFOS and PFOA)
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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 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-1R 12/10/2019	MW-1R 12/1/2022	MW-1R 3/21/2023	MW-1R 6/7/2023	MW-1R 9/27/2023	MW-1R 4/12/2024	MW-1R-dup 6/7/2023	MW-2 7/23/2019	MW-2 12/10/2019	MW-2 12/1/2022	MW-2 3/21/2023	MW-2 6/7/2023	MW-2 9/13/2023	MW-2 4/12/2024	MW-2-dup 9/13/2023
Detected Volatile Organics																	
1,1,2-Trichloroethane	1	µg/L	ND	0.37 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.18 U	1 U	1 U	1 U	1 U	NA
1,1-Dichloroethane	5	µg/L	ND	0.84 J	0.40 J	1.3	1.0	0.46 J	1.2	ND	ND	0.14 U	1 U	1 U	1 U	1 U	NA
1,1-Dichloroethene	5	µg/L	1.6	0.66 J	0.33 J	1 UJ	1 U	1 U	1 UJ	ND	ND	0.14 U	1 U	1 UJ	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	µg/L	NA	0.4 U	1 U	NA	NA	1 U	NA	NA	NA	0.2 U	1 U	NA	NA	1 U	NA
1,2-Dichloroethane	0.6	µg/L	ND	0.62 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.31 U	1 U	1 U	1 U	1 U	NA
1,4-Dioxane	-	µg/L	NA	41 U	50 U	50 U	50 U	NA	50 U	NA	NA	21 U	50 U	50 U	50 U	NA	NA
2-Butanone (MEK)	50	µg/L	ND	3.2 U	20 U	20 U	20 U	1.7 J	20 U	ND	ND	1.6 U	20 U	20 U	20 U	1.5 J	NA
Acetone	50	µg/L	34	4.1 U	50 U	50 U	50 U	7.6 J	50 U	3.6	ND	2 U	50 U	50 U	2.5 J	7.7 J	NA
Benzene	1	µg/L	ND	0.4 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.2 U	1 U	1 U	1 U	1 U	NA
Bromodichloromethane	50	µg/L	ND	0.36 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.70	0.30 J	0.5 U	0.5 U	0.5 U	NA
Carbon Disulfide	60	µg/L	ND	2.9 U	5 U	5 U	5 U	5 U	5 U	ND	ND	1.4 U	5 U	5 U	5 U	5 U	NA
Chlorodibromomethane	50	µg/L	ND	0.44 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.33 J	0.5 U	0.5 U	0.5 U	0.5 U	NA
Chloroethane	5	µg/L	ND	0.64 U	2 U	2 U	2 U	2 U	0.35 J	ND	ND	0.32 U	2 U	2 U	2 U	2 U	NA
Chloroform	7	µg/L	ND	0.34 U	2 U	2 U	2 U	2 U	2 U	0.7	ND	0.17 U	0.59 J	0.53 J	0.30 J	2 U	NA
Chloromethane	5	µg/L	ND	1 U	2 U	2 U	2 U	2 U	2 U	ND	ND	0.52 U	2 U	2 U	2 UJ	2 U	NA
cis-1,2-Dichloroethene	5	µg/L	260	150	160	34	21 J	50	31	6.2	2.4	0.63 J	0.66 J	1.1	0.97 J	1.0	NA
Cyclohexane		µg/L	ND	NA	NA	5 U	5 U	5 U	5 U	ND	ND	NA	NA	5 U	5 U	5 U	NA
Dichloromethane	5	µg/L	ND	0.47 U	5 U	5 U	5 U	5 U	5 U	ND	ND	0.23 U	5 U	5 U	5 U	5 U	NA
Diethyl ether		µg/L	NA	0.36 U	2 U	NA	NA	NA	NA	NA	NA	0.18 U	2 U	NA	NA	NA	NA
Di-isopropyl ether		µg/L	NA	0.26 U	0.5 U	NA	NA	0.5 U	NA	NA	NA	0.13 U	0.5 U	NA	NA	0.5 U	NA
Ethylbenzene	5	µg/L	ND	0.43 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.21 U	1 U	1 U	1 U	1 U	NA
Isopropylbenzene	5	µg/L	ND	0.22 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.11 U	1 U	1 U	1 U	1 U	NA
m&p-Xylenes	5	µg/L	NA	0.92 U	2 U	NA	NA	2 U	NA	NA	NA	0.46 U	2 U	NA	NA	2 U	NA
Methyl Acetate		µg/L	ND	0.91 U	1 U	1 U	1 U	1 UJ	1 U	ND	ND	0.45 U	1 U	1 U	1 U	1 UJ	NA
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	ND	2.2 U	10 U	10 U	10 U	10 U	10 U	ND	ND	1.1 U	10 U	10 U	10 U	10 U	NA
Methylcyclohexane		µg/L	ND	0.49 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.24 U	1 U	1 U	1 U	1 U	NA
Methyl-tert-butylether	10	µg/L	ND	0.34 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.17 U	1 U	1 U	1 U	1 U	NA
o-Xylene	5	µg/L	NA	0.46 U	1 U	NA	NA	1 U	NA	NA	NA	0.23 U	1 U	NA	NA	1 U	NA
tert-Butylbenzene	5	µg/L	NA	0.26 U	1 U	NA	NA	1 U	NA	NA	NA	0.13 U	1 U	NA	NA	1 U	NA
Tetrachloroethene	5	µg/L	90	200	0.96 J	12	0.79 J	0.95 J	13	37	30	15	11	12	16	13	NA
Tetrahydrofuran	50	µg/L	NA	0.98 U	10 U	NA	NA	NA	NA	NA	NA	0.49 U	10 U	NA	NA	NA	NA
Toluene	5	µg/L	ND	0.45 U	1 U	1 U	1 U	0.21 J	1 U	ND	ND	0.22 U	1 U	1 U	1 U	1 U	NA
Total VOCs		µg/L	521	NA	NA	NA	NA	NA	NA	55	37	NA	NA	NA	NA	NA	NA
Total Xylenes	5	µg/L	ND	NA	NA	1 U	1 U	1 U	1 U	ND	ND	NA	NA	1 U	1 U	1 U	NA
trans-1,2-Dichloroethene	5	µg/L	2.2	1.4 J	1.7	0.63 J	1 U	0.63 J	0.59 J	ND	ND	0.17 U	1 U	1 U	1 U	1 U	NA
Trichloroethene	5	µg/L	44	71	4.8	8.6	4.1	4.8	8.3	7.2	4.1	1.8	0.90 J	1.1	1.6	1.1	NA
Vinyl chloride	2	µg/L	89	32	68 J	13	11 J	15	13	ND	ND	0.21 U	2 UJ	2 U	2 U	2 U	NA
Dissolved Gases																	
Ethane		µg/L	NA	140	NA	NA	NA	NA	NA	NA	ND	2.6 U	NA	NA	NA	NA	NA
Ethene		µg/L	NA	26	NA	NA	NA	NA	NA	NA	ND	3 U	NA	NA	NA	NA	NA
Methane		µg/L	14000	2400	NA	NA	NA	NA	NA	NA	ND	8.4 U	NA	NA	NA	NA	NA
Detected PFAs and PFOs	NYSDEC Maximum Contaminant Levels (MCL)																
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	-	ng/l	NA	4.46	NA	7.5	NA	NA	7.7	NA	NA	NA	NA	0.99 U	0.89 U	NA	0.88 U
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	1.44 U	NA	0.89	NA	NA	1.1	NA	NA	NA	NA	0.99 U	0.89 U	NA	0.88 U
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	3.67	NA	4.9	NA	NA	4.3	NA	NA	NA	NA	3.5	4.1 J	NA	5.8 J
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	7.92	NA	10 J+	NA	NA	10 J+	NA	NA	NA	NA	17	18 J+	NA	18 J+
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	10.1	NA	8.6	NA	NA	8.7	NA	NA	NA	NA	0.99 U	0.57 J	NA	0.56 J
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	4.1	NA	3.2	NA	NA	4.1	NA	NA	NA	NA	0.42 J	0.55 J	NA	0.54 J
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	10.2	NA	13	NA	NA	14	NA	NA	NA	NA	9.3	10	NA	9.5
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	8.42	NA	9.8	NA	NA	10	NA	NA	NA	NA	5.2 J+	6.0	NA	5.8
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	14.3	NA	18	NA	NA	19	NA	NA	NA	NA	24	22	NA	23
Perfluorononanoic acid (PFNA)	-	ng/l	NA	9.43	NA	8.7	NA	NA	8.5	NA	NA	NA	NA	1.6 J+	2.4	NA	2.2
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	7.92 J	NA	5.3 J	NA	NA	0.98 UJ	NA	NA	NA	NA	0.99 U	0.89 U	NA	0.88 U
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	415	NA	520 D	NA	NA	610 D	NA	NA	NA	NA	32 J+	35	NA	36
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	49.9	NA	65	NA	NA	67	NA	NA	NA	NA	19 J+	22	NA	23
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	2.66	NA	2.1	NA	NA	2.7	NA	NA	NA	NA	1.2	1.6	NA	1.8
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	19.1	NA	25	NA	NA	26	NA	NA	NA	NA	44	38	NA	38
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	1.44 U	NA	0.26 J	NA	NA	0.98 U	NA	NA	NA	NA	0.99 U	0.89 U	NA	0.88 U
Total Perfluoroalkylated substances (PFASs)	-	ng/l	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.
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 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-5 7/23/2019	MW-5 12/10/2019	MW-5 11/30/2022	MW-5 3/21/2023	MW-5 6/7/2023	MW-5 9/13/2023	MW-5 4/12/2024	MW-5-dup 3/21/2023	MW-7 7/26/2019	MW-7 12/11/2019	MW-7 12/1/2022	MW-7 3/21/2023	MW-7 6/7/2023	MW-7 9/27/2023	MW-7 4/12/2024
Detected Volatile Organics																	
1,1,2-Trichloroethane	1	µg/L	ND	ND	0.18 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.18 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	µg/L	ND	ND	0.14 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	µg/L	ND	ND	0.14 U	1 U	1 UJ	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 UJ	0.18 J	1 U
1,2,4-Trimethylbenzene	5	µg/L	NA	NA	0.2 U	1 U	NA	NA	1 U	1 U	NA	NA	0.2 U	1 U	NA	NA	1 U
1,2-Dichloroethane	0.6	µg/L	ND	ND	0.31 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.31 U	1 U	1 U	1 U	1 U
1,4-Dioxane	-	µg/L	NA	NA	21 U	50 U	50 U	50 U	NA	50 U	0.31	NA	21 U	50 U	50 U	50 U	NA
2-Butanone (MEK)	50	µg/L	ND	ND	1.6 U	20 U	20 U	20 U	20 UJ	20 U	36	ND	1.6 U	20 U	20 U	20 U	20 UJ
Acetone	50	µg/L	ND	ND	2 U	50 U	50 U	2.7 J	8.0 J	50 U	130	ND	2 U	50 U	50 U	4.1 J	7.2 J
Benzene	1	µg/L	ND	ND	0.2 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.24 J	0.19 J	0.25 J	0.45 J	1 U
Bromodichloromethane	50	µg/L	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	60	µg/L	ND	ND	1.4 U	5 U	5 U	5 U	5 U	5 U	ND	ND	1.4 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	50	µg/L	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	µg/L	ND	ND	0.32 U	2 U	2 U	2 U	2 U	2 U	ND	ND	0.32 U	2 U	0.94 J	2 U	2 U
Chloroform	7	µg/L	ND	ND	0.17 U	2 U	2 U	2 U	2 U	2 U	ND	ND	0.17 U	2 U	2 U	2 U	2 U
Chloromethane	5	µg/L	ND	ND	0.52 U	2 UJ	2 U	2 UJ	2 U	2 U	ND	ND	0.52 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	µg/L	ND	ND	0.58 J	1 U	1 U	1 U	1 U	1 U	5.3	130	5.9	17	19 J	62	4.2
Cyclohexane		µg/L	ND	ND	NA	NA	5 U	5 U	5 U	NA	ND	0.3	NA	NA	5 U	5 U	5 U
Dichloromethane	5	µg/L	ND	ND	0.23 U	5 U	5 U	5 U	5 U	5 U	ND	ND	0.23 U	5 U	5 U	5 U	5 U
Diethyl ether		µg/L	NA	NA	0.18 U	2 U	NA	NA	NA	2 U	NA	NA	0.18 U	2 U	NA	NA	NA
Di-isopropyl ether		µg/L	NA	NA	0.13 U	0.5 U	NA	NA	0.5 U	0.5 UJ	NA	NA	0.13 U	0.5 U	NA	NA	0.5 U
Ethylbenzene	5	µg/L	ND	ND	0.21 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.21 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	µg/L	ND	ND	0.11 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.11 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	µg/L	NA	NA	0.46 U	2 U	NA	NA	2 U	2 U	NA	NA	0.46 U	2 U	NA	NA	2 U
Methyl Acetate		µg/L	ND	ND	0.45 U	1 U	1 U	1 U	1 UJ	1 U	ND	ND	0.45 U	1 U	1 U	1 U	1 UJ
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	ND	ND	1.1 U	10 U	10 U	10 U	10 U	10 U	ND	ND	1.1 U	10 U	10 U	10 U	10 U
Methylcyclohexane		µg/L	ND	ND	0.24 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.24 U	1 U	1 U	1 U	1 U
Methyl-tert-butylether	10	µg/L	ND	ND	0.17 U	1 U	1 U	1 U	1 U	1 U	ND	ND	0.17 U	1 U	1 U	1 U	1 U
o-Xylene	5	µg/L	NA	NA	0.23 U	1 U	NA	NA	1 U	1 U	NA	NA	0.23 U	1 U	NA	NA	1 U
tert-Butylbenzene	5	µg/L	NA	NA	0.13 U	1 U	NA	NA	1 U	1 U	NA	NA	0.13 U	1 U	NA	NA	1 U
Tetrachloroethene	5	µg/L	ND	ND	0.82 J	1 U	1 U	1 U	1 U	0.67 J	ND	ND	0.19 U	1 U	1 U	1 U	1 U
Tetrahydrofuran	50	µg/L	NA	NA	0.49 U	10 U	NA	NA	NA	10 U	NA	NA	0.49 U	10 U	NA	NA	NA
Toluene	5	µg/L	ND	ND	0.22 U	1 U	1 U	1 U	0.12 J	1 U	0.7	0.9	0.22 U	1 U	1 U	1 U	0.17 J
Total VOCs		µg/L	NA	NA	NA	NA	NA	NA	NA	NA	176	302	NA	NA	NA	NA	NA
Total Xylenes	5	µg/L	ND	ND	NA	NA	1 U	1 U	1 U	NA	ND	ND	NA	NA	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	µg/L	ND	ND	0.17 U	1 U	1 U	1 U	1 U	1 U	ND	1.3	0.17 U	1 U	1 U	0.45 J	1 U
Trichloroethene	5	µg/L	ND	ND	0.54 J	1 U	1 U	1 U	1 U	1 U	ND	ND	0.19 U	0.18 J	0.35 J	0.24 J	1 U
Vinyl chloride	2	µg/L	ND	ND	0.21 U	2 UJ	2 U	2 U	2 U	2 U	3.9	170	16	100 J	53	210	15
Dissolved Gases																	
Ethane		µg/L	NA	ND	2.6 U	NA	NA	NA	NA	NA	NA	67	91	NA	NA	NA	NA
Ethene		µg/L	NA	ND	2 U	NA	NA	NA	NA	NA	NA	ND	11 J	NA	NA	NA	NA
Methane		µg/L	NA	15	1.2 U	NA	NA	NA	NA	NA	NA	20000	8000	NA	NA	NA	NA
Detected PFAs and PFOs	NYSDEC Maximum Contaminant Levels (MCL)																
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	-	ng/l	NA	NA	NA	NA	0.92 U	0.9 U	NA	NA	NA	NA	1.56 U	NA	0.92 U	NA	NA
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	NA	NA	NA	0.92 U	0.9 U	NA	NA	NA	NA	1.56 U	NA	0.92 U	NA	NA
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	NA	NA	NA	1.9 J+	2.9	NA	NA	2.1	NA	2.03	NA	1.4 J+	NA	NA
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	NA	NA	NA	9.8 J+	11 J+	NA	NA	6.5	NA	6.95	NA	8.5 J+	NA	NA
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	NA	NA	NA	0.92 U	0.9 U	NA	NA	0 ND	NA	1.56 U	NA	0.92 U	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	0.92 U	0.9 U	NA	NA	0 ND	NA	1.56 U	NA	0.92 U	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	2.0 J+	3.0	NA	NA	2.9	NA	2.18	NA	2.2 J+	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	NA	NA	NA	1.2 J+	1.1	NA	NA	1.4	NA	1.8	NA	1.8 J+	NA	NA
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	NA	NA	NA	5.3 J+	6.3	NA	NA	5.6	NA	7.34	NA	7.0 J+	NA	NA
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	0.92 U	0.54 J	NA	NA	0.59	NA	1.09 J	NA	1.0 J+	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	0.92 U	0.29 J	NA	NA	0.4	NA	1.56 U	NA	0.92 U	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	0.92 U	1.7	NA	NA	5.6	NA	42.1	NA	31 J+	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	3.8 J+	6.7	NA	NA	8.7	NA	9.99	NA	8.7 J+	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	NA	NA	NA	0.42 J	0.70 J	NA	NA	NA	NA	1.56 U	NA	0.92 U	NA	NA
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	NA	NA	NA	10 J+	11	NA	NA	7.4	NA	9.83	NA	11 J+	NA	NA
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	NA	NA	NA	0.92 U	0.9 U	NA	NA	0 ND	NA	1.56 U	NA	0.92 U	NA	NA
Total Perfluoroalkylated substances (PFASs)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	41.2	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.
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 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-10	MW-10	MW-10
Date Collected:			7/23/2019	12/11/2019	12/2/2022	3/21/2023	9/13/2023	7/23/2019	12/11/2019	11/30/2022	3/21/2023	6/26/2023	9/27/2023	4/12/2024	7/25/2019	12/11/2019	12/14/2022
Detected Volatile Organics																	
1,1,2-Trichloroethane	1	µg/L	ND	ND	0.18 U	1 U	NA	ND	ND	1.8 U	2 U	1 U	0.32 J	1 U	ND	ND	0.18 U
1,1-Dichloroethane	5	µg/L	ND	ND	0.14 U	1 U	NA	ND	ND	1.4 U	2 U	1 UJ	1 U	1 U	ND	ND	0.14 U
1,1-Dichloroethene	5	µg/L	ND	ND	0.14 U	1 U	NA	ND	ND	1.4 U	1.0 J	0.52 J	0.66 J	1 U	ND	ND	0.14 U
1,2,4-Trimethylbenzene	5	µg/L	NA	NA	0.2 U	1 U	NA	NA	NA	2 U	2 U	NA	NA	1 U	NA	NA	0.2 U
1,2-Dichloroethane	0.6	µg/L	ND	ND	0.31 U	1 U	NA	ND	ND	3.1 UJ	2 U	1 U	1 U	1 U	ND	ND	0.31 U
1,4-Dioxane	-	µg/L	NA	NA	21 U	50 U	NA	NA	NA	210 U	100 U	50 UJ	50 U	NA	NA	NA	21 U
2-Butanone (MEK)	50	µg/L	ND	ND	1.6 U	20 U	NA	ND	ND	16 U	40 U	20 U	20 U	1.5 J	ND	ND	1.6 U
Acetone	50	µg/L	ND	ND	3.1 J	50 U	NA	ND	ND	20 U	100 U	50 U	50 U	9.1 J	ND	47	2 U
Benzene	1	µg/L	ND	ND	0.2 U	1 U	NA	ND	ND	2 U	2 U	1 U	1 U	1 U	ND	ND	0.2 U
Bromodichloromethane	50	µg/L	ND	ND	0.18 U	0.5 U	NA	ND	ND	1.8 U	1 U	0.5 U	0.5 U	0.5 U	ND	ND	0.18 U
Carbon Disulfide	60	µg/L	ND	ND	1.4 U	5 U	NA	ND	ND	14 U	10 U	5 U	5 U	5 U	ND	ND	1.4 U
Chlorodibromomethane	50	µg/L	ND	ND	0.22 U	0.5 U	NA	ND	ND	2.2 U	1 U	0.5 U	0.5 U	0.5 U	ND	ND	0.22 U
Chloroethane	5	µg/L	ND	ND	0.32 U	2 U	NA	ND	ND	3.2 U	4 U	2 U	2 U	2 U	ND	ND	0.32 U
Chloroform	7	µg/L	ND	ND	0.17 U	2 U	NA	ND	ND	1.7 U	4 U	2 U	2 U	2 U	ND	ND	0.17 U
Chloromethane	5	µg/L	ND	ND	0.52 U	2 U	NA	ND	ND	5.2 U	4 U	2 U	2 U	2 U	ND	ND	0.52 U
cis-1,2-Dichloroethene	5	µg/L	ND	ND	0.15 U	1 U	NA	200	47	840	250	130 J	180	18	ND	ND	0.15 U
Cyclohexane		µg/L	ND	ND	NA	NA	NA	2.3	2.3	NA	NA	2.1 J	5 U	5 U	0.7	ND	NA
Dichloromethane	5	µg/L	ND	ND	0.23 U	5 U	NA	ND	ND	2.3 U	10 U	5 U	5 U	5 U	ND	ND	0.23 U
Diethyl ether		µg/L	NA	NA	0.18 U	2 U	NA	NA	NA	1.8 U	4 U	NA	NA	NA	NA	NA	0.18 U
Di-isopropyl ether		µg/L	NA	NA	0.13 U	0.5 U	NA	NA	NA	1.3 U	1 U	NA	NA	0.5 U	NA	NA	0.13 U
Ethylbenzene	5	µg/L	ND	ND	0.21 U	1 U	NA	ND	ND	2.1 U	2 U	1 U	1 U	1 U	ND	ND	0.21 U
Isopropylbenzene	5	µg/L	ND	ND	0.11 U	1 U	NA	ND	ND	1.1 U	2 U	1 U	1 U	1 U	ND	ND	0.11 U
m&p-Xylenes	5	µg/L	NA	NA	0.46 U	2 U	NA	NA	NA	4.6 U	4 U	NA	NA	2 U	NA	NA	0.46 U
Methyl Acetate		µg/L	ND	ND	0.45 UJ	1 U	NA	ND	ND	4.5 U	2 U	1 UJ	1 U	1 UJ	ND	ND	0.45 UJ
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	ND	ND	1.1 U	10 U	NA	ND	ND	11 U	20 U	10 U	10 U	10 U	ND	ND	1.1 U
Methylcyclohexane		µg/L	ND	ND	0.24 U	1 U	NA	0.9	0.7	2.4 U	2 U	1 U	1 U	1 U	0.2	ND	0.24 U
Methyl-tert-butylether	10	µg/L	ND	ND	0.17 U	1 U	NA	ND	ND	1.7 U	2 U	1 U	1 U	1 U	1.4	ND	1.0
o-Xylene	5	µg/L	NA	NA	0.23 U	1 U	NA	NA	NA	2.3 U	2 U	NA	NA	1 U	NA	NA	0.23 U
tert-Butylbenzene	5	µg/L	NA	NA	0.13 U	1 U	NA	NA	NA	1.3 U	2 U	NA	NA	1 U	NA	NA	0.13 U
Tetrachloroethene	5	µg/L	ND	ND	0.19 U	1 U	NA	1.7	1.7	460	74	55	14	1 U	ND	ND	0.19 U
Tetrahydrofuran	50	µg/L	NA	NA	0.49 U	10 U	NA	NA	NA	4.9 U	20 U	NA	NA	NA	NA	NA	0.49 U
Toluene	5	µg/L	ND	ND	0.22 U	1 U	NA	ND	ND	2.2 U	2 U	1 U	1 U	1 U	ND	ND	0.22 U
Total VOCs		µg/L	NA	NA	NA	NA	NA	288	84	NA	NA	NA	NA	NA	4.5	47	NA
Total Xylenes	5	µg/L	ND	ND	NA	NA	NA	ND	ND	NA	NA	1 U	1 U	1 U	ND	ND	NA
trans-1,2-Dichloroethene	5	µg/L	ND	ND	0.17 U	1 U	NA	3.6	1.6	9.1 J	3.2	2.8 J	2.3	0.38 J	ND	ND	0.17 U
Trichloroethene	5	µg/L	ND	ND	0.19 U	1 U	NA	26	1.6	370	140	130	100	1.7	ND	ND	0.19 U
Vinyl chloride	2	µg/L	ND	ND	0.21 UJ	2 UJ	NA	54	29	110	51 J	34	39	18	2.2	ND	0.21 U
Dissolved Gases																	
Ethane		µg/L	NA	ND	2.6 U	NA	NA	NA	24	36	NA	NA	NA	NA	NA	27	35
Ethene		µg/L	NA	ND	3 U	NA	NA	NA	15	5.6 J	NA	NA	NA	NA	NA	ND	3 U
Methane		µg/L	NA	ND	19	NA	NA	NA	6400	2100	NA	NA	NA	NA	NA	1700	5000
Detected PFAs and PFOs																	
NYSDEC Maximum Contaminant Levels (MCL)																	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	-	ng/l	NA	NA	NA	NA	0.91 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	NA	NA	NA	0.91 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	NA	NA	NA	5.9 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	NA	NA	NA	4.9 J+	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	NA	NA	NA	0.91 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	0.91 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	0.45 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	NA	NA	NA	9.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	NA	NA	NA	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	0.91 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	0.91 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	0.83 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	NA	NA	NA	0.40 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	NA	NA	NA	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	NA	NA	NA	0.91 U	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

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 3
Summary of Groundwater Sampling Results
2024 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-10 3/21/2023	MW-10 3/28/2024	MW-10BR 7/25/2019	MW-10BR 12/11/2019	MW-10BR 11/30/2022	MW-10BR 3/21/2023	MW-11 7/25/2019	MW-11 12/12/2019	MW-11 11/29/2022	MW-11 3/21/2023	MW-11 3/28/2024	MW-12 7/26/2019	MW-12 12/12/2019	MW-12 12/1/2022
Detected Volatile Organics																
1,1,2-Trichloroethane	1	µg/L	1 U	NA	ND	ND	0.18 U	1 U	ND	ND	0.18 U	1 U	NA	ND	ND	0.18 U
1,1-Dichloroethane	5	µg/L	1 U	NA	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	NA	ND	ND	0.14 U
1,1-Dichloroethene	5	µg/L	1 U	NA	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	NA	ND	ND	0.14 U
1,2,4-Trimethylbenzene	5	µg/L	1 U	NA	NA	NA	0.2 U	1 U	NA	NA	0.2 U	1 U	NA	NA	NA	0.2 U
1,2-Dichloroethane	0.6	µg/L	1 U	NA	ND	ND	0.31 UJ	1 U	ND	ND	0.31 UJ	1 U	NA	ND	ND	0.31 U
1,4-Dioxane	-	µg/L	50 U	NA	NA	NA	21 U	50 U	NA	NA	21 U	50 U	NA	ND	NA	21 U
2-Butanone (MEK)	50	µg/L	20 U	NA	ND	ND	1.6 U	20 U	ND	ND	1.6 U	20 U	NA	ND	32	1.6 U
Acetone	50	µg/L	50 U	NA	3.9	3.7	2 U	50 U	ND	ND	2.3 J	50 U	NA	ND	100	2 U
Benzene	1	µg/L	1 U	NA	ND	ND	0.2 U	1 U	ND	ND	0.2 U	1 U	NA	ND	ND	0.21 J
Bromodichloromethane	50	µg/L	0.5 U	NA	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	NA	ND	ND	0.18 U
Carbon Disulfide	60	µg/L	5 U	NA	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	NA	ND	ND	1.4 U
Chlorodibromomethane	50	µg/L	0.5 U	NA	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	NA	ND	ND	0.22 U
Chloroethane	5	µg/L	2 U	NA	ND	ND	0.32 U	2 U	ND	ND	0.32 U	2 U	NA	ND	ND	53
Chloroform	7	µg/L	2 U	NA	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	NA	ND	ND	0.17 U
Chloromethane	5	µg/L	2 U	NA	ND	ND	0.52 U	2 U	ND	ND	0.52 U	2 U	NA	ND	ND	0.52 U
cis-1,2-Dichloroethene	5	µg/L	1 U	NA	ND	ND	0.15 U	1 U	ND	0.9	0.42 J	1.4	NA	ND	ND	0.84 J
Cyclohexane		µg/L	NA	NA	ND	0.7	NA	NA	ND	ND	NA	NA	NA	ND	ND	NA
Dichloromethane	5	µg/L	5 U	NA	ND	ND	0.23 U	5 U	ND	ND	0.23 U	5 U	NA	10	17	0.23 U
Diethyl ether		µg/L	2 U	NA	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	NA	0.18 U
Di-isopropyl ether		µg/L	0.5 U	NA	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	NA	0.13 U
Ethylbenzene	5	µg/L	1 U	NA	ND	ND	0.21 U	1 U	ND	ND	0.21 U	1 U	NA	ND	ND	0.21 U
Isopropylbenzene	5	µg/L	1 U	NA	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	NA	ND	ND	0.11 U
m&p-Xylenes	5	µg/L	2 U	NA	NA	NA	0.46 U	2 U	NA	NA	0.46 U	2 U	NA	NA	NA	0.46 U
Methyl Acetate		µg/L	1 U	NA	ND	ND	0.45 U	1 U	ND	ND	0.45 U	1 U	NA	ND	ND	0.45 U
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	10 U	NA	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 U	NA	ND	ND	1.1 U
Methylcyclohexane		µg/L	1 U	NA	ND	ND	0.24 U	1 U	ND	ND	0.24 U	1 U	NA	ND	ND	0.24 U
Methyl-tert-butylether	10	µg/L	1 U	NA	1.1	1.4	1.3	1 U	2.6	2.7	0.45 J	1 U	NA	ND	ND	0.17 U
o-Xylene	5	µg/L	1 U	NA	NA	NA	0.23 U	1 U	NA	NA	0.23 U	1 U	NA	NA	NA	0.23 U
tert-Butylbenzene	5	µg/L	1 U	NA	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	NA	0.13 U
Tetrachloroethene	5	µg/L	1 U	NA	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	NA	ND	ND	0.19 U
Tetrahydrofuran	50	µg/L	10 U	NA	NA	NA	0.49 U	10 U	NA	NA	0.49 U	10 U	NA	NA	NA	0.49 U
Toluene	5	µg/L	1 U	NA	ND	ND	0.22 U	1 U	ND	ND	0.22 U	1 U	NA	ND	ND	0.50 J
Total VOCs		µg/L	NA	NA	5	5.8	NA	NA	3.5	4.6	NA	NA	NA	10	149	NA
Total Xylenes	5	µg/L	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	NA	ND	ND	NA
trans-1,2-Dichloroethene	5	µg/L	1 U	NA	ND	ND	0.17 UJ	1 U	ND	ND	0.17 UJ	1 U	NA	ND	ND	0.17 U
Trichloroethene	5	µg/L	1 U	NA	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	NA	ND	ND	0.69 J
Vinyl chloride	2	µg/L	2 U	NA	ND	ND	0.21 U	2 U	0.9	1	0.21 U	0.82 J	NA	ND	ND	0.21 U
Dissolved Gases																
Ethane		µg/L	NA	NA	NA	260	24	NA	NA	ND	72	NA	NA	NA	ND	44
Ethene		µg/L	NA	NA	NA	ND	3 U	NA	NA	30	3.4 J	NA	NA	NA	ND	5.2 J
Methane		µg/L	NA	NA	NA	22000	1800	NA	NA	4500	4600	NA	NA	NA	20000	12000
Detected PFAs and PFOs																
NYSDEC Maximum Contaminant Levels (MCL)																
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	-	ng/l	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	0.99 U	NA	NA	1.45 U
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	0.99 U	NA	NA	1.45 U
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	0.75 J	0 ND	NA	1.45 U
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	6.4	NA	NA	NA	NA	NA	NA	NA	NA	12	7.9	NA	2.98 J
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	0.99 U	0 ND	NA	1.45 U
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	0.99 U	0.23	NA	1.45 U
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	0.78 J	3.3	NA	0.508 J
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	0.39 J	NA	NA	NA	NA	NA	NA	NA	NA	0.99 U	0.96	NA	1.45 U
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	0.68 J	NA	NA	NA	NA	NA	NA	NA	NA	5.0	4.6	NA	2.4
Perfluorononanoic acid (PFNA)	-	ng/l	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	0.99 U	1.4	NA	2.47
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	0.99 U	0 ND	NA	1.45 U
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	0.99 U	2.1	NA	1.45 U
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	0.69 J	NA	NA	NA	NA	NA	NA	NA	NA	0.83 J	8.1	NA	0.798 J
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	0.99 U	NA	NA	1.45 U
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	11	3.9	NA	1.81 J
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA	0.99 U	0 ND	NA	1.45 U
Total Perfluoroalkylated substances (PFASs)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.5	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.
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 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-12 3/21/2023	MW-12 6/26/2023	MW-12 9/27/2023	MW-12 4/12/2024	MW-12-dup 12/1/2022	MW-13 7/23/2019	MW-13 12/11/2019	MW-13 11/30/2022	MW-13 3/21/2023	MW-13 6/26/2023	MW-13 9/27/2023	MW-13 4/12/2024	MW-14 7/23/2019	MW-14 12/11/2019	MW-14 11/30/2022
Detected Volatile Organics																	
1,1,2-Trichloroethane	1	µg/L	1 U	1 U	1 U	1 U	NA	ND	ND	1.8 U	10 U	5 U	4 U	10 U	ND	ND	0.18 U
1,1-Dichloroethane	5	µg/L	1 U	1 U	1 U	1 U	NA	ND	ND	1.4 U	10 U	5 UJ	4 U	10 U	ND	ND	0.14 U
1,1-Dichloroethene	5	µg/L	1 U	1 U	1 U	1 U	NA	ND	ND	1.8 J	2.2 J	0.95 J	1.0 JD	10 U	ND	ND	0.14 U
1,2,4-Trimethylbenzene	5	µg/L	1 U	NA	NA	1 U	NA	NA	NA	2 U	10 U	NA	NA	10 U	NA	NA	0.2 U
1,2-Dichloroethane	0.6	µg/L	1 U	1 U	1 U	1 U	NA	ND	ND	3.1 UJ	10 U	5 U	4 U	10 U	ND	ND	0.31 U
1,4-Dioxane	-	µg/L	50 U	50 U	50 U	NA	NA	NA	NA	210 U	500 U	250 UJ	200 U	NA	NA	NA	21 U
2-Butanone (MEK)	50	µg/L	20 U	20 U	20 U	20 UJ	NA	ND	ND	16 U	200 U	100 U	80 U	200 UJ	390	240	1.6 U
Acetone	50	µg/L	50 U	3.9 J	4.3 J	6.2 J	NA	ND	ND	20 U	500 U	250 U	200 U	24 J	ND	350	20 J
Benzene	1	µg/L	1 U	1 U	1 U	1 U	NA	ND	ND	2 U	10 U	5 U	4 U	10 U	ND	ND	1.3
Bromodichloromethane	50	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	NA	ND	ND	1.8 U	5 U	2.5 U	2 U	5 U	ND	ND	0.18 U
Carbon Disulfide	60	µg/L	5 U	5 U	5 U	5 U	NA	ND	ND	14 U	50 U	25 U	20 U	50 U	ND	ND	1.4 U
Chlorodibromomethane	50	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	NA	ND	ND	2.2 U	5 U	2.5 U	2 U	5 U	ND	ND	0.22 U
Chloroethane	5	µg/L	36	24	11	33	NA	ND	ND	3.2 U	20 U	10 U	8 U	20 U	ND	ND	0.32 U
Chloroform	7	µg/L	2 U	2 U	2 U	2 U	NA	ND	ND	1.7 U	20 U	10 U	8 U	20 U	ND	ND	0.17 U
Chloromethane	5	µg/L	2 U	2 U	2 U	2 U	NA	ND	ND	5.2 U	20 U	10 U	8 U	20 U	ND	ND	0.52 U
cis-1,2-Dichloroethene	5	µg/L	1 U	0.84 J	1.2	0.37 J	NA	2800	15	810	600	570 J	370 D	320 D	ND	ND	1.7
Cyclohexane		µg/L	NA	5 U	5 U	5 U	NA	ND	ND	NA	NA	25 U	20 U	50 U	ND	ND	NA
Dichloromethane	5	µg/L	5 U	5 U	5 U	5 U	NA	ND	ND	2.3 U	50 U	25 U	20 U	50 U	ND	ND	0.23 U
Diethyl ether		µg/L	2 U	NA	NA	NA	NA	NA	NA	1.8 U	20 U	NA	NA	NA	NA	NA	0.18 U
Di-isopropyl ether		µg/L	0.5 U	NA	NA	0.5 U	NA	NA	NA	1.3 U	5 U	NA	NA	5 U	NA	NA	0.13 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	NA	ND	ND	2.1 U	10 U	5 U	4 U	10 U	ND	ND	0.21 U
Isopropylbenzene	5	µg/L	1 U	1 U	1 U	1 U	NA	ND	ND	1.1 U	10 U	5 U	4 U	10 U	ND	ND	0.11 U
m&p-Xylenes	5	µg/L	2 U	NA	NA	2 U	NA	NA	NA	4.6 U	20 U	NA	NA	20 U	NA	NA	0.46 U
Methyl Acetate		µg/L	1 U	1 U	1 U	1 UJ	NA	ND	ND	4.5 U	10 U	5 UJ	4 U	10 UJ	ND	ND	0.45 U
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	10 U	10 U	10 U	10 U	NA	ND	ND	11 U	100 U	50 U	40 U	100 U	ND	ND	1.1 U
Methylcyclohexane		µg/L	1 U	1 U	1 U	1 U	NA	ND	ND	3.2 J	10 U	5 U	4 U	10 U	ND	ND	0.24 U
Methyl-tert-butylether	10	µg/L	1 U	1 U	1 U	1 U	NA	ND	ND	1.7 U	10 U	5 U	4 U	10 U	ND	ND	0.25 J
o-Xylene	5	µg/L	1 U	NA	NA	1 U	NA	NA	NA	2.3 U	10 U	NA	NA	10 U	NA	NA	0.23 U
tert-Butylbenzene	5	µg/L	1 U	NA	NA	1 U	NA	NA	NA	1.3 U	10 U	NA	NA	10 U	NA	NA	0.13 U
Tetrachloroethene	5	µg/L	1 U	1 U	1 U	1 U	NA	1400	2.4	1000	800	560 D	550 D	780 D	ND	ND	1.7
Tetrahydrofuran	50	µg/L	10 U	NA	NA	NA	NA	NA	NA	4.9 U	100 U	NA	NA	NA	NA	NA	1.5 J
Toluene	5	µg/L	1 U	0.24 J	0.32 J	0.12 J	NA	ND	ND	2.2 U	10 U	5 U	4 U	10 U	ND	ND	0.40 J
Total VOCs		µg/L	NA	NA	NA	NA	NA	5330	21	NA	NA	NA	NA	NA	390	590	NA
Total Xylenes	5	µg/L	NA	1 U	1 U	1 U	NA	ND	ND	NA	NA	5 U	4 U	10 U	ND	ND	NA
trans-1,2-Dichloroethene	5	µg/L	1 U	1 U	1 U	1 U	NA	ND	ND	11 J	7.8 J	7.6 D	5.6 D	4.5 J	ND	ND	0.17 U
Trichloroethene	5	µg/L	0.61 J	0.88 J	0.93 J	0.41 J	NA	960	3.7	490	310	300 D	280 D	340 D	ND	ND	1.1
Vinyl chloride	2	µg/L	2 U	2 U	2 U	2 U	NA	170	ND	76	77 J	49 D	43 D	24 D	ND	ND	0.37 J
Dissolved Gases																	
Ethane		µg/L	NA	NA	NA	NA	NA	NA	ND	27	NA	NA	NA	NA	NA	ND	14
Ethene		µg/L	NA	NA	NA	NA	NA	NA	ND	5.4 J	NA	NA	NA	NA	NA	ND	3 U
Methane		µg/L	NA	NA	NA	NA	NA	NA	ND	1400	NA	NA	NA	NA	NA	13000	6100
Detected PFAs and PFOs																	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	-	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	NA	NA	NA	3.37 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	NA	NA	NA	1.32 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	0.806 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	NA	NA	NA	1.46 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	NA	NA	NA	1.9 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	NA	NA	NA	1.46 U	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

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 3
Summary of Groundwater Sampling Results
2024 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-14 3/21/2023	MW-14 6/26/2023	MW-14 9/27/2023	MW-14 3/28/2024	MW-14BR 7/23/2019	MW-14BR 12/11/2019	MW-14BR 11/29/2022	MW-14BR 3/21/2023	MW-14BR 6/26/2023	MW-14BR 9/27/2023	MW-14BR 4/12/2024	MW-14-dup 3/28/2024	MW-15 7/24/2019
Detected Volatile Organics															
1,1,2-Trichloroethane	1	µg/L	1 U	1 U	1 U	1 U	ND	ND	0.18 U	1 U	1 U	1 U	1 U	1 U	ND
1,1-Dichloroethane	5	µg/L	1 U	1 UJ	1 U	1 U	ND	ND	0.14 U	1 U	1 UJ	1 U	1 U	1 U	ND
1,1-Dichloroethene	5	µg/L	1 U	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 U	1 U	1 U	1 U	ND
1,2,4-Trimethylbenzene	5	µg/L	1 U	NA	NA	1 U	NA	NA	0.2 U	1 U	NA	NA	1 U	1 U	NA
1,2-Dichloroethane	0.6	µg/L	1 U	1 U	1 U	1 U	ND	ND	0.31 UJ	1 U	1 U	1 U	1 U	1 U	ND
1,4-Dioxane	-	µg/L	50 U	50 UJ	50 U	NA	NA	NA	21 U	50 U	50 UJ	50 U	NA	NA	NA
2-Butanone (MEK)	50	µg/L	20 U	20 U	20 U	20 U	160	130	1.6 U	20 U	20 U	20 U	20 UJ	20 U	ND
Acetone	50	µg/L	50 U	4.4 J	5.2 J	3.3 J	180	190	4.5 J	50 U	4.3 J	4.5 J	6.9 J	3.0 J	ND
Benzene	1	µg/L	1 U	3.9	1.7	0.43 J	ND	ND	0.36 J	0.24 J	3.9	0.49 J	0.48 J	0.43 J	ND
Bromodichloromethane	50	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND
Carbon Disulfide	60	µg/L	2.3 J	2.4 J	5 U	5 U	ND	ND	1.4 U	5 U	2.9 J	5 U	5 U	5 U	ND
Chlorodibromomethane	50	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND
Chloroethane	5	µg/L	2 U	2 U	2 U	2 U	ND	ND	0.32 U	2 U	2 U	2 U	2 U	2 U	ND
Chloroform	7	µg/L	2 U	2 U	2 U	2 U	ND	ND	0.17 U	2 U	2 U	2 U	2 U	2 U	ND
Chloromethane	5	µg/L	2 U	2 U	2 U	2 U	ND	ND	0.52 U	2 U	2 U	2 U	2 U	2 U	ND
cis-1,2-Dichloroethene	5	µg/L	0.34 J	0.30 J	0.22 J	0.25 J	120	78	3.1	0.68 J	1.5 J	0.92 J	0.39 J	0.25 J	ND
Cyclohexane		µg/L	NA	5 U	5 U	5 U	ND	ND	NA	NA	5 U	5 U	5 U	5 U	ND
Dichloromethane	5	µg/L	5 U	5 U	5 U	5 U	ND	ND	0.23 U	5 U	5 U	5 U	5 U	5 U	ND
Diethyl ether		µg/L	2 U	NA	NA	NA	NA	NA	0.18 U	2 U	NA	NA	NA	NA	NA
Di-isopropyl ether		µg/L	0.5 U	NA	NA	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.5 U	0.5 U	NA
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	ND	ND	0.21 U	1 U	1 U	1 U	1 U	1 U	ND
Isopropylbenzene	5	µg/L	1 U	1 U	1 U	1 U	ND	ND	0.11 U	1 U	1 U	1 U	1 U	1 U	ND
m&p-Xylenes	5	µg/L	2 U	NA	NA	2 U	NA	NA	0.46 U	2 U	NA	NA	2 U	2 U	NA
Methyl Acetate		µg/L	1 U	1 UJ	1 U	1 UJ	ND	ND	0.45 U	1 U	1 UJ	1 U	1 UJ	1 UJ	ND
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	10 U	10 U	10 U	10 U	64	110	1.1 U	10 U	10 U	10 U	10 U	10 U	ND
Methylcyclohexane		µg/L	1 U	1 U	1 U	1 U	ND	ND	0.24 U	1 U	1 U	1 U	1 U	1 U	ND
Methyl-tert-butylether	10	µg/L	1 U	1 U	1 U	0.18 J	ND	ND	0.17 U	1 U	1 U	1 U	1 U	0.18 J	ND
o-Xylene	5	µg/L	1 U	NA	NA	1 U	NA	NA	0.23 U	1 U	NA	NA	1 U	1 U	NA
tert-Butylbenzene	5	µg/L	1 U	NA	NA	1 U	NA	NA	0.13 U	1 U	NA	NA	1 U	1 U	NA
Tetrachloroethene	5	µg/L	1 U	1 U	1 U	1 U	14	ND	0.19 U	1 U	1 U	1 U	1 U	1 U	ND
Tetrahydrofuran	50	µg/L	10 U	NA	NA	NA	NA	NA	0.49 U	10 U	NA	NA	NA	NA	NA
Toluene	5	µg/L	0.89 J	0.59 J	0.57 J	0.44 J	ND	ND	0.22 U	1 U	1 U	1 U	0.67 J	0.47 J	ND
Total VOCs		µg/L	NA	NA	NA	NA	593	545	NA	NA	NA	NA	NA	NA	ND
Total Xylenes	5	µg/L	NA	1 U	1 U	1 U	ND	ND	NA	NA	1 U	1 U	1 U	1 U	ND
trans-1,2-Dichloroethene	5	µg/L	1 U	1 U	1 U	1 U	ND	ND	0.17 UJ	1 U	1 U	1 U	1 U	1 U	ND
Trichloroethene	5	µg/L	1 U	1 U	1 U	1 U	55	37	0.96 J	0.30 J	0.62 J	0.50 J	1 U	1 U	ND
Vinyl chloride	2	µg/L	2 UJ	2 U	2 U	2 UJ	ND	ND	0.59 J	2 UJ	2 U	2 U	2 U	2 UJ	ND
Dissolved Gases															
Ethane		µg/L	NA	NA	NA	NA	ND	23	28	NA	NA	NA	NA	NA	ND
Ethene		µg/L	NA	NA	NA	NA	ND	ND	6.8 J	NA	NA	NA	NA	NA	ND
Methane		µg/L	NA	NA	NA	NA	ND	7100	8100	NA	NA	NA	NA	NA	ND
Detected PFAs and PFOs	NYSDEC Maximum Contaminant Levels (MCL)														
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	NA	NA	5.3	NA	NA	NA	NA	NA	NA	NA	5.4	NA
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	NA	NA	0.29 J	NA	NA	NA	NA	NA	NA	NA	0.32 J	NA
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	0.63 J	NA	NA	NA	NA	NA	NA	NA	0.47 J	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	0.49 J	NA	NA	NA	NA	NA	NA	NA	0.45 J	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	NA	NA	1.3 J	NA	NA	NA	NA	NA	NA	NA	1.4 J	NA
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA	1.1 U	NA
Total Perfluoroalkylated substances (PFASs)	-	ng/l	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.
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 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-15 12/12/2019	MW-15 11/30/2022	MW-15 3/21/2023	MW-15 6/26/2023	MW-15 9/27/2023	MW-15 4/12/2024	MW-15BR 7/24/2019	MW-15BR 12/12/2019	MW-15BR 11/30/2022	MW-15BR 3/21/2023	MW-15BR 6/26/2023	MW-15BR 9/27/2023	MW-15BR 4/12/2024
Detected Volatile Organics															
1,1,2-Trichloroethane	1	µg/L	ND	0.18 U	1 U	1 U	1 U	1 U	ND	ND	0.18 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	µg/L	ND	0.14 U	1 U	1 UJ	1 U	1 U	ND	ND	0.14 U	1 U	1 UJ	1 U	1 U
1,1-Dichloroethene	5	µg/L	ND	0.14 U	1 U	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	µg/L	NA	0.2 U	1 U	NA	NA	1 U	NA	NA	0.2 U	1 U	NA	NA	1 U
1,2-Dichloroethane	0.6	µg/L	ND	0.31 UJ	1 U	1 U	1 U	1 U	ND	ND	0.31 UJ	1 U	1 U	1 U	1 U
1,4-Dioxane	-	µg/L	NA	21 U	50 U	50 UJ	50 U	NA	NA	NA	21 U	50 U	50 UJ	50 U	NA
2-Butanone (MEK)	50	µg/L	ND	1.6 U	20 U	20 U	20 U	20 UJ	ND	ND	1.6 U	20 U	20 U	20 U	1.5 J
Acetone	50	µg/L	ND	2 U	50 U	3.8 J	4.8 J	6.3 J	ND	ND	2 U	50 U	3.7 J	3.8 J	8.0 J
Benzene	1	µg/L	ND	0.2 U	1 U	1 U	1 U	1 U	0.7	ND	1.4	1 U	0.41 J	0.42 J	1 U
Bromodichloromethane	50	µg/L	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	60	µg/L	ND	1.4 U	5 U	5 U	5 U	5 U	ND	ND	1.4 U	5 U	5 U	5 U	5 U
Chlorodibromomethane	50	µg/L	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	µg/L	ND	0.32 U	2 U	2 U	2 U	2 U	ND	ND	0.32 U	2 U	2 U	2 U	2 U
Chloroform	7	µg/L	ND	0.17 U	2 U	2 U	2 U	2 U	ND	ND	0.17 U	2 U	2 U	2 U	2 U
Chloromethane	5	µg/L	ND	0.52 U	2 U	2 U	2 U	2 U	ND	ND	0.52 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	µg/L	ND	0.15 U	1 U	1 UJ	1 U	1 U	42	17	43	3.1	5.3 J	1.5	1.7
Cyclohexane		µg/L	ND	NA	NA	5 U	5 U	5 U	0.6	0.3	NA	NA	5 U	5 U	5 U
Dichloromethane	5	µg/L	ND	0.23 U	5 U	5 U	5 U	5 U	ND	ND	0.23 U	5 U	5 U	5 U	5 U
Diethyl ether		µg/L	NA	0.18 U	2 U	NA	NA	NA	NA	NA	0.18 U	2 U	NA	NA	NA
Di-isopropyl ether		µg/L	NA	0.13 U	0.5 U	NA	NA	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.5 U
Ethylbenzene	5	µg/L	ND	0.21 U	1 U	1 U	1 U	1 U	ND	ND	0.21 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	µg/L	ND	0.11 U	1 U	1 U	1 U	1 U	ND	ND	0.11 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	µg/L	NA	0.46 U	2 U	NA	NA	2 U	NA	NA	0.46 U	2 U	NA	NA	2 U
Methyl Acetate		µg/L	ND	0.45 U	1 U	1 UJ	1 U	1 UJ	ND	ND	0.45 U	1 U	1 UJ	1 U	1 UJ
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	ND	1.1 U	10 U	10 U	10 U	10 U	ND	ND	1.1 U	10 U	10 U	10 U	10 U
Methylcyclohexane		µg/L	ND	0.24 U	1 U	1 U	1 U	1 U	ND	ND	0.24 U	1 U	1 U	1 U	1 U
Methyl-tert-butylether	10	µg/L	ND	0.17 U	1 U	1 U	1 U	1 U	1.2	0.6	0.45 J	1 U	1 U	1 U	1 U
o-Xylene	5	µg/L	NA	0.23 U	1 U	NA	NA	1 U	NA	NA	0.23 U	1 U	NA	NA	1 U
tert-Butylbenzene	5	µg/L	NA	0.13 U	1 U	NA	NA	1 U	NA	NA	0.13 U	1 U	NA	NA	1 U
Tetrachloroethene	5	µg/L	ND	0.19 U	1 U	1 U	1 U	1 U	ND	ND	0.19 U	1 U	1 U	1 U	0.40 J
Tetrahydrofuran	50	µg/L	NA	0.49 U	10 U	NA	NA	NA	NA	NA	0.49 U	10 U	NA	NA	NA
Toluene	5	µg/L	ND	0.22 U	1 U	1 U	1 U	0.13 J	ND	ND	0.22 U	1 U	1 U	0.39 J	1 U
Total VOCs		µg/L	ND	NA	NA	NA	NA	NA	77	31	NA	NA	NA	NA	NA
Total Xylenes	5	µg/L	ND	NA	NA	1 U	1 U	1 U	ND	ND	NA	NA	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	µg/L	ND	0.17 UJ	1 U	1 U	1 U	1 U	ND	ND	0.17 UJ	1 U	1 U	1 U	1 U
Trichloroethene	5	µg/L	ND	0.19 U	1 U	1 U	1 U	1 U	0.9	0.8	2.0	0.97 J	0.77 J	1 U	0.67 J
Vinyl chloride	2	µg/L	ND	0.21 U	2 U	2 U	2 U	2 U	32	12	16	2 U	2 U	1.6 J	2 U
Dissolved Gases															
Ethane		µg/L	ND	2.6 U	NA	NA	NA	NA	ND	22	78	NA	NA	NA	NA
Ethene		µg/L	ND	3 U	NA	NA	NA	NA	ND	470	39	NA	NA	NA	NA
Methane		µg/L	2.9	30 U	NA	NA	NA	NA	ND	5200	4200	NA	NA	NA	NA
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
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	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
Perfluorobutanoic acid (PFBA)	-	ng/l	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
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	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
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	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
Perfluoroundecanoic acid (PFUdA)	-	ng/l	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

Notes:
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2024 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-16 7/24/2019	MW-16 12/12/2019	MW-16 12/1/2022	MW-16 3/21/2023	MW-16 6/26/2023	MW-16 9/27/2023	MW-16 4/12/2024	MW-16BR 7/24/2019	MW-16BR 12/12/2019	MW-16BR 12/1/2022	MW-16BR 3/21/2023	MW-16BR 6/26/2023	MW-16BR 9/27/2023
Detected Volatile Organics															
1,1,2-Trichloroethane	1	µg/L	ND	ND	0.18 U	1 U	1 U	1 U	1 U	ND	ND	0.18 U	1 U	1 U	1 U
1,1-Dichloroethane	5	µg/L	ND	ND	0.14 U	1 U	1 UJ	1 U	1 U	ND	ND	0.14 U	1 U	1 UJ	0.17 J
1,1-Dichloroethene	5	µg/L	ND	ND	0.14 U	1 U	1 U	1 U	1 U	ND	ND	0.14 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	µg/L	NA	NA	0.2 U	1 U	NA	NA	1 U	NA	NA	0.2 U	1 U	NA	NA
1,2-Dichloroethane	0.6	µg/L	ND	ND	0.31 U	1 U	1 U	1 U	1 U	ND	ND	0.31 U	1 U	1 U	1 U
1,4-Dioxane	-	µg/L	NA	NA	21 U	50 U	50 UJ	50 U	NA	NA	NA	21 U	50 U	50 UJ	50 U
2-Butanone (MEK)	50	µg/L	ND	ND	1.6 U	20 U	20 U	20 U	20 UJ	ND	ND	1.6 U	20 U	20 U	20 U
Acetone	50	µg/L	ND	ND	2 U	50 U	4.0 J	50 U	6.4 J	ND	ND	2.1 J	50 U	3.6 J	50 U
Benzene	1	µg/L	ND	ND	0.2 U	1 U	0.50 J	1 U	1 U	ND	ND	0.2 U	1 U	2.0	1.7
Bromodichloromethane	50	µg/L	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	60	µg/L	ND	ND	1.4 U	5 U	5 U	5 U	5 U	ND	ND	1.4 U	5 U	5 U	5 U
Chlorodibromomethane	50	µg/L	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	µg/L	ND	ND	0.32 U	2 U	2 U	2 U	2 U	ND	ND	0.32 U	2 U	2 U	2 U
Chloroform	7	µg/L	ND	ND	0.17 U	2 U	2 U	2 U	2 U	ND	ND	0.17 U	2 U	2 U	2 U
Chloromethane	5	µg/L	ND	0.5	0.52 U	2 U	2 U	2 U	2 U	ND	0.5	0.52 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	µg/L	ND	ND	0.15 U	1 U	1 UJ	1 U	1 U	ND	ND	0.15 U	1 U	1 UJ	0.91 J
Cyclohexane		µg/L	ND	ND	NA	NA	5 U	5 U	5 U	ND	ND	NA	NA	5 U	5 U
Dichloromethane	5	µg/L	ND	ND	0.23 U	5 U	5 U	5 U	5 U	ND	ND	0.23 U	5 U	5 U	5 U
Diethyl ether		µg/L	NA	NA	0.18 U	2 U	NA	NA	NA	NA	NA	0.18 U	2 U	NA	NA
Di-isopropyl ether		µg/L	NA	NA	0.13 U	0.5 U	NA	NA	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA
Ethylbenzene	5	µg/L	ND	ND	0.21 U	1 U	1 U	1 U	1 U	ND	ND	0.21 U	1 U	1 U	1 U
Isopropylbenzene	5	µg/L	ND	ND	0.11 U	1 U	1 U	1 U	1 U	ND	ND	0.11 U	1 U	1 U	1 U
m&p-Xylenes	5	µg/L	NA	NA	0.46 U	2 U	NA	NA	2 U	NA	NA	0.46 U	2 U	NA	NA
Methyl Acetate		µg/L	ND	ND	0.45 U	1 U	1 UJ	1 U	1 UJ	ND	ND	0.45 U	1 U	1 UJ	1 U
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	ND	ND	1.1 U	10 U	10 U	10 U	10 U	ND	ND	1.1 U	10 U	10 U	10 U
Methylcyclohexane		µg/L	ND	ND	0.24 U	1 U	1 U	1 U	1 U	ND	ND	0.24 U	1 U	1 U	1 U
Methyl-tert-butylether	10	µg/L	ND	ND	0.17 U	1 U	1 U	1 U	1 U	ND	ND	0.17 U	1 U	1 U	1 U
o-Xylene	5	µg/L	NA	NA	0.23 U	1 U	NA	NA	1 U	NA	NA	0.23 U	1 U	NA	NA
tert-Butylbenzene	5	µg/L	NA	NA	0.13 U	1 U	NA	NA	1 U	NA	NA	0.13 U	1 U	NA	NA
Tetrachloroethene	5	µg/L	ND	ND	0.19 U	1 U	1 U	1 U	1 U	ND	ND	0.19 U	1 U	1 U	1 U
Tetrahydrofuran	50	µg/L	NA	NA	0.49 U	10 U	NA	NA	NA	NA	NA	0.49 U	10 U	NA	NA
Toluene	5	µg/L	ND	ND	0.22 U	1 U	1 U	1 U	1 U	ND	ND	0.22 U	1 U	1 U	1 U
Total VOCs		µg/L	ND	0.5	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA
Total Xylenes	5	µg/L	ND	ND	NA	NA	1 U	1 U	1 U	ND	ND	NA	NA	1 U	1 U
trans-1,2-Dichloroethene	5	µg/L	ND	ND	0.17 U	1 U	1 U	1 U	1 U	ND	ND	0.17 U	1 U	1 U	1 U
Trichloroethene	5	µg/L	ND	ND	0.52 J	1 U	1 U	1 U	1 U	ND	ND	0.19 U	1 U	1 U	1 U
Vinyl chloride	2	µg/L	ND	ND	0.21 U	2 U	2 U	2 U	2 U	ND	ND	0.21 U	2 U	2 U	2 U
Dissolved Gases															
Ethane		µg/L	ND	ND	2.6 U	NA	NA	NA	NA	ND	ND	2.6 U	NA	NA	NA
Ethene		µg/L	ND	ND	3 U	NA	NA	NA	NA	ND	ND	3 U	NA	NA	NA
Methane		µg/L	ND	ND	1.2 U	NA	NA	NA	NA	ND	ND	1.2 U	NA	NA	NA
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
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	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
Perfluorobutanoic acid (PFBA)	-	ng/l	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
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	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
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	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
Perfluoroundecanoic acid (PFUdA)	-	ng/l	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

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 3
Summary of Groundwater Sampling Results
2024 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-16BR	MW-17	MW-17	MW-17	MW-17	MW-17-dup	MW-17	MW-17	MW-17-dup	MW-17	MW-17BR	MW-17BR
Date Collected:			4/12/2024	7/24/2019	12/13/2019	12/1/2022	3/21/2023	3/21/2023	6/26/2023	9/27/2023	9/27/2023	4/12/2024	7/24/2019	12/13/2019
Detected Volatile Organics														
1,1,2-Trichloroethane	1	µg/L	1 U	ND	ND	0.18 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	ND
1,1-Dichloroethane	5	µg/L	1 U	ND	ND	0.14 U	1 U	1 U	1 UJ	1 U	1 U	1 U	ND	ND
1,1-Dichloroethene	5	µg/L	1 U	ND	ND	0.14 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	ND
1,2,4-Trimethylbenzene	5	µg/L	0.17 J	NA	NA	0.2 U	1 U	1 U	NA	NA	NA	1 U	NA	NA
1,2-Dichloroethane	0.6	µg/L	1 U	ND	ND	0.31 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	ND
1,4-Dioxane	-	µg/L	NA	NA	NA	21 U	50 UJ	50 U	50 UJ	50 U	50 U	NA	NA	NA
2-Butanone (MEK)	50	µg/L	20 UJ	ND	ND	1.6 U	20 U	20 U	20 U	20 U	20 U	20 UJ	ND	ND
Acetone	50	µg/L	6.2 J	ND	ND	2 U	50 U	50 U	3.8 J	4.8 J	50 U	6.4 J	ND	ND
Benzene	1	µg/L	0.23 J	ND	ND	0.2 U	1 U	1 U	0.44 J	0.37 J	1 U	1 U	ND	ND
Bromodichloromethane	50	µg/L	0.5 U	ND	ND	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND
Carbon Disulfide	60	µg/L	5 U	ND	ND	1.4 U	5 U	5 U	5 U	5 U	5 U	5 U	ND	0.6
Chlorodibromomethane	50	µg/L	0.5 U	ND	ND	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND	ND
Chloroethane	5	µg/L	2 U	ND	ND	0.32 U	2 U	2 U	2 U	2 U	2 U	2 U	ND	ND
Chloroform	7	µg/L	2 U	ND	ND	0.17 U	2 U	2 U	2 U	2 U	2 U	2 U	ND	ND
Chloromethane	5	µg/L	2 U	ND	ND	0.52 U	2 U	2 U	2 U	2 U	2 U	2 U	ND	ND
cis-1,2-Dichloroethene	5	µg/L	1 U	ND	ND	0.15 U	1 U	1 U	1 UJ	1 U	1 U	1 U	ND	ND
Cyclohexane		µg/L	5 U	ND	ND	NA	NA	NA	5 U	5 U	5 U	5 U	ND	ND
Dichloromethane	5	µg/L	5 U	ND	ND	0.23 U	5 U	5 U	5 U	5 U	5 U	5 U	ND	ND
Diethyl ether		µg/L	NA	NA	NA	0.18 U	2 U	2 U	NA	NA	NA	NA	NA	NA
Di-isopropyl ether		µg/L	0.5 U	NA	NA	0.13 U	0.5 U	0.5 UJ	NA	NA	NA	0.5 U	NA	NA
Ethylbenzene	5	µg/L	1 U	ND	ND	0.21 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	ND
Isopropylbenzene	5	µg/L	1 U	ND	ND	0.11 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	ND
m&p-Xylenes	5	µg/L	2 U	NA	NA	0.46 U	2 U	2 U	NA	NA	NA	2 U	NA	NA
Methyl Acetate		µg/L	1 UJ	ND	ND	0.45 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	ND	ND
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	10 U	ND	ND	1.1 U	10 UJ	10 U	10 U	10 U	10 U	10 U	ND	ND
Methylcyclohexane		µg/L	1 U	ND	ND	0.24 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	ND
Methyl-tert-butylether	10	µg/L	1 U	ND	ND	0.17 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	ND
o-Xylene	5	µg/L	1 U	NA	NA	0.23 U	1 U	1 U	NA	NA	NA	1 U	NA	NA
tert-Butylbenzene	5	µg/L	1 U	NA	NA	0.13 U	1 U	1 U	NA	NA	NA	1 U	NA	NA
Tetrachloroethene	5	µg/L	1 U	ND	ND	0.19 U	1 U	0.40 J	1 U	1 U	1 U	1 U	ND	ND
Tetrahydrofuran	50	µg/L	NA	NA	NA	0.49 U	10 U	10 U	NA	NA	NA	NA	NA	NA
Toluene	5	µg/L	0.13 J	ND	ND	0.22 U	1 U	1 U	1 U	1 U	1 U	0.14 J	ND	ND
Total VOCs		µg/L	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND
Total Xylenes	5	µg/L	1 U	ND	ND	NA	NA	NA	1 U	1 U	1 U	1 U	ND	ND
trans-1,2-Dichloroethene	5	µg/L	1 U	ND	ND	0.17 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	ND
Trichloroethene	5	µg/L	1 U	ND	ND	0.19 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	ND
Vinyl chloride	2	µg/L	2 U	ND	ND	0.21 U	2 U	2 U	2 U	2 U	2 UJ	2 U	ND	ND
Dissolved Gases														
Ethane		µg/L	NA	ND	ND	2.6 U	NA	NA	NA	NA	NA	NA	ND	ND
Ethene		µg/L	NA	ND	ND	3 U	NA	NA	NA	NA	NA	NA	ND	ND
Methane		µg/L	NA	ND	ND	1.2 U	NA	NA	NA	NA	NA	NA	ND	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
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	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
Perfluorobutanoic acid (PFBA)	-	ng/l	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
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	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
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	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
Perfluoroundecanoic acid (PFUdA)	-	ng/l	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

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)
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2024 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-17BR 12/1/2022	MW-17BR 3/21/2023	MW-17BR 6/26/2023	MW-17BR 9/27/2023	MW-17BR-dup 9/27/2023	MW-17BR 4/12/2024	QAQC 11/29/2022	QAQC 12/1/2022	QAQC 12/14/2022	QAQC 6/7/2023	QAQC 9/13/2023	QAQC 3/28/2024
Detected Volatile Organics														
1,1,2-Trichloroethane	1	µg/L	0.18 U	1 U	1 U	1 U	1 U	1 U	0.18 U	NA	0.18 U	NA	NA	NA
1,1-Dichloroethane	5	µg/L	0.14 U	1 U	1 UJ	1 U	1 U	1 U	0.14 U	NA	0.14 U	NA	NA	NA
1,1-Dichloroethene	5	µg/L	0.14 U	1 U	1 U	1 U	1 U	1 U	0.14 U	NA	0.14 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	µg/L	0.2 U	1 U	NA	NA	NA	1 U	0.2 U	NA	0.2 U	NA	NA	NA
1,2-Dichloroethane	0.6	µg/L	0.31 U	1 U	1 U	1 U	1 U	1 U	0.31 U	NA	0.31 U	NA	NA	NA
1,4-Dioxane	-	µg/L	21 U	50 U	50 UJ	50 U	50 U	NA	21 U	NA	21 U	NA	NA	NA
2-Butanone (MEK)	50	µg/L	1.6 U	20 U	20 U	20 U	20 U	20 UJ	1.6 U	NA	1.6 U	NA	NA	NA
Acetone	50	µg/L	2 U	50 U	3.9 J	50 U	50 U	6.4 J	2 U	NA	2 U	NA	NA	NA
Benzene	1	µg/L	0.2 U	1 U	1.0	1 U	1 U	1 U	0.2 U	NA	0.2 U	NA	NA	NA
Bromodichloromethane	50	µg/L	0.18 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.18 U	NA	0.18 U	NA	NA	NA
Carbon Disulfide	60	µg/L	1.4 U	5 U	5 U	5 U	5 U	5 U	1.4 U	NA	1.4 U	NA	NA	NA
Chlorodibromomethane	50	µg/L	0.22 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.22 U	NA	0.22 U	NA	NA	NA
Chloroethane	5	µg/L	0.32 U	2 U	2 U	2 U	2 U	2 U	0.32 U	NA	0.32 U	NA	NA	NA
Chloroform	7	µg/L	0.17 U	2 U	2 U	2 U	2 U	2 U	0.92 J	NA	0.91 J	NA	NA	NA
Chloromethane	5	µg/L	0.52 U	2 U	2 U	2 U	2 U	2 U	0.52 U	NA	0.52 U	NA	NA	NA
cis-1,2-Dichloroethene	5	µg/L	0.15 U	1 U	1 UJ	1 U	1 U	1 U	0.15 U	NA	0.15 U	NA	NA	NA
Cyclohexane		µg/L	NA	NA	5 U	5 U	5 U	5 U	NA	NA	NA	NA	NA	NA
Dichloromethane	5	µg/L	0.23 U	5 U	5 U	5 U	5 U	5 U	0.23 U	NA	0.23 U	NA	NA	NA
Diethyl ether		µg/L	0.18 U	2 U	NA	NA	NA	NA	0.18 U	NA	0.18 U	NA	NA	NA
Di-isopropyl ether		µg/L	0.13 U	0.5 U	NA	NA	NA	0.5 U	0.13 U	NA	0.13 U	NA	NA	NA
Ethylbenzene	5	µg/L	0.21 U	1 U	1 U	1 U	1 U	1 U	0.21 U	NA	0.21 U	NA	NA	NA
Isopropylbenzene	5	µg/L	0.11 U	1 U	1 U	1 U	1 U	1 U	0.11 U	NA	0.11 U	NA	NA	NA
m&p-Xylenes	5	µg/L	0.46 U	2 U	NA	NA	NA	2 U	0.46 U	NA	0.46 U	NA	NA	NA
Methyl Acetate		µg/L	0.45 U	1 U	1 UJ	1 U	1 U	1 UJ	0.45 U	NA	0.45 UJ	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	1.1 U	10 U	10 U	10 U	10 U	10 U	1.1 U	NA	1.1 U	NA	NA	NA
Methylcyclohexane	1	µg/L	0.24 U	1 U	1 U	1 U	1 U	1 U	0.24 U	NA	0.24 U	NA	NA	NA
Methyl-tert-butylether	10	µg/L	0.17 U	1 U	1 U	1 U	1 U	1 U	0.17 U	NA	0.17 U	NA	NA	NA
o-Xylene	5	µg/L	0.23 U	1 U	NA	NA	NA	1 U	0.23 U	NA	0.23 U	NA	NA	NA
tert-Butylbenzene	5	µg/L	0.13 U	1 U	NA	NA	NA	1 U	0.13 U	NA	0.13 U	NA	NA	NA
Tetrachloroethene	5	µg/L	0.19 U	1 U	1 U	1 U	1 U	1 U	0.19 U	NA	0.19 U	NA	NA	NA
Tetrahydrofuran	50	µg/L	0.49 U	10 U	NA	NA	NA	NA	0.49 U	NA	0.49 U	NA	NA	NA
Toluene	5	µg/L	0.22 U	1 U	1 U	1 U	1 U	0.15 J	0.22 U	NA	0.22 U	NA	NA	NA
Total VOCs		µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	5	µg/L	NA	NA	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	5	µg/L	0.17 U	1 U	1 U	1 U	1 U	1 U	0.17 U	NA	0.17 U	NA	NA	NA
Trichloroethene	5	µg/L	0.19 U	1 U	1 U	1 U	1 U	1 U	0.19 U	NA	0.19 U	NA	NA	NA
Vinyl chloride	2	µg/L	0.21 U	2 U	2 U	2 UJ	2 UJ	2 U	0.21 U	NA	0.21 U	NA	NA	NA
Dissolved Gases														
Ethane		µg/L	2.6 U	NA	NA	NA	NA	NA	2.6 U	NA	NA	NA	NA	NA
Ethene		µg/L	3 U	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA
Methane		µg/L	1.2 U	NA	NA	NA	NA	NA	13	NA	NA	NA	NA	NA
Detected PFAs and PFOs	NYSDEC Maximum Contaminant Levels (MCL)													
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.37 J	0.95 U	1 U
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.9 U	0.95 U	1 U
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.26 J	0.95 U	1 U
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	6.36 U	NA	1.6 J	1.8 J	4.1 U
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.47 J	0.95 U	1 U
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.9 U	0.95 U	1 U
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.68 J	0.95 U	1 U
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.61 J	0.95 U	1 U
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	1.0	0.95 U	1 U
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.50 J	0.95 U	1 U
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.35 J	0.95 U	1 U
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	31	0.95 U	1 U
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	3.3	0.95 U	1 U
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.9 U	0.95 U	1 U
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	3.18 U	NA	1.5 J	1.9 U	2.1 U
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	NA	NA	NA	NA	NA	NA	1.59 U	NA	0.9 U	0.95 U	1 U
Total Perfluoroalkylated substances (PFASs)	-	ng/l	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.
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 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	QAQC 3/28/2024	QAQC 4/12/2024
Detected Volatile Organics				
1,1,2-Trichloroethane	1	µg/L	1 U	1 U
1,1-Dichloroethane	5	µg/L	1 U	1 U
1,1-Dichloroethene	5	µg/L	1 U	1 U
1,2,4-Trimethylbenzene	5	µg/L	0.24 J	1 U
1,2-Dichloroethane	0.6	µg/L	1 U	1 U
1,4-Dioxane	-	µg/L	NA	NA
2-Butanone (MEK)	50	µg/L	20 U	20 UJ
Acetone	50	µg/L	50 UJ	2.4 J
Benzene	1	µg/L	1 U	1 U
Bromodichloromethane	50	µg/L	0.5 U	0.5 U
Carbon Disulfide	60	µg/L	5 U	5 UJ
Chlorodibromomethane	50	µg/L	0.5 U	0.5 U
Chloroethane	5	µg/L	2 U	2 U
Chloroform	7	µg/L	2 U	2 U
Chloromethane	5	µg/L	2 U	2 U
cis-1,2-Dichloroethene	5	µg/L	1 U	1 U
Cyclohexane		µg/L	5 U	5 U
Dichloromethane	5	µg/L	5 U	5 U
Diethyl ether		µg/L	NA	NA
Di-isopropyl ether		µg/L	0.5 U	NA
Ethylbenzene	5	µg/L	0.28 J	1 U
Isopropylbenzene	5	µg/L	1 U	1 U
m&p-Xylenes	5	µg/L	1.1 J	2 U
Methyl Acetate		µg/L	1 UJ	1 UJ
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	10 U	10 U
Methylcyclohexane		µg/L	1 U	1 U
Methyl-tert-butylether	10	µg/L	1 U	NA
o-Xylene	5	µg/L	0.28 J	1 U
tert-Butylbenzene	5	µg/L	1 U	1 U
Tetrachloroethene	5	µg/L	1 U	1 U
Tetrahydrofuran	50	µg/L	NA	NA
Toluene	5	µg/L	1.8	1 U
Total VOCs		µg/L	NA	NA
Total Xylenes	5	µg/L	1.1	1 U
trans-1,2-Dichloroethene	5	µg/L	1 U	1 U
Trichloroethene	5	µg/L	1 U	1 U
Vinyl chloride	2	µg/L	2 UJ	2 U
Dissolved Gases				
Ethane		µg/L	NA	NA
Ethene		µg/L	NA	NA
Methane		µg/L	NA	NA
Detected PFAs and PFOs	NYSDEC Maximum Contaminant Levels (MCL)			
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	-	ng/l	NA	NA
N-Methylperfluorooctane sulfonamidoacetic acid (MeFOSAA)	-	ng/l	NA	NA
Perfluorobutane sulfonic acid (PFBS)	-	ng/l	NA	NA
Perfluorobutanoic acid (PFBA)	-	ng/l	NA	NA
Perfluorodecanoic acid (PFDA)	-	ng/l	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	-	ng/l	NA	NA
Perfluoroheptanoic acid (PFHpA)	-	ng/l	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	-	ng/l	NA	NA
Perfluorohexanoic acid (PFHxA)	-	ng/l	NA	NA
Perfluorononanoic acid (PFNA)	-	ng/l	NA	NA
Perfluorooctane sulfonamide (PFOSA)	-	ng/l	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/l	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/l	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	-	ng/l	NA	NA
Perfluoropentanoic acid (PFPeA)	-	ng/l	NA	NA
Perfluoroundecanoic acid (PFUdA)	-	ng/l	NA	NA
Total Perfluoroalkylated substances (PFASs)	-	ng/l	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.
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 2024 Q2 Sampling
Brewerton Jack's Cleaners RA

Well ID	VOCs Method 8260	PFAS 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 ^(a)	
MW-10		X
MW-10BR	X ^(a)	
MW-11		
MW-12	X	X
MW-13	X	X
MW-14	X	X
MW-14BR	X ^(a)	
MW-15		
MW-15BR	X ^(a)	
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 ^(a)	
IW-15		
IW-16		
IW-17	X ^(a)	
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 ^(a)	
IW-30		
IW-31	X	X

Notes:
(a) Sampled using passive diffusion bags.

APPENDIX A

Field Sampling Logs



ARCADIS

Groundwater Sampling Form

Page 1 of 3

Project No.

30135043

Well ID

MW-10

Date

03/28/24

Project Name/Location:

BMS/Lotte JOKES Cleaners-Brewerton

Weather

Measuring Pt.
Description

TOL

Screen

Setting (ft-bmp)

7-17

Casing

Diameter (in.)

2"

Well Material

X PVC
SSStatic Water
Level (ft-bmp)

3.13

Total Depth (ft-bmp)

17.83

Water Column/
Gallons in Well

2.35

MP Elevation

Pump Intake (ft-bmp)

~13

Purge Method:

Peri

Sample

Method: Low Flow

Pump On/Off

1230/1553

Volumes Purged

37

Centrifugal

Submersible

Other

Sample Time: Label

1540

Replicate/
Code No.

—

Sampled by

JK

PID:

0.1

Water Quality Meter Type and ID:

YSI

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft)	Liters Purged	pH +/- 0.1	Cond. (µS/cm) (mS/cm) +/- 3%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/L) +/- 10%	Temp. (°C) +/- 10%	Redox (mV) +/- 10%	Appearance	
											Color	Odor
1230	0	200	3.13	—	8.15	2633	517	0.97	7.1	237.5	Clear	None
1235	5		4.40	1	7.20	2632	230	0.85	7.2	213.5		
1240	10		4.58	2	7.14	2619	311	0.61	7.1	191.8		
1245	15		4.84	3	7.14	2610	372	0.66	7.1	176.6		
1250	20		4.94	4	7.14	2576	384	0.51	7.1	159.4		
1255	25		5.05	5	7.12	2568	800	0.50	7.2	130.6		
1300	30		5.30	6	7.10	2553	809	0.57	7.3	125.0		
1305	35		5.30	7	7.15	2539	801	0.97	7.2	108.7		
1310	40		5.20	8	7.13	2540	811	0.65	7.2	97.2		
1315	45		5.15	9	7.11	2554	839	0.48	7.3	89.7		
1320	50		5.23	10	7.12	2580	737	0.44	7.4	75.7		
1325	55		5.18	11	7.13	2546	741	0.42	7.4	68.5		
1330	60		5.16	12	7.13	2616	680	0.38	7.4	61.6		
1335	65		5.11	13	7.12	2616	555	0.36	7.6	60.8		
1340	70	100	5.04	13.5	7.12	2627	437	0.35	7.6	57.7		

Constituents Sampled

PFAS

Container

Plastic

Number

3

Preservative

None

Pump
turned
off
stalled

Well Casing Volumes

Gallons/Foot

1" = 0.04
1.25" = 0.061.5" = 0.09
2" = 0.162.5" = 0.26
3" = 0.373.5" = 0.50
4" = 0.65

6" = 1.47

Well Information

Well Location:

Well Locked at Arrival:

Condition of Well:

Well Locked at Departure:

Well Completion:

Flush Mount / Stick Up

Key Number To Well:



ARCADIS
Groundwater Sampling Form

Page 2 of 3

Project No. _____ Well ID MW-10 Date _____
Project Name/Location: BMS/ Lotte Weather _____
Measuring Pt. _____ Casing _____ Well Material PVC
Description _____ Setting (ft-bmp) _____ Diameter (in.) _____ SS _____
Static Water Level (ft-bmp) _____ Total Depth (ft-bmp) _____ Water Column/ Gallons in Well _____
MP Elevation _____ Pump Intake (ft-bmp) _____ Purge Method: _____ Sample Method: Low Flow
Pump On/Off _____ Volumes Purged _____ Centrifugal _____ Submersible _____ Other _____
Sample Time: Label _____ Replicate/ Code No. _____ See Page 1 Sampled by _____
PID _____ Water Quality Meter Type and ID: _____

Time	Minutes Elapsed	Rate (m/min)	Depth to Water (ft)	Liters Purged	pH +/- 0.1	Cond. (µS/cm) (mS/cm) +/- 3%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/L) +/- 10%	Temp. (°C) +/- 10%	Redox (mV) +/- 10%	Appearance	
											Color	Odor
1345	75	200 100	5.08	14	7.12	2644	425	0.36	7.5	51.8	Clear	None
1350	80	200	5.00	15	7.13	2571	434	0.38	7.4	45.9	"	"
1355	85	200	5.05	16	7.15	2540	348	0.53	7.5	57.6	"	"
1400	90	200	5.14	17	7.12	2605	315	0.45	7.5	54.6	"	"
1405	95	200	5.17	18	7.14	2588	314	0.42	7.7	50.3	"	"
1410	100	200	5.17	19	7.13	2558	343	0.44	7.7	46.9	"	"
1415	105	200	5.13	20	6.86	2581	383	0.40	8.0	43.0	"	"
1420	110	200	5.17	21	7.15	2561	460	0.39	7.9	41.1	"	"
1425	115	200	5.17	22	7.15	2554	489	0.39	7.8	40.7	"	"
1430	120	200	5.15	23	7.13	2578	377	0.34	7.6	40.5	"	"
1435	125	200	5.15	24	7.12	2621	321	0.36	7.7	38.5	"	"
1440	130	200	5.15	25	7.12	2690	234	0.34	7.9	34.0	"	"
1445	135	200	5.15	26	7.13	2703	222	0.35	7.8	31.7	"	"
1450	140	200	5.15	27	7.12	2773	159	0.32	8.0	28.7	"	"
1455	145	200	5.15	28	7.13	2710	153	0.34	7.8	26.0	"	"

Tubing was raised 2'

Constituents Sampled	Container	Number	Preservative

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: _____ Well Locked at Arrival: _____
Condition of Well: _____ Well Locked at Departure: _____
Well Completion: _____ Flush Mount / Stick Up Key Number To Well: _____

See page 1

ARCADIS
Groundwater Sampling Form

MW-10

Page 3 of 3
Date 03/28/24

Project No. _____

Well ID

Date _____

Project Name/Location: BMS/ Lotte

Weather

Measuring Pt. Description	Screen Setting (ft-bmp)
------------------------------	----------------------------

Casing
Diameter (in.)

Well Material _____ PVC
SS

Static Water Level (ft.-bmp)	Total Depth (ft.-bmp)
------------------------------	-----------------------

Water Column/
Gallons in Well

MP Elevation Pump Intake (ft-bmp)

~~Purge Method:~~

Sample
Method: Low Flow

Pump On/Off	Volumes Purged
-------------	----------------

☐ Centrifugal
☐ Submersible
☐ Other

Sample Time: Label
Start
End

Replicate/
Code No.

Sampled by

PID:

Water Quality Meter Type and ID:

[illegible]

Constituents Sampled

Container

Number

Preservative

Well Casing Volumes

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:

Condition of Well:

Well Completion:

Well Locked at Arrival:

~~Well Locked at Departure:~~

Key Number To Well:



ARCADIS

Groundwater Sampling Form

Project No. 30135043 Well ID MW-11 Page 1 of 1 JA
Project Name/Location: BMS/Lotte Jacks Cleaners - Brewerton Date 03/12/24 03/28/24
Measuring Pt. TOL Screen 9-19 Casing 2" Weather 45°F, overcast
Description TOL Setting (ft-bmp) 9-19 Diameter (in.) 2" Well Material X PVC
Static Water 3.76 Total Depth (ft-bmp) 19.9' Water Column/ 2.58
Level (ft-bmp) Gallons in Well
MP Elevation 1005/1120 Pump Intake (ft-bmp) ~15 Purge Method: Peri Sample
Pump On/Off 1005/1120 Volumes Purged 13 Centrifugal Method: Low Flow
Submersible
Other
Sample Time: Label 1120 Replicate/ Code No. Sampled by Jh
Start 1110
End 1120
PID: 0.4 Water Quality Meter Type and ID: YSI Professional Plus

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft)	Liters Purged	pH +/- 0.1	Cond. (µS/cm) (mS/cm) +/- 3%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/L) +/- 10%	Temp. (°C) +/- 10%	Redox (mV) +/- 10%	Appearance	
											Color	Odor
1005	5	2.00	3.76	-	7.11	3099	60.6	35.4	7.5	253.3	Clear	none
1010	10		4.35	1	6.98	3104	57.0	33.1	7.7	243.6		
1015	15		4.35	2	7.00	3107	55.0	3.24	7.6	235.2		
1020	20		4.30	3	6.97	3103	44.1	3.08	7.6	227.3		
1025	25		4.33	4	7.04	3099	32.3	2.87	7.6	219.5		
1030	30		4.27	5	7.05	3094	26.6	1.97	7.8	211.3		
1035	35		4.27	6	7.01	3094	25.0	1.86	7.8	204.7		
1040	40		4.27	7	7.01	3091	27.3	1.70	7.8	199.4		
1045	45		4.27	8	7.01	3093	18.6	1.36	7.8	190.6		
1050	50		4.27	9	7.01	3088	12.2	1.12	7.7	183.6		
1055	55		4.35	10	7.02	3092	10.3	0.96	7.8	178.6		
1100	60		4.35	11	7.01	3088	11.5	0.79	7.7	170.6		
1105	65		4.35	12	7.02	3088	12.6	0.75	7.7	165.7		
1110	70		4.35	13	7.03	3088	10.7	0.72	7.6	160.9		

Constituents Sampled	Container	Number	Preservative
<u>PFA S</u>	<u>Plastic</u>	<u>3</u>	<u>none</u>

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: <u> </u>	Well Locked at Arrival: <u>No/Dummy lock</u>
Condition of Well: <u> </u>	Well Locked at Departure: <u> </u>
Well Completion: <u>Flush Mount / Stick Up</u>	Key Number To Well: <u>Master 2537</u>



ARCADIS

Groundwater Sampling Form

Project No. 30135043 Well ID MW-14 Page 1 of 2
Project Name/Location: BMS/Lotto Jack's cleaners - Brewerton Date 3/28/2024
Measuring Pt. Description TOC Screen Setting (ft-bmp) 15-25' Casing Diameter (in.) 2 Weather 45°F, Overcast
Static Water Level (ft-bmp) 2.20 Total Depth (ft-bmp) 25.18 Water Column/ Gallons in Well 22.98/3.75 Well Material X PVC SS
MP Elevation — Pump Intake (ft-bmp) ~20 Purge Method Peri Pump Sample Method: Low Flow
Pump On/Off 0955/ Volumes Purged 19 Liters Centrifugal — Submersible — Other —
Sample Time: Label 1130 Replicate/ Code No. PUP-20240328 Sampled by BKW
Start 1130 End 1205 MS/MSD collected here
PID: 0.0 Water Quality Meter Type and ID: YSI Professional Plus/ Hach 2100Q

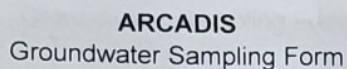
Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft)	Liters Purged	pH +/- 0.1	Cond. (µS/cm) (mS/cm) +/- 3%	Turbidity (NTU) +/- 10%	Dissolved Oxygen (mg/L) +/- 10%	Temp. (°C) +/- 10%	Redox (mV) +/- 10%	Appearance	
											Color	Odor
1000	5	200	3.11	1	6.54	1341	187	6.06	8.0	-107.2	gray + mild	w/ white susp particles
1005	10	200	3.46	2	6.57	1319	169	4.91	8.0	-118.9		
1010	15	160	3.69	3	6.59	1286	138	2.50	8.0	-126.3		
1015	20	160	3.90	4	6.60	1264	94.2	1.16	8.1	-130.3		
1020	25	160	4.00	5	6.67	1247	144	0.93	8.0	-131.7	*	
1025	30	160	4.20	6	6.65	1250	128	0.64	8.2	-132.5		
1030	35	200*	4.27	7	6.67	1250	94.7	0.61	8.4	-134.1		
1035	40	200	4.43	8	6.66	1264	105	0.52	8.4	-134.6	↓	↓
1040	45	200	4.72	9	6.69	1271	111	0.34	8.4	-135.6	clear w/ white susp. particles	
1045	50	200	4.75	10	6.73	1240	79.9	0.33	8.5	-138.8		
1050	55	200	4.77	11	6.72	1222	59.2	0.26	8.5	-139.8		
1055	60	200	4.75	12	6.74	1215	57.4	0.23	8.6	-140.9		
1100	65	200	4.75	13	6.75	1210	57.5	0.23	8.6	-141.6		
1105	70	200	4.81	14	6.74	1222	46.2	0.22	8.7	-142.2	↓	↓
1110	75	200	4.82	15	6.73	1227	39.1	0.20	8.7	-143.0	↓	↓

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL VOA	8	HCL
PTAS	2x 500 mL 1x 125 mL	12	none

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:	<u>Good East wooded area near TW-23</u>	Well Locked at Arrival:	<u>no/Dummy Locked</u>
Condition of Well:	<u>Good</u>	Well Locked at Departure:	<u>no/Dummy Locked</u>
Well Completion:	Flush Mount / <u>Stick Up</u>	Key Number To Well:	<u>master #2537</u>



Well ID

MW-14

Date _____

3/28/2024

Project Name/Location: BMS/ Lotte

Weather

Measuring Pt.

Screen

Casing

Well Material

PVC

Description

~~Setting (ft-bmp)~~

Diameter (in.)

SS

Static Water

Total Depth (ft-bmp)

~~Water Column/
Gallons in Well~~

Level (ft-bmp)

MP Elevation

Pump Intake (ft-bmp)

~~Purge Method:~~

Sample

Method: Low Flow

Pump On/Off

Volumes Purged

Centrifugal

~~Submersible~~

Other

Sample Time:

Label

Replicate/

Star

Code No

See Page 1

Sampled by

PID:

Water Quality Meter Type and ID:

[illegible]

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 Location:	_____	Well Locked at Arrival:	_____
Condition of Well:	_____	Well Locked at Departure:	_____
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	_____

See Page 1

APPENDIX B

Laboratory Analytical Reports

April 5, 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: 24C3585

Enclosed are results of analyses for samples as received by the laboratory on March 29, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Stephanie Fitzgerald

REPORT DATE: 4/5/2024

PURCHASE ORDER NUMBER: 149566

PROJECT NUMBER: 734112

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24C3585

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-14	24C3585-01	Ground Water		SW-846 8260D	
DUP-20230328	24C3585-02	Ground Water		SW-846 8260D	
Trip Blank	24C3585-03	Trip Blank Water		SW-846 8260D	

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.

SW-846 8260D**Qualifications:**

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:**Acetone**

24C3585-01[MW-14], B370078-MS1, B370078-MSD1

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:**Acetone**

24C3585-01[MW-14], 24C3585-02[DUP-20230328], 24C3585-03[Trip Blank], B370078-BLK1, B370078-BS1, B370078-BSD1, B370078-MS1, B370078-MSD1, S102580-CCV1

Methyl Acetate

24C3585-01[MW-14], 24C3585-02[DUP-20230328], 24C3585-03[Trip Blank], B370078-BLK1, B370078-BS1, B370078-BSD1, B370078-MS1, B370078-MSD1, S102580-CCV1

Vinyl Chloride

24C3585-01[MW-14], 24C3585-02[DUP-20230328], 24C3585-03[Trip Blank], B370078-BLK1, B370078-BS1, B370078-BSD1, B370078-MS1, B370078-MSD1, S102580-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: 24C3585

Date Received: 3/29/2024

Sampled: 3/28/2024 11:30

Field Sample #: MW-14

Sample ID: 24C3585-01

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	3.3	50	2.0	µg/L	1	MS-09, V-05, J	SW-846 8260D	4/1/24	4/2/24 16:02	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Benzene	0.43	1.0	0.14	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
cis-1,2-Dichloroethylene	0.25	1.0	0.20	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 16:02	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Ethanol	ND	50	20	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/1/24	4/2/24 16:02	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3585

Date Received: 3/29/2024

Field Sample #: MW-14

Sampled: 3/28/2024 11:30

Sample ID: 24C3585-01

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
Methyl tert-Butyl Ether (MTBE)	0.18	1.0	0.17	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Toluene	0.44	1.0	0.11	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1	V-05	SW-846 8260D	4/1/24	4/2/24 16:02	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:02	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.1		70-130				4/2/24 16:02			
Toluene-d8	99.9		70-130				4/2/24 16:02			
4-Bromofluorobenzene	101		70-130				4/2/24 16:02			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3585

Date Received: 3/29/2024

Field Sample #: DUP-20230328

Sampled: 3/28/2024 11:30

Sample ID: 24C3585-02

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	3.0	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/1/24	4/2/24 16:28	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Benzene	0.43	1.0	0.14	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
cis-1,2-Dichloroethylene	0.25	1.0	0.20	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 16:28	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Ethanol	ND	50	20	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/1/24	4/2/24 16:28	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3585

Date Received: 3/29/2024

Field Sample #: DUP-20230328

Sampled: 3/28/2024 11:30

Sample ID: 24C3585-02

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
Methyl tert-Butyl Ether (MTBE)	0.18	1.0	0.17	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Toluene	0.47	1.0	0.11	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1	V-05	SW-846 8260D	4/1/24	4/2/24 16:28	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/1/24	4/2/24 16:28	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.2		70-130				4/2/24 16:28			
Toluene-d8	99.8		70-130				4/2/24 16:28			
4-Bromofluorobenzene	103		70-130				4/2/24 16:28			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3585

Date Received: 3/29/2024

Field Sample #: Trip Blank

Sampled: 3/28/2024 00:00

Sample ID: 24C3585-03

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	V-05	SW-846 8260D	4/1/24	4/2/24 11:44	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Ethanol	ND	50	20	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Ethylbenzene	0.28	1.0	0.14	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 11:44	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/1/24	4/2/24 11:44	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3585

Date Received: 3/29/2024

Field Sample #: Trip Blank

Sampled: 3/28/2024 00:00

Sample ID: 24C3585-03

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Toluene	1.8	1.0	0.11	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,2,4-Trimethylbenzene	0.24	1.0	0.16	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 11:44	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1	V-05	SW-846 8260D	4/1/24	4/2/24 11:44	EEH
m+p Xylene	1.1	2.0	0.25	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 11:44	EEH
o-Xylene	0.28	1.0	0.16	µg/L	1	J	SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Xylenes (total)	1.1	1.0	1.0	µg/L	1		SW-846 8260D	4/1/24	4/2/24 11:44	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.6		70-130				4/2/24 11:44			
Toluene-d8	101		70-130				4/2/24 11:44			
4-Bromofluorobenzene	102		70-130				4/2/24 11:44			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24C3585-01 [MW-14]	B370078	5	5.00	04/01/24
24C3585-02 [DUP-20230328]	B370078	5	5.00	04/01/24
24C3585-03 [Trip Blank]	B370078	5	5.00	04/01/24

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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 B370078 - SW-846 5030B										
Blank (B370078-BLK1)				Prepared: 04/01/24 Analyzed: 04/02/24						
Acetone	ND	50	µg/L							V-05
tert-Amyl Alcohol (TAA)	ND	5.0	µg/L							
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	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							
tert-Butyl Alcohol (TBA)	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							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	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							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethanol	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05
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							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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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 B370078 - SW-846 5030B										
Blank (B370078-BLK1)										
Prepared: 04/01/24 Analyzed: 04/02/24										
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
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							V-05
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	25.0		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102	70-130			
LCS (B370078-BS1)										
Prepared: 04/01/24 Analyzed: 04/02/24										
Acetone	77.8	50	µg/L	100		77.8	70-160			V-05 †
tert-Amyl Alcohol (TAA)	92.8	5.0	µg/L	100		92.8	70-130			
tert-Amyl Ethyl Ether (TAE)	9.05	0.50	µg/L	10.0		90.5	70-130			
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130			
Benzene	9.59	1.0	µg/L	10.0		95.9	70-130			
Bromochloromethane	8.32	1.0	µg/L	10.0		83.2	70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130			
Bromoform	10.6	1.0	µg/L	10.0		106	70-130			
Bromomethane	9.07	2.0	µg/L	10.0		90.7	40-160			†
2-Butanone (MEK)	87.8	20	µg/L	100		87.8	40-160			†
tert-Butyl Alcohol (TBA)	101	20	µg/L	100		101	40-160			†
n-Butylbenzene	9.63	1.0	µg/L	10.0		96.3	70-130			
sec-Butylbenzene	9.79	1.0	µg/L	10.0		97.9	70-130			
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.00	0.50	µg/L	10.0		90.0	70-130			
Carbon Disulfide	70.2	5.0	µg/L	100		70.2	70-130			
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130			
Chlorobenzene	9.74	1.0	µg/L	10.0		97.4	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
Chloroethane	8.27	2.0	µg/L	10.0		82.7	70-130			
Chloroform	10.1	2.0	µg/L	10.0		101	70-130			
Chloromethane	6.98	2.0	µg/L	10.0		69.8	40-160			†
Cyclohexane	8.02	5.0	µg/L	10.0		80.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.0	5.0	µg/L	10.0		110	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130			
1,2-Dichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130			
1,3-Dichlorobenzene	9.61	1.0	µg/L	10.0		96.1	70-130			
1,4-Dichlorobenzene	9.58	1.0	µg/L	10.0		95.8	70-130			
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160			†
1,1-Dichloroethane	9.04	1.0	µg/L	10.0		90.4	70-130			
1,2-Dichloroethane	8.78	1.0	µg/L	10.0		87.8	70-130			

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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 B370078 - SW-846 5030B
LCS (B370078-BS1)

Prepared: 04/01/24 Analyzed: 04/02/24

1,1-Dichloroethylene	8.62	1.0	µg/L	10.0		86.2	70-130			
cis-1,2-Dichloroethylene	8.64	1.0	µg/L	10.0		86.4	70-130			
trans-1,2-Dichloroethylene	8.48	1.0	µg/L	10.0		84.8	70-130			
1,2-Dichloropropane	9.03	1.0	µg/L	10.0		90.3	70-130			
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130			
Diisopropyl Ether (DIPE)	8.56	0.50	µg/L	10.0		85.6	70-130			
Ethanol	85.7	50	µg/L	100		85.7	40-160			
Ethylbenzene	9.79	1.0	µg/L	10.0		97.9	70-130			
2-Hexanone (MBK)	96.6	10	µg/L	100		96.6	70-160			†
Isopropylbenzene (Cumene)	9.86	1.0	µg/L	10.0		98.6	70-130			
p-Isopropyltoluene (p-Cymene)	9.73	1.0	µg/L	10.0		97.3	70-130			
Methyl Acetate	7.35	1.0	µg/L	10.0		73.5	70-130			V-05
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl Cyclohexane	9.93	1.0	µg/L	10.0		99.3	70-130			
Methylene Chloride	8.24	5.0	µg/L	10.0		82.4	70-130			
4-Methyl-2-pentanone (MIBK)	93.7	10	µg/L	100		93.7	70-160			†
Naphthalene	9.80	2.0	µg/L	10.0		98.0	40-130			†
n-Propylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
Styrene	9.94	1.0	µg/L	10.0		99.4	70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Toluene	9.98	1.0	µg/L	10.0		99.8	70-130			
1,2,3-Trichlorobenzene	9.88	5.0	µg/L	10.0		98.8	70-130			
1,2,4-Trichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130			
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.0		108	70-130			
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0		107	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130			
1,2,4-Trimethylbenzene	9.98	1.0	µg/L	10.0		99.8	70-130			
1,3,5-Trimethylbenzene	9.98	1.0	µg/L	10.0		99.8	70-130			
Vinyl Chloride	6.73	2.0	µg/L	10.0		67.3	40-160			V-05 †
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Xylenes (total)	30.2	1.0	µg/L	30.0		101	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.0		99.9	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		101	70-130			

LCS Dup (B370078-BS1)

Prepared: 04/01/24 Analyzed: 04/02/24

Acetone	74.2	50	µg/L	100		74.2	70-160	4.68	25	V-05 †
tert-Amyl Alcohol (TAA)	90.3	5.0	µg/L	100		90.3	70-130	2.76	25	
tert-Amyl Ethyl Ether (TAEE)	9.43	0.50	µg/L	10.0		94.3	70-130	4.11	25	
tert-Amyl Methyl Ether (TAME)	11.4	0.50	µg/L	10.0		114	70-130	6.74	25	
Benzene	10.0	1.0	µg/L	10.0		100	70-130	4.39	25	
Bromochloromethane	8.87	1.0	µg/L	10.0		88.7	70-130	6.40	25	
Bromodichloromethane	11.1	0.50	µg/L	10.0		111	70-130	4.31	25	
Bromoform	11.0	1.0	µg/L	10.0		110	70-130	3.61	25	
Bromomethane	9.42	2.0	µg/L	10.0		94.2	40-160	3.79	25	†
2-Butanone (MEK)	81.6	20	µg/L	100		81.6	40-160	7.30	25	†

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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 B370078 - SW-846 5030B										
LCS Dup (B370078-BSD1)				Prepared: 04/01/24 Analyzed: 04/02/24						
tert-Butyl Alcohol (TBA)	91.1	20	µg/L	100		91.1	40-160	10.8	25	†
n-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130	8.45	25	
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130	7.28	25	
tert-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130	7.45	25	
tert-Butyl Ethyl Ether (TBEE)	9.46	0.50	µg/L	10.0		94.6	70-130	4.98	25	
Carbon Disulfide	74.1	5.0	µg/L	100		74.1	70-130	5.38	25	
Carbon Tetrachloride	11.2	5.0	µg/L	10.0		112	70-130	6.67	25	
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	6.36	25	
Chlorodibromomethane	11.0	0.50	µg/L	10.0		110	70-130	3.31	25	
Chloroethane	8.90	2.0	µg/L	10.0		89.0	70-130	7.34	25	
Chloroform	10.8	2.0	µg/L	10.0		108	70-130	6.49	25	
Chloromethane	7.69	2.0	µg/L	10.0		76.9	40-160	9.68	25	†
Cyclohexane	8.53	5.0	µg/L	10.0		85.3	70-130	6.16	25	
1,2-Dibromo-3-chloropropane (DBCP)	11.0	5.0	µg/L	10.0		110	70-130	0.0913	25	
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130	4.13	25	
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	8.07	25	
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	8.37	25	
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	9.54	25	
Dichlorodifluoromethane (Freon 12)	11.4	2.0	µg/L	10.0		114	40-160	4.38	25	†
1,1-Dichloroethane	9.41	1.0	µg/L	10.0		94.1	70-130	4.01	25	
1,2-Dichloroethane	9.26	1.0	µg/L	10.0		92.6	70-130	5.32	25	
1,1-Dichloroethylene	9.20	1.0	µg/L	10.0		92.0	70-130	6.51	25	
cis-1,2-Dichloroethylene	9.17	1.0	µg/L	10.0		91.7	70-130	5.95	25	
trans-1,2-Dichloroethylene	9.00	1.0	µg/L	10.0		90.0	70-130	5.95	25	
1,2-Dichloropropane	9.25	1.0	µg/L	10.0		92.5	70-130	2.41	25	
cis-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111	70-130	4.89	25	
trans-1,3-Dichloropropene	11.5	0.50	µg/L	10.0		115	70-130	6.95	25	
Diisopropyl Ether (DIPE)	9.03	0.50	µg/L	10.0		90.3	70-130	5.34	25	
Ethanol	78.4	50	µg/L	100		78.4	40-160	8.92	25	
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	7.38	25	
2-Hexanone (MBK)	92.7	10	µg/L	100		92.7	70-160	4.22	25	†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105	70-130	6.57	25	
p-Isopropyltoluene (p-Cymene)	10.6	1.0	µg/L	10.0		106	70-130	8.09	25	
Methyl Acetate	7.29	1.0	µg/L	10.0		72.9	70-130	0.820	25	V-05
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130	5.55	25	
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130	5.58	25	
Methylene Chloride	8.76	5.0	µg/L	10.0		87.6	70-130	6.12	25	
4-Methyl-2-pentanone (MIBK)	93.0	10	µg/L	100		93.0	70-160	0.750	25	†
Naphthalene	10.1	2.0	µg/L	10.0		101	40-130	3.31	25	†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130	6.29	25	
Styrene	10.6	1.0	µg/L	10.0		106	70-130	6.52	25	
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130	0.968	25	
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130	5.00	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	5.84	25	
1,2,3-Trichlorobenzene	10.5	5.0	µg/L	10.0		105	70-130	5.89	25	
1,2,4-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	8.64	25	
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	6.60	25	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	3.33	25	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	3.57	25	
Trichlorofluoromethane (Freon 11)	11.3	2.0	µg/L	10.0		113	70-130	4.34	25	
1,2,3-Trichloropropane	11.0	2.0	µg/L	10.0		110	70-130	2.40	25	

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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 B370078 - SW-846 5030B										
LCS Dup (B370078-BSD1)										
Prepared: 04/01/24 Analyzed: 04/02/24										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	1.0	µg/L	10.0		111	70-130	4.78	25	
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	7.52	25	
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	6.78	25	
Vinyl Chloride	8.26	2.0	µg/L	10.0		82.6	40-160	20.4	25	V-05 †
m+p Xylene	21.7	2.0	µg/L	20.0		108	70-130	7.87	25	
o-Xylene	10.9	1.0	µg/L	10.0		109	70-130	6.71	25	
Xylenes (total)	32.6	1.0	µg/L	30.0		109	0-200	7.48		
Surrogate: 1,2-Dichloroethane-d4	24.5		µg/L	25.0		97.9	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		103	70-130			
Matrix Spike (B370078-MS1)										
Source: 24C3585-01 Prepared: 04/01/24 Analyzed: 04/02/24										
Acetone	71.7	50	µg/L	100	3.32	68.4	* 70-130			MS-09, V-05
tert-Amyl Alcohol (TAA)	84.6	5.0	µg/L	100	ND	84.6	70-130			
tert-Amyl Ethyl Ether (TAEE)	9.43	0.50	µg/L	10.0	ND	94.3	70-130			
tert-Amyl Methyl Ether (TAME)	10.7	0.50	µg/L	10.0	ND	107	70-130			
Benzene	11.1	1.0	µg/L	10.0	0.430	107	70-130			
Bromochloromethane	9.13	1.0	µg/L	10.0	ND	91.3	70-130			
Bromodichloromethane	11.1	0.50	µg/L	10.0	ND	111	70-130			
Bromoform	9.52	1.0	µg/L	10.0	ND	95.2	70-130			
Bromomethane	8.02	2.0	µg/L	10.0	ND	80.2	70-130			
2-Butanone (MEK)	79.0	20	µg/L	100	ND	79.0	70-130			
tert-Butyl Alcohol (TBA)	86.7	20	µg/L	100	ND	86.7	70-130			
n-Butylbenzene	10.4	1.0	µg/L	10.0	ND	104	70-130			
sec-Butylbenzene	10.8	1.0	µg/L	10.0	ND	108	70-130			
tert-Butylbenzene	11.1	1.0	µg/L	10.0	ND	111	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.44	0.50	µg/L	10.0	ND	94.4	70-130			
Carbon Disulfide	88.4	5.0	µg/L	100	ND	88.4	70-130			
Carbon Tetrachloride	11.9	5.0	µg/L	10.0	ND	119	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.0	ND	107	70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.0	ND	106	70-130			
Chloroethane	10.8	2.0	µg/L	10.0	ND	108	70-130			
Chloroform	11.1	2.0	µg/L	10.0	ND	111	70-130			
Chloromethane	9.43	2.0	µg/L	10.0	ND	94.3	70-130			
Cyclohexane	9.19	5.0	µg/L	10.0	ND	91.9	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.4	5.0	µg/L	10.0	ND	104	70-130			
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0	ND	107	70-130			
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0	ND	104	70-130			
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0	ND	104	70-130			
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0	ND	103	70-130			
Dichlorodifluoromethane (Freon 12)	12.7	2.0	µg/L	10.0	ND	127	70-130			
1,1-Dichloroethane	9.99	1.0	µg/L	10.0	ND	99.9	70-130			
1,2-Dichloroethane	9.41	1.0	µg/L	10.0	ND	94.1	70-130			
1,1-Dichloroethylene	10.5	1.0	µg/L	10.0	ND	105	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0	0.250	97.7	70-130			
trans-1,2-Dichloroethylene	9.76	1.0	µg/L	10.0	ND	97.6	70-130			
1,2-Dichloropropane	9.65	1.0	µg/L	10.0	ND	96.5	70-130			
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0	ND	108	70-130			
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0	ND	107	70-130			
Diisopropyl Ether (DIPE)	9.19	0.50	µg/L	10.0	ND	91.9	70-130			
Ethanol	78.6	50	µg/L	100	ND	78.6	70-130			
Ethylbenzene	10.9	1.0	µg/L	10.0	ND	109	70-130			

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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 B370078 - SW-846 5030B

Matrix Spike (B370078-MS1)		Source: 24C3585-01			Prepared: 04/01/24 Analyzed: 04/02/24					
2-Hexanone (MBK)	91.0	10	µg/L	100	ND	91.0	70-130			
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0	ND	108	70-130			
p-Isopropyltoluene (p-Cymene)	10.8	1.0	µg/L	10.0	ND	108	70-130			
Methyl Acetate	9.36	1.0	µg/L	10.0	ND	93.6	70-130			V-05
Methyl tert-Butyl Ether (MTBE)	11.1	1.0	µg/L	10.0	0.180	110	70-130			
Methyl Cyclohexane	10.6	1.0	µg/L	10.0	ND	106	70-130			
Methylene Chloride	9.03	5.0	µg/L	10.0	ND	90.3	70-130			
4-Methyl-2-pentanone (MIBK)	89.3	10	µg/L	100	ND	89.3	70-130			
Naphthalene	9.88	2.0	µg/L	10.0	ND	98.8	70-130			
n-Propylbenzene	10.8	1.0	µg/L	10.0	ND	108	70-130			
Styrene	10.4	1.0	µg/L	10.0	ND	104	70-130			
1,1,2,2-Tetrachloroethane	9.98	0.50	µg/L	10.0	ND	99.8	70-130			
Tetrachloroethylene	11.2	1.0	µg/L	10.0	ND	112	70-130			
Toluene	11.6	1.0	µg/L	10.0	0.440	112	70-130			
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0	ND	100	70-130			
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.0	ND	103	70-130			
1,1,1-Trichloroethane	11.5	1.0	µg/L	10.0	ND	115	70-130			
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0	ND	107	70-130			
Trichloroethylene	11.6	1.0	µg/L	10.0	ND	116	70-130			
Trichlorofluoromethane (Freon 11)	12.2	2.0	µg/L	10.0	ND	122	70-130			
1,2,3-Trichloropropane	10.3	2.0	µg/L	10.0	ND	103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3	1.0	µg/L	10.0	ND	113	70-130			
1,2,4-Trimethylbenzene	11.0	1.0	µg/L	10.0	ND	110	70-130			
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0	ND	108	70-130			
Vinyl Chloride	8.80	2.0	µg/L	10.0	ND	88.0	70-130			V-05
m+p Xylene	22.3	2.0	µg/L	20.0	ND	111	70-130			
o-Xylene	11.0	1.0	µg/L	10.0	ND	110	70-130			
Xylenes (total)	33.3	1.0	µg/L	30.0	ND	111	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.7		µg/L	25.0		98.9	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			

Matrix Spike Dup (B370078-MSD1)		Source: 24C3585-01			Prepared: 04/01/24 Analyzed: 04/02/24					
Acetone	71.6	50	µg/L	100	3.32	68.3 *	70-130	0.126	30	MS-09, V-05
tert-Amyl Alcohol (TAA)	83.1	5.0	µg/L	100	ND	83.1	70-130	1.79	30	
tert-Amyl Ethyl Ether (TAAE)	8.97	0.50	µg/L	10.0	ND	89.7	70-130	5.00	30	
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0	ND	104	70-130	2.18	30	
Benzene	10.9	1.0	µg/L	10.0	0.430	104	70-130	2.55	30	
Bromochloromethane	8.67	1.0	µg/L	10.0	ND	86.7	70-130	5.17	30	
Bromodichloromethane	10.5	0.50	µg/L	10.0	ND	105	70-130	5.65	30	
Bromoform	9.17	1.0	µg/L	10.0	ND	91.7	70-130	3.75	30	
Bromomethane	8.40	2.0	µg/L	10.0	ND	84.0	70-130	4.63	30	
2-Butanone (MEK)	79.5	20	µg/L	100	ND	79.5	70-130	0.606	30	
tert-Butyl Alcohol (TBA)	87.7	20	µg/L	100	ND	87.7	70-130	1.16	30	
n-Butylbenzene	9.84	1.0	µg/L	10.0	ND	98.4	70-130	5.63	30	
sec-Butylbenzene	10.2	1.0	µg/L	10.0	ND	102	70-130	5.83	30	
tert-Butylbenzene	10.5	1.0	µg/L	10.0	ND	105	70-130	5.45	30	
tert-Butyl Ethyl Ether (TBEE)	9.23	0.50	µg/L	10.0	ND	92.3	70-130	2.25	30	
Carbon Disulfide	85.1	5.0	µg/L	100	ND	85.1	70-130	3.83	30	
Carbon Tetrachloride	11.7	5.0	µg/L	10.0	ND	117	70-130	1.95	30	
Chlorobenzene	10.0	1.0	µg/L	10.0	ND	100	70-130	6.58	30	
Chlorodibromomethane	10.1	0.50	µg/L	10.0	ND	101	70-130	5.42	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 B370078 - SW-846 5030B										
Matrix Spike Dup (B370078-MSD1)	Source: 24C3585-01			Prepared: 04/01/24 Analyzed: 04/02/24						
Chloroethane	10.8	2.0	µg/L	10.0	ND	108	70-130	0.370	30	
Chloroform	10.9	2.0	µg/L	10.0	ND	109	70-130	1.99	30	
Chloromethane	9.03	2.0	µg/L	10.0	ND	90.3	70-130	4.33	30	
Cyclohexane	9.27	5.0	µg/L	10.0	ND	92.7	70-130	0.867	30	
1,2-Dibromo-3-chloropropane (DBCP)	9.81	5.0	µg/L	10.0	ND	98.1	70-130	6.32	30	
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0	ND	100	70-130	6.47	30	
1,2-Dichlorobenzene	9.83	1.0	µg/L	10.0	ND	98.3	70-130	5.83	30	
1,3-Dichlorobenzene	9.82	1.0	µg/L	10.0	ND	98.2	70-130	5.26	30	
1,4-Dichlorobenzene	9.70	1.0	µg/L	10.0	ND	97.0	70-130	6.10	30	
Dichlorodifluoromethane (Freon 12)	12.8	2.0	µg/L	10.0	ND	128	70-130	0.941	30	
1,1-Dichloroethane	9.66	1.0	µg/L	10.0	ND	96.6	70-130	3.36	30	
1,2-Dichloroethane	8.71	1.0	µg/L	10.0	ND	87.1	70-130	7.73	30	
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0	ND	102	70-130	3.67	30	
cis-1,2-Dichloroethylene	9.59	1.0	µg/L	10.0	0.250	93.4	70-130	4.39	30	
trans-1,2-Dichloroethylene	9.41	1.0	µg/L	10.0	ND	94.1	70-130	3.65	30	
1,2-Dichloropropane	9.27	1.0	µg/L	10.0	ND	92.7	70-130	4.02	30	
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0	ND	101	70-130	6.43	30	
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0	ND	101	70-130	6.54	30	
Diisopropyl Ether (DIPE)	8.79	0.50	µg/L	10.0	ND	87.9	70-130	4.45	30	
Ethanol	77.4	50	µg/L	100	ND	77.4	70-130	1.58	30	
Ethylbenzene	10.4	1.0	µg/L	10.0	ND	104	70-130	4.32	30	
2-Hexanone (MBK)	87.3	10	µg/L	100	ND	87.3	70-130	4.18	30	
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0	ND	103	70-130	4.94	30	
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0	ND	101	70-130	6.50	30	
Methyl Acetate	9.10	1.0	µg/L	10.0	ND	91.0	70-130	2.82	30	V-05
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0	0.180	105	70-130	3.94	30	
Methyl Cyclohexane	10.4	1.0	µg/L	10.0	ND	104	70-130	1.71	30	
Methylene Chloride	8.07	5.0	µg/L	10.0	ND	80.7	70-130	11.2	30	
4-Methyl-2-pentanone (MIBK)	87.3	10	µg/L	100	ND	87.3	70-130	2.34	30	
Naphthalene	9.37	2.0	µg/L	10.0	ND	93.7	70-130	5.30	30	
n-Propylbenzene	10.0	1.0	µg/L	10.0	ND	100	70-130	6.73	30	
Styrene	9.91	1.0	µg/L	10.0	ND	99.1	70-130	4.92	30	
1,1,2,2-Tetrachloroethane	9.80	0.50	µg/L	10.0	ND	98.0	70-130	1.82	30	
Tetrachloroethylene	10.7	1.0	µg/L	10.0	ND	107	70-130	4.02	30	
Toluene	10.9	1.0	µg/L	10.0	0.440	105	70-130	6.29	30	
1,2,3-Trichlorobenzene	9.51	5.0	µg/L	10.0	ND	95.1	70-130	5.12	30	
1,2,4-Trichlorobenzene	9.44	1.0	µg/L	10.0	ND	94.4	70-130	8.42	30	
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0	ND	112	70-130	2.55	30	
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0	ND	102	70-130	4.61	30	
Trichloroethylene	10.6	1.0	µg/L	10.0	ND	106	70-130	8.77	30	
Trichlorofluoromethane (Freon 11)	12.1	2.0	µg/L	10.0	ND	121	70-130	1.31	30	
1,2,3-Trichloropropane	9.96	2.0	µg/L	10.0	ND	99.6	70-130	3.26	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0	ND	112	70-130	0.356	30	
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0	ND	102	70-130	7.15	30	
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0	ND	102	70-130	5.60	30	
Vinyl Chloride	8.64	2.0	µg/L	10.0	ND	86.4	70-130	1.83	30	V-05
m+p Xylene	21.1	2.0	µg/L	20.0	ND	105	70-130	5.58	20	
o-Xylene	10.6	1.0	µg/L	10.0	ND	106	70-130	4.08	30	
Xylenes (total)	31.6	1.0	µg/L	30.0	ND	105	0-200	5.08		
Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.5	70-130			

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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 B370078 - SW-846 5030B

Matrix Spike Dup (B370078-MSD1)

Source: 24C3585-01

Prepared: 04/01/24 Analyzed: 04/02/24

Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			
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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,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
Diisopropyl Ether (DIPE)	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

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
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
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Arcadis
 Project Jack's Cleaners
 MCP/RCP Required EQUIS EDD
 Deliverable Package Requirement ~~AHA~~ Cat. B
 Location Brewerton, NY
 PWSID# (When Applicable) N/A
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time AAM 3/29 1050
 Back-Sheet By / Date / Time DWW 3/29
 Temperature Method GUN # 6
 Temp X < 6° C Actual Temperature 3.8
 Rush Samples: Yes ☒ No ☐ Notify _____
 Short Hold: Yes ☒ No ☐ Notify _____

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☐
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒
All Samples Proper pH:	☒ N/A	☐

Additional Container Notes

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

Sample	Soils Jars (Circle Amb/Clear)				Ambers				Plastics							VOA Vials					Other / Fill in				
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	250mL	100mL	1 Liter	500mL	250mL				Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact			
1																		2							
2																		2							
3																		2							
4																									
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	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

April 15, 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: 24C3586

Enclosed are results of analyses for samples as received by the laboratory on March 29, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Stephanie Fitzgerald

REPORT DATE: 4/15/2024

PURCHASE ORDER NUMBER: 149566

PROJECT NUMBER: 734112

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24C3586

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-10	24C3586-01	Ground Water		Draft Method 1633	
MW-11	24C3586-02	Ground Water		Draft Method 1633	
MW-14	24C3586-03	Ground Water		Draft Method 1633	
DUP-20230328	24C3586-04	Ground Water		Draft Method 1633	
Equipment Blank-20240328	24C3586-05	Equipment Blank Water		Draft Method 1633	
Field Blank-20240328	24C3586-06	Field Blank		Draft Method 1633	

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CASE NARRATIVE SUMMARY

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

Draft Method 1633**Qualifications:**

PF-23

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

Analyte & Samples(s) Qualified:**Perfluorooctanoic acid (PFOA)**

24C3586-02[MW-11]

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: 24C3586

Date Received: 3/29/2024

Field Sample #: MW-10

Sampled: 3/28/2024 15:45

Sample ID: 24C3586-01

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)	6.4	4.2	2.3	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluoropentanoic acid (PFPeA)	1.0	2.1	0.45	ng/L	1	J	Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorohexanoic acid (PFHxA)	0.68	1.1	0.25	ng/L	1	J	Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.1	0.28	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorooctanoic acid (PFOA)	0.69	1.1	0.28	ng/L	1	J	Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorononanoic acid (PFNA)	ND	1.1	0.20	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorodecanoic acid (PFDA)	ND	1.1	0.22	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.1	0.22	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.1	0.21	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.1	0.31	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.1	0.27	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorobutanesulfonic acid (PFBS)	1.6	1.1	0.22	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.1	0.27	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorohexanesulfonic acid (PFHxS)	0.39	1.1	0.30	ng/L	1	J	Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.1	0.35	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.1	0.41	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.1	0.27	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.1	0.30	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.1	0.31	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.2	0.79	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.2	3.2	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.2	1.2	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.1	0.25	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.1	0.35	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.1	0.36	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.1	0.38	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.1	0.42	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	11	2.9	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	11	2.8	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.2	1.1	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	4.2	0.87	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.2	1.0	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
11Cl-PF3OUDS (F53B Major)	ND	4.2	1.1	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	11	2.3	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	53	12	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	53	10	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.1	0.37	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.1	0.59	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: MW-10

Sampled: 3/28/2024 15:45

Sample ID: 24C3586-01

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	2.1	0.57	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.1	0.58	ng/L	1		Draft Method 1633	4/11/24	4/12/24 23:55	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	69.9		10-130				4/12/24 23:55			
13C5-PFPeA	69.0		35-150				4/12/24 23:55			
13C5-PFHxA	68.8		55-150				4/12/24 23:55			
13C4-PFHpA	64.6		55-150				4/12/24 23:55			
13C8-PFOA	67.9		60-140				4/12/24 23:55			
13C9-PFNA	66.6		55-140				4/12/24 23:55			
13C6-PFDA	64.0		50-140				4/12/24 23:55			
13C7-PFUnA	60.4		30-140				4/12/24 23:55			
13C2-PFDoA	59.7		10-150				4/12/24 23:55			
13C2-PFTeDA	55.7		10-130				4/12/24 23:55			
13C3-PFBS	70.6		55-150				4/12/24 23:55			
13C3-PFHxS	67.2		55-150				4/12/24 23:55			
13C8-PFOS	62.9		45-140				4/12/24 23:55			
13C2-4:2FTS	73.2		60-200				4/12/24 23:55			
13C2-6:2FTS	62.5		60-200				4/12/24 23:55			
13C2-8:2FTS	56.7		50-200				4/12/24 23:55			
13C8-PFOSA	58.4		30-130				4/12/24 23:55			
D3-NMeFOSA	55.3		15-130				4/12/24 23:55			
D5-NEtFOSA	51.3		10-130				4/12/24 23:55			
D3-NMeFOSAA	66.8		45-200				4/12/24 23:55			
D5-NEtFOSAA	62.1		10-200				4/12/24 23:55			
D7-NMeFOSE	55.2		10-150				4/12/24 23:55			
D9-NEtFOSE	53.3		10-150				4/12/24 23:55			
13C3-HFPO-DA	72.1		25-160				4/12/24 23:55			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Sampled: 3/28/2024 15:45

Field Sample #: MW-10

Sample ID: 24C3586-01

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	28	10	mg/L	1		Draft Method 1633	4/2/24	4/2/24 11:37	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: MW-11

Sampled: 3/28/2024 11:20

Sample ID: 24C3586-02

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)	12	4.0	2.2	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluoropentanoic acid (PFPeA)	11	2.0	0.43	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorohexanoic acid (PFHxA)	5.0	0.99	0.24	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluoroheptanoic acid (PFHpA)	0.78	0.99	0.26	ng/L	1	J	Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorooctanoic acid (PFOA)	0.83	0.99	0.26	ng/L	1	PF-23, J	Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorononanoic acid (PFNA)	ND	0.99	0.19	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorodecanoic acid (PFDA)	ND	0.99	0.21	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluoroundecanoic acid (PFUnA)	ND	0.99	0.20	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorododecanoic acid (PFDoA)	ND	0.99	0.20	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	0.99	0.29	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	0.99	0.26	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorobutanesulfonic acid (PFBS)	0.75	0.99	0.21	ng/L	1	J	Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	0.99	0.25	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	0.99	0.28	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.99	0.33	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	0.99	0.38	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorononanesulfonic acid (PFNS)	ND	0.99	0.25	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	0.99	0.29	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	0.99	0.29	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.0	0.74	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.0	3.0	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.0	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	0.99	0.23	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	0.99	0.33	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.99	0.33	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
N-MeFOSAA (NMeFOSAA)	ND	0.99	0.36	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
N-EtFOSAA (NEtFOSAA)	ND	0.99	0.40	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	9.9	2.7	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	9.9	2.7	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.0	1.0	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	4.0	0.82	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.0	0.96	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
11Cl-PF3OUDS (F53B Major)	ND	4.0	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	9.9	2.2	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	50	11	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	50	9.4	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.35	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.55	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: MW-11

Sampled: 3/28/2024 11:20

Sample ID: 24C3586-02

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	0.54	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.55	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:11	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	72.5		10-130				4/13/24 0:11			
13C5-PFPeA	71.8		35-150				4/13/24 0:11			
13C5-PFHxA	71.6		55-150				4/13/24 0:11			
13C4-PFHpA	67.3		55-150				4/13/24 0:11			
13C8-PFOA	69.1		60-140				4/13/24 0:11			
13C9-PFNA	66.8		55-140				4/13/24 0:11			
13C6-PFDA	66.6		50-140				4/13/24 0:11			
13C7-PFUnA	60.4		30-140				4/13/24 0:11			
13C2-PFDoA	56.7		10-150				4/13/24 0:11			
13C2-PFTeDA	53.3		10-130				4/13/24 0:11			
13C3-PFBS	71.9		55-150				4/13/24 0:11			
13C3-PFHxS	70.2		55-150				4/13/24 0:11			
13C8-PFOS	66.9		45-140				4/13/24 0:11			
13C2-4:2FTS	72.8		60-200				4/13/24 0:11			
13C2-6:2FTS	66.0		60-200				4/13/24 0:11			
13C2-8:2FTS	55.8		50-200				4/13/24 0:11			
13C8-PFOSA	59.4		30-130				4/13/24 0:11			
D3-NMeFOSA	53.9		15-130				4/13/24 0:11			
D5-NEtFOSA	51.6		10-130				4/13/24 0:11			
D3-NMeFOSAA	63.6		45-200				4/13/24 0:11			
D5-NEtFOSAA	63.3		10-200				4/13/24 0:11			
D7-NMeFOSE	52.3		10-150				4/13/24 0:11			
D9-NEtFOSE	49.0		10-150				4/13/24 0:11			
13C3-HFPO-DA	69.9		25-160				4/13/24 0:11			

Project Location: Brewerton, NY

Date Received: 3/29/2024

Field Sample #: MW-11

Sample ID: 24C3586-02

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 3/28/2024 11:20

Work Order: 24C3586

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	4/2/24	4/2/24 11:37	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: MW-14

Sampled: 3/28/2024 11:30

Sample ID: 24C3586-03

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)	5.3	4.2	2.3	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluoropentanoic acid (PFPeA)	1.3	2.1	0.45	ng/L	1	J	Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorohexanoic acid (PFHxA)	0.29	1.0	0.25	ng/L	1	J	Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorooctanoic acid (PFOA)	0.49	1.0	0.27	ng/L	1	J	Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorononanoic acid (PFNA)	ND	1.0	0.20	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorodecanoic acid (PFDA)	ND	1.0	0.22	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.0	0.21	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.0	0.21	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.0	0.22	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.0	0.29	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.0	0.35	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorooctanesulfonic acid (PFOS)	0.63	1.0	0.40	ng/L	1	J	Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.0	0.26	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.2	0.78	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.2	3.2	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.2	1.2	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.0	0.24	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.0	0.34	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.0	0.35	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.0	0.38	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.0	0.42	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	10	2.9	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	10	2.8	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.2	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	4.2	0.86	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.2	1.0	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
11Cl-PF3OUs (F53B Major)	ND	4.2	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	10	2.3	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	52	12	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	52	10	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.1	0.37	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.1	0.58	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: MW-14

Sampled: 3/28/2024 11:30

Sample ID: 24C3586-03

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	2.1	0.57	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.1	0.58	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:27	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	67.0		10-130				4/13/24 0:27			
13C5-PFPeA	65.5		35-150				4/13/24 0:27			
13C5-PFHxA	72.5		55-150				4/13/24 0:27			
13C4-PFHpA	62.9		55-150				4/13/24 0:27			
13C8-PFOA	74.1		60-140				4/13/24 0:27			
13C9-PFNA	70.5		55-140				4/13/24 0:27			
13C6-PFDA	67.1		50-140				4/13/24 0:27			
13C7-PFUnA	65.9		30-140				4/13/24 0:27			
13C2-PFDoA	53.4		10-150				4/13/24 0:27			
13C2-PFTeDA	36.5		10-130				4/13/24 0:27			
13C3-PFBS	74.7		55-150				4/13/24 0:27			
13C3-PFHxS	68.9		55-150				4/13/24 0:27			
13C8-PFOS	68.8		45-140				4/13/24 0:27			
13C2-4:2FTS	170		60-200				4/13/24 0:27			
13C2-6:2FTS	107		60-200				4/13/24 0:27			
13C2-8:2FTS	66.7		50-200				4/13/24 0:27			
13C8-PFOSA	60.2		30-130				4/13/24 0:27			
D3-NMeFOSA	52.7		15-130				4/13/24 0:27			
D5-NEtFOSA	44.1		10-130				4/13/24 0:27			
D3-NMeFOSAA	77.2		45-200				4/13/24 0:27			
D5-NEtFOSAA	73.0		10-200				4/13/24 0:27			
D7-NMeFOSE	35.3		10-150				4/13/24 0:27			
D9-NEtFOSE	29.2		10-150				4/13/24 0:27			
13C3-HFPO-DA	57.0		25-160				4/13/24 0:27			

Project Location: Brewerton, NY

Date Received: 3/29/2024

Field Sample #: MW-14

Sample ID: 24C3586-03

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 3/28/2024 11:30

Work Order: 24C3586

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	4/1/24	4/1/24 13:55	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: DUP-20230328

Sampled: 3/28/2024 00:00

Sample ID: 24C3586-04

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)	5.4	4.2	2.3	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluoropentanoic acid (PFPeA)	1.4	2.1	0.45	ng/L	1	J	Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorohexanoic acid (PFHxA)	0.32	1.1	0.25	ng/L	1	J	Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.1	0.28	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorooctanoic acid (PFOA)	0.45	1.1	0.28	ng/L	1	J	Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorononanoic acid (PFNA)	ND	1.1	0.20	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorodecanoic acid (PFDA)	ND	1.1	0.22	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.1	0.21	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.1	0.21	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.1	0.31	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.1	0.27	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.1	0.22	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.1	0.27	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.1	0.29	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.1	0.35	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorooctanesulfonic acid (PFOS)	0.47	1.1	0.40	ng/L	1	J	Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.1	0.26	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.1	0.30	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.1	0.30	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.2	0.78	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.2	3.2	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.2	1.2	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.1	0.24	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.1	0.34	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.1	0.35	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.1	0.38	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.1	0.42	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	11	2.9	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	11	2.8	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.2	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	4.2	0.86	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.2	1.0	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
11Cl-PF3OUDS (F53B Major)	ND	4.2	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	11	2.3	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	53	12	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	53	10	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.1	0.37	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.1	0.58	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: DUP-20230328

Sampled: 3/28/2024 00:00

Sample ID: 24C3586-04

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	2.1	0.57	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.1	0.58	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:42	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	57.0		10-130				4/13/24 0:42			
13C5-PFPeA	65.1		35-150				4/13/24 0:42			
13C5-PFHxA	72.0		55-150				4/13/24 0:42			
13C4-PFHpA	64.3		55-150				4/13/24 0:42			
13C8-PFOA	71.6		60-140				4/13/24 0:42			
13C9-PFNA	66.8		55-140				4/13/24 0:42			
13C6-PFDA	67.1		50-140				4/13/24 0:42			
13C7-PFUnA	64.4		30-140				4/13/24 0:42			
13C2-PFDoA	54.4		10-150				4/13/24 0:42			
13C2-PFTeDA	35.9		10-130				4/13/24 0:42			
13C3-PFBS	69.3		55-150				4/13/24 0:42			
13C3-PFHxS	67.9		55-150				4/13/24 0:42			
13C8-PFOS	68.2		45-140				4/13/24 0:42			
13C2-4:2FTS	172		60-200				4/13/24 0:42			
13C2-6:2FTS	106		60-200				4/13/24 0:42			
13C2-8:2FTS	73.1		50-200				4/13/24 0:42			
13C8-PFOSA	58.8		30-130				4/13/24 0:42			
D3-NMeFOSA	50.8		15-130				4/13/24 0:42			
D5-NEtFOSA	44.9		10-130				4/13/24 0:42			
D3-NMeFOSAA	74.6		45-200				4/13/24 0:42			
D5-NEtFOSAA	70.8		10-200				4/13/24 0:42			
D7-NMeFOSE	34.6		10-150				4/13/24 0:42			
D9-NEtFOSE	28.5		10-150				4/13/24 0:42			
13C3-HFPO-DA	53.1		25-160				4/13/24 0:42			

Project Location: Brewerton, NY

Date Received: 3/29/2024

Field Sample #: DUP-20230328

Sample ID: 24C3586-04

Sample Matrix: Ground Water

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

Sample Description:

Sampled: 3/28/2024 00:00

Work Order: 24C3586

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	22	10	mg/L	1		Draft Method 1633	4/1/24	4/1/24 13:55	LL

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: Equipment Blank-20240328

Sampled: 3/28/2024 13:30

Sample ID: 24C3586-05

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	4.1	2.3	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.1	0.44	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.0	0.25	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.0	0.28	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorooctanoic acid (PFOA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorononanoic acid (PFNA)	ND	1.0	0.20	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorodecanoic acid (PFDA)	ND	1.0	0.21	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.0	0.21	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.0	0.21	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.0	0.31	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.0	0.22	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.0	0.27	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.0	0.29	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.0	0.34	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.0	0.40	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.0	0.26	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.1	0.77	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.1	3.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.1	1.2	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.0	0.24	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.0	0.34	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.0	0.35	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.0	0.37	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.0	0.41	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	10	2.8	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	10	2.8	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.1	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.1	0.85	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.1	1.0	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
11Cl-PF3OUDS (F53B Major)	ND	4.1	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	10	2.3	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	52	12	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	52	9.8	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.1	0.36	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.1	0.58	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: Equipment Blank-20240328

Sampled: 3/28/2024 13:30

Sample ID: 24C3586-05

Sample Matrix: Equipment Blank Water

Semivolatle 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	2.1	0.56	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.1	0.57	ng/L	1		Draft Method 1633	4/11/24	4/13/24 0:58	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	73.8		10-130				4/13/24 0:58			
13C5-PFPeA	72.5		35-150				4/13/24 0:58			
13C5-PFHxA	73.5		55-150				4/13/24 0:58			
13C4-PFHpA	67.8		55-150				4/13/24 0:58			
13C8-PFOA	76.2		60-140				4/13/24 0:58			
13C9-PFNA	68.9		55-140				4/13/24 0:58			
13C6-PFDA	75.0		50-140				4/13/24 0:58			
13C7-PFUnA	69.8		30-140				4/13/24 0:58			
13C2-PFDoA	70.1		10-150				4/13/24 0:58			
13C2-PFTeDA	65.8		10-130				4/13/24 0:58			
13C3-PFBS	76.6		55-150				4/13/24 0:58			
13C3-PFHxS	72.4		55-150				4/13/24 0:58			
13C8-PFOS	71.9		45-140				4/13/24 0:58			
13C2-4:2FTS	75.7		60-200				4/13/24 0:58			
13C2-6:2FTS	71.6		60-200				4/13/24 0:58			
13C2-8:2FTS	64.4		50-200				4/13/24 0:58			
13C8-PFOSA	64.9		30-130				4/13/24 0:58			
D3-NMeFOSA	65.4		15-130				4/13/24 0:58			
D5-NEtFOSA	64.3		10-130				4/13/24 0:58			
D3-NMeFOSAA	82.9		45-200				4/13/24 0:58			
D5-NEtFOSAA	78.0		10-200				4/13/24 0:58			
D7-NMeFOSE	67.7		10-150				4/13/24 0:58			
D9-NEtFOSE	65.8		10-150				4/13/24 0:58			
13C3-HFPO-DA	75.4		25-160				4/13/24 0:58			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: Field Blank-20240328

Sampled: 3/28/2024 13:45

Sample ID: 24C3586-06

Sample Matrix: Field Blank

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	4.1	2.2	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.44	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.0	0.25	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorooctanoic acid (PFOA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorononanoic acid (PFNA)	ND	1.0	0.19	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorodecanoic acid (PFDA)	ND	1.0	0.21	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.0	0.21	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.0	0.20	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.0	0.30	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorotetradecanoic acid (PFTeDA)	ND	1.0	0.27	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorobutanesulfonic acid (PFBS)	ND	1.0	0.22	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluoropentanesulfonic acid (PFPeS)	ND	1.0	0.26	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.0	0.29	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.0	0.34	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.0	0.39	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorononanesulfonic acid (PFNS)	ND	1.0	0.26	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorodecanesulfonic acid (PFDS)	ND	1.0	0.29	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorododecanesulfonic acid (PFDoS)	ND	1.0	0.30	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	4.1	0.76	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	4.1	3.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	4.1	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluorooctanesulfonamide (PFOSA)	ND	1.0	0.24	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
N-methyl perfluorooctanesulfonamide (NMeFOSA)	ND	1.0	0.34	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	1.0	0.35	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.0	0.37	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.0	0.41	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	ND	10	2.8	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	10	2.7	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	4.1	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	4.1	0.84	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
9Cl-PF3ONS (F53B Minor)	ND	4.1	0.99	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
11Cl-PF3OUDS (F53B Major)	ND	4.1	1.1	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	10	2.2	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	51	12	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	51	9.7	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.36	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	2.0	0.57	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24C3586

Date Received: 3/29/2024

Field Sample #: Field Blank-20240328

Sampled: 3/28/2024 13:45

Sample ID: 24C3586-06

Sample Matrix: Field Blank

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	0.55	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.56	ng/L	1		Draft Method 1633	4/11/24	4/13/24 1:14	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
13C4-PFBA	73.9		10-130				4/13/24 1:14			
13C5-PFPeA	71.9		35-150				4/13/24 1:14			
13C5-PFHxA	72.3		55-150				4/13/24 1:14			
13C4-PFHpA	67.1		55-150				4/13/24 1:14			
13C8-PFOA	75.0		60-140				4/13/24 1:14			
13C9-PFNA	70.7		55-140				4/13/24 1:14			
13C6-PFDA	68.5		50-140				4/13/24 1:14			
13C7-PFUnA	69.4		30-140				4/13/24 1:14			
13C2-PFDoA	64.1		10-150				4/13/24 1:14			
13C2-PFTeDA	75.5		10-130				4/13/24 1:14			
13C3-PFBS	73.8		55-150				4/13/24 1:14			
13C3-PFHxS	70.0		55-150				4/13/24 1:14			
13C8-PFOS	70.7		45-140				4/13/24 1:14			
13C2-4:2FTS	81.5		60-200				4/13/24 1:14			
13C2-6:2FTS	72.3		60-200				4/13/24 1:14			
13C2-8:2FTS	76.3		50-200				4/13/24 1:14			
13C8-PFOSA	67.0		30-130				4/13/24 1:14			
D3-NMeFOSA	60.6		15-130				4/13/24 1:14			
D5-NEtFOSA	60.7		10-130				4/13/24 1:14			
D3-NMeFOSAA	80.5		45-200				4/13/24 1:14			
D5-NEtFOSAA	77.1		10-200				4/13/24 1:14			
D7-NMeFOSE	64.6		10-150				4/13/24 1:14			
D9-NEtFOSE	59.8		10-150				4/13/24 1:14			
13C3-HFPO-DA	74.7		25-160				4/13/24 1:14			

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Sample Extraction Data**Draft Method 1633**

Lab Number [Field ID]	Batch	Initial [mL]	Date
24C3586-03 [MW-14]	B370001	50.0	04/01/24
24C3586-04 [DUP-20230328]	B370001	50.0	04/01/24

Draft Method 1633

Lab Number [Field ID]	Batch	Initial [mL]	Date
24C3586-01 [MW-10]	B370166	50.0	04/02/24
24C3586-02 [MW-11]	B370166	50.0	04/02/24

Prep Method:Draft Method 1621 **Analytical Method:**Draft Method 1633 **Leachates were extracted on 4/2/2024 per NO PREP in Batch B370166**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24C3586-01 [MW-10]	B370518	472	5.00	04/11/24
24C3586-02 [MW-11]	B370518	504	5.00	04/11/24
24C3586-03 [MW-14]	B370518	476	5.00	04/11/24
24C3586-04 [DUP-20230328]	B370518	476	5.00	04/11/24
24C3586-05 [Equipment Blank-20240328]	B370518	482	5.00	04/11/24
24C3586-06 [Field Blank-20240328]	B370518	489	5.00	04/11/24

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B370518 - Draft Method 1621										
Blank (B370518-BLK1)				Prepared: 04/11/24 Analyzed: 04/12/24						
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-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 (PFMBA)	ND	2.0	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L							
Surrogate: 13C4-PFBA	82.3		ng/L	99.1		83.1	10-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B370518 - Draft Method 1621
Blank (B370518-BLK1)

Prepared: 04/11/24 Analyzed: 04/12/24

Surrogate: 13C5-PFPeA	40.9		ng/L	49.6		82.5	35-150			
Surrogate: 13C5-PFHxA	20.3		ng/L	24.8		81.8	55-150			
Surrogate: 13C4-PFHpA	19.3		ng/L	24.8		77.9	55-150			
Surrogate: 13C8-PFOA	21.5		ng/L	24.8		86.7	60-140			
Surrogate: 13C9-PFNA	9.83		ng/L	12.4		79.4	55-140			
Surrogate: 13C6-PFDA	9.78		ng/L	12.4		79.0	50-140			
Surrogate: 13C7-PFUnA	9.94		ng/L	12.4		80.2	30-140			
Surrogate: 13C2-PFDoA	9.37		ng/L	12.4		75.6	10-150			
Surrogate: 13C2-PFTeDA	9.26		ng/L	12.4		74.7	10-130			
Surrogate: 13C3-PFBS	21.1		ng/L	24.8		85.2	55-150			
Surrogate: 13C3-PFHxS	20.1		ng/L	24.8		81.0	55-150			
Surrogate: 13C8-PFOS	20.3		ng/L	24.8		82.0	45-140			
Surrogate: 13C2-4:2FTS	44.3		ng/L	49.6		89.4	60-200			
Surrogate: 13C2-6:2FTS	38.5		ng/L	49.6		77.6	60-200			
Surrogate: 13C2-8:2FTS	35.8		ng/L	49.6		72.3	50-200			
Surrogate: 13C8-PFOA	17.6		ng/L	24.8		70.9	30-130			
Surrogate: D3-NMeFOSA	17.5		ng/L	24.8		70.5	15-130			
Surrogate: D5-NEtFOSA	17.4		ng/L	24.8		70.3	10-130			
Surrogate: D3-NMeFOSAA	43.7		ng/L	49.6		88.2	45-200			
Surrogate: D5-NEtFOSAA	40.7		ng/L	49.6		82.2	10-200			
Surrogate: D7-NMeFOSE	188		ng/L	248		75.8	10-150			
Surrogate: D9-NEtFOSE	186		ng/L	248		74.9	10-150			
Surrogate: 13C3-HFPO-DA	81.1		ng/L	99.1		81.8	25-160			

LCS (B370518-BS1)

Prepared: 04/11/24 Analyzed: 04/12/24

Perfluorobutanoic acid (PFBA)	101	3.9	ng/L	94.8		107	58-148			
Perfluoropentanoic acid (PFPeA)	50.6	2.0	ng/L	47.4		107	54-152			
Perfluorohexanoic acid (PFHxA)	25.5	0.99	ng/L	23.7		108	55-152			
Perfluoroheptanoic acid (PFHpA)	24.6	0.99	ng/L	23.7		104	54-154			
Perfluorooctanoic acid (PFOA)	24.6	0.99	ng/L	23.7		104	52-161			
Perfluorononanoic acid (PFNA)	24.6	0.99	ng/L	23.7		104	59-149			
Perfluorodecanoic acid (PFDA)	25.7	0.99	ng/L	23.7		109	52-147			
Perfluoroundecanoic acid (PFUnA)	27.0	0.99	ng/L	23.7		114	48-159			
Perfluorododecanoic acid (PFDoA)	25.9	0.99	ng/L	23.7		109	64-142			
Perfluorotridecanoic acid (PFTTrDA)	25.0	0.99	ng/L	23.7		106	49-148			
Perfluorotetradecanoic acid (PFTeDA)	25.1	0.99	ng/L	23.7		106	47-161			
Perfluorobutanesulfonic acid (PFBS)	22.3	0.99	ng/L	21.0		106	62-144			
Perfluoropentanesulfonic acid (PFPeS)	24.1	0.99	ng/L	22.3		108	59-151			
Perfluorohexanesulfonic acid (PFHxS)	21.2	0.99	ng/L	21.7		97.7	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	24.8	0.99	ng/L	22.6		110	55-152			
Perfluorooctanesulfonic acid (PFOS)	21.9	0.99	ng/L	22.0		99.8	58-149			
Perfluorononanesulfonic acid (PFNS)	23.5	0.99	ng/L	22.8		103	52-148			
Perfluorodecanesulfonic acid (PFDS)	23.3	0.99	ng/L	22.9		102	51-147			
Perfluorododecanesulfonic acid (PFDoS)	22.6	0.99	ng/L	23.0		98.4	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	104	3.9	ng/L	88.9		117	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	109	3.9	ng/L	90.1		121	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	110	3.9	ng/L	91.2		121	63-152			
Perfluorooctanesulfonamide (PFOSA)	24.1	0.99	ng/L	23.7		102	61-148			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	24.6	0.99	ng/L	23.7		104	63-145			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B370518 - Draft Method 1621
LCS (B370518-BS1)

Prepared: 04/11/24 Analyzed: 04/12/24

N-ethyl perfluorooctanesulfonamide (NEtFOSA)	25.0	0.99	ng/L	23.7		105	65-139			
N-MeFOSAA (NMeFOSAA)	26.0	0.99	ng/L	23.7		110	58-144			
N-EtFOSAA (NEtFOSAA)	24.8	0.99	ng/L	23.7		105	59-146			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	281	9.9	ng/L	237		118	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	291	9.9	ng/L	237		123	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	127	3.9	ng/L	94.8		134	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	111	3.9	ng/L	89.5		124	68-146			
9Cl-PF3ONS (F53B Minor)	106	3.9	ng/L	88.9		119	56-156			
11Cl-PF3OUdS (F53B Major)	105	3.9	ng/L	89.5		118	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	207	9.9	ng/L	237		87.4	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	1040	49	ng/L	1180		87.7	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	967	49	ng/L	1180		81.6	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	48.3	2.0	ng/L	38.3		126	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	51.4	2.0	ng/L	43.1		119	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	56.3	2.0	ng/L	43.1		131	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	64.0	2.0	ng/L	43.1		149	48-161			
Surrogate: 13C4-PFBA	75.5		ng/L	98.7		76.4	10-130			
Surrogate: 13C5-PFPeA	37.0		ng/L	49.4		74.9	35-150			
Surrogate: 13C5-PFHxA	18.8		ng/L	24.7		76.0	55-150			
Surrogate: 13C4-PFHpA	17.6		ng/L	24.7		71.3	55-150			
Surrogate: 13C8-PFOA	19.4		ng/L	24.7		78.4	60-140			
Surrogate: 13C9-PFNA	9.40		ng/L	12.3		76.2	55-140			
Surrogate: 13C6-PFDA	9.01		ng/L	12.3		73.0	50-140			
Surrogate: 13C7-PFUnA	8.56		ng/L	12.3		69.4	30-140			
Surrogate: 13C2-PFDoA	8.18		ng/L	12.3		66.3	10-150			
Surrogate: 13C2-PFTeDA	8.10		ng/L	12.3		65.6	10-130			
Surrogate: 13C3-PFBS	19.1		ng/L	24.7		77.6	55-150			
Surrogate: 13C3-PFHxS	18.4		ng/L	24.7		74.7	55-150			
Surrogate: 13C8-PFOS	18.2		ng/L	24.7		73.7	45-140			
Surrogate: 13C2-4:2FTS	37.0		ng/L	49.4		74.9	60-200			
Surrogate: 13C2-6:2FTS	34.3		ng/L	49.4		69.5	60-200			
Surrogate: 13C2-8:2FTS	32.2		ng/L	49.4		65.3	50-200			
Surrogate: 13C8-PFOSA	16.6		ng/L	24.7		67.1	30-130			
Surrogate: D3-NMeFOSA	16.0		ng/L	24.7		64.8	15-130			
Surrogate: D5-NEtFOSA	16.4		ng/L	24.7		66.2	10-130			
Surrogate: D3-NMeFOSAA	40.6		ng/L	49.4		82.2	45-200			
Surrogate: D5-NEtFOSAA	38.5		ng/L	49.4		78.0	10-200			
Surrogate: D7-NMeFOSE	176		ng/L	247		71.4	10-150			
Surrogate: D9-NEtFOSE	170		ng/L	247		69.0	10-150			
Surrogate: 13C3-HFPO-DA	67.5		ng/L	98.7		68.3	25-160			

MRL Check (B370518-MRL1)

Prepared: 04/11/24 Analyzed: 04/12/24

Perfluorobutanoic acid (PFBA)	7.95	3.9	ng/L	7.84		101	44-157			
Perfluoropentanoic acid (PFPeA)	3.87	2.0	ng/L	3.92		98.8	57-148			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B370518 - Draft Method 1621
MRL Check (B370518-MRL1)

Prepared: 04/11/24 Analyzed: 04/12/24

Perfluorohexanoic acid (PFHxA)	1.85	0.98	ng/L	1.96		94.6	62-149			
Perfluoroheptanoic acid (PFHpA)	1.90	0.98	ng/L	1.96		97.1	56-150			
Perfluorooctanoic acid (PFOA)	1.87	0.98	ng/L	1.96		95.3	57-161			
Perfluorononanoic acid (PFNA)	1.87	0.98	ng/L	1.96		95.2	53-157			
Perfluorodecanoic acid (PFDA)	1.79	0.98	ng/L	1.96		91.4	43-158			
Perfluoroundecanoic acid (PFUnA)	1.85	0.98	ng/L	1.96		94.5	50-155			
Perfluorododecanoic acid (PFDoA)	1.88	0.98	ng/L	1.96		95.9	60-141			
Perfluorotridecanoic acid (PFTrDA)	1.75	0.98	ng/L	1.96		89.4	52-140			
Perfluorotetradecanoic acid (PFTeDA)	1.83	0.98	ng/L	1.96		93.3	52-156			
Perfluorobutanesulfonic acid (PFBS)	1.74	0.98	ng/L	1.74		100	63-145			
Perfluoropentanesulfonic acid (PFPeS)	1.74	0.98	ng/L	1.84		94.5	58-144			
Perfluorohexanesulfonic acid (PFHxS)	1.68	0.98	ng/L	1.79		93.8	44-158			
Perfluoroheptanesulfonic acid (PFHpS)	1.93	0.98	ng/L	1.87		103	51-150			
Perfluorooctanesulfonic acid (PFOS)	1.87	0.98	ng/L	1.82		103	43-162			
Perfluorononanesulfonic acid (PFNS)	1.56	0.98	ng/L	1.89		82.5	46-151			
Perfluorodecanesulfonic acid (PFDS)	1.72	0.98	ng/L	1.89		90.7	50-144			
Perfluorododecanesulfonic acid (PFDoS)	1.71	0.98	ng/L	1.90		90.1	30-138			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	7.55	3.9	ng/L	7.35		103	52-158			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	7.84	3.9	ng/L	7.45		105	48-158			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	7.85	3.9	ng/L	7.55		104	46-165			
Perfluorooctanesulfonamide (PFOSA)	1.75	0.98	ng/L	1.96		89.2	47-163			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	2.07	0.98	ng/L	1.96		105	54-155			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	2.10	0.98	ng/L	1.96		107	49-156			
N-MeFOSAA (NMeFOSAA)	1.80	0.98	ng/L	1.96		91.7	32-160			
N-EtFOSAA (NEtFOSAA)	1.77	0.98	ng/L	1.96		90.3	51-154			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	20.7	9.8	ng/L	19.6		105	56-151			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	21.0	9.8	ng/L	19.6		107	60-147			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.30	3.9	ng/L	7.84		93.1	58-154			
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	6.51	3.9	ng/L	7.40		88.0	61-148			
9Cl-PF3ONS (F53B Minor)	6.49	3.9	ng/L	7.35		88.3	44-167			
11Cl-PF3OUDS (F53B Major)	6.55	3.9	ng/L	7.40		88.5	36-158			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	15.1	9.8	ng/L	19.6		77.1	32-161			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	75.2	49	ng/L	98.0		76.7	39-156			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	69.0	49	ng/L	98.0		70.4	36-149			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	2.93	2.0	ng/L	3.49		83.8	56-144			
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.32	2.0	ng/L	3.92		84.7	48-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.50	2.0	ng/L	3.92		89.2	49-154			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.85	2.0	ng/L	3.92		98.3	47-160			
Surrogate: 13C4-PFBA	74.6		ng/L	98.0		76.1	10-130			
Surrogate: 13C5-PFPeA	35.9		ng/L	49.0		73.2	35-150			
Surrogate: 13C5-PFHxA	18.4		ng/L	24.5		74.9	55-150			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B370518 - Draft Method 1621
MRL Check (B370518-MRL1)

Prepared: 04/11/24 Analyzed: 04/12/24

Surrogate: 13C4-PFHpA	16.6		ng/L	24.5		67.8	55-150			
Surrogate: 13C8-PFOA	19.3		ng/L	24.5		78.8	60-140			
Surrogate: 13C9-PFNA	8.68		ng/L	12.3		70.9	55-140			
Surrogate: 13C6-PFDA	9.07		ng/L	12.3		74.0	50-140			
Surrogate: 13C7-PFUnA	8.49		ng/L	12.3		69.3	30-140			
Surrogate: 13C2-PFDoA	8.15		ng/L	12.3		66.5	10-150			
Surrogate: 13C2-PFTeDA	9.17		ng/L	12.3		74.9	10-130			
Surrogate: 13C3-PFBS	19.8		ng/L	24.5		80.7	55-150			
Surrogate: 13C3-PFHxS	19.0		ng/L	24.5		77.4	55-150			
Surrogate: 13C8-PFOS	17.7		ng/L	24.5		72.2	45-140			
Surrogate: 13C2-4:2FTS	43.6		ng/L	49.0		89.0	60-200			
Surrogate: 13C2-6:2FTS	39.5		ng/L	49.0		80.5	60-200			
Surrogate: 13C2-8:2FTS	33.5		ng/L	49.0		68.4	50-200			
Surrogate: 13C8-PFOSA	15.7		ng/L	24.5		64.0	30-130			
Surrogate: D3-NMeFOSA	15.4		ng/L	24.5		62.9	15-130			
Surrogate: D5-NEtFOSA	14.8		ng/L	24.5		60.4	10-130			
Surrogate: D3-NMeFOSAA	39.5		ng/L	49.0		80.6	45-200			
Surrogate: D5-NEtFOSAA	36.5		ng/L	49.0		74.4	10-200			
Surrogate: D7-NMeFOSE	158		ng/L	245		64.4	10-150			
Surrogate: D9-NEtFOSE	157		ng/L	245		64.2	10-150			
Surrogate: 13C3-HFPO-DA	74.5		ng/L	98.0		76.0	25-160			

Matrix Spike (B370518-MS1)

Source: 24C3586-03

Prepared: 04/11/24 Analyzed: 04/12/24

Perfluorobutanoic acid (PFBA)	110	4.1	ng/L	98.8	5.33	106	58-148			
Perfluoropentanoic acid (PFPeA)	52.8	2.1	ng/L	49.4	1.29	104	54-152			
Perfluorohexanoic acid (PFHxA)	26.4	1.0	ng/L	24.7	0.286	106	55-152			
Perfluoroheptanoic acid (PFHpA)	25.6	1.0	ng/L	24.7	ND	104	54-154			
Perfluorooctanoic acid (PFOA)	25.6	1.0	ng/L	24.7	0.492	102	52-161			
Perfluorononanoic acid (PFNA)	26.6	1.0	ng/L	24.7	ND	108	59-149			
Perfluorodecanoic acid (PFDA)	26.8	1.0	ng/L	24.7	ND	109	52-147			
Perfluoroundecanoic acid (PFUnA)	26.1	1.0	ng/L	24.7	ND	106	48-159			
Perfluorododecanoic acid (PFDoA)	25.0	1.0	ng/L	24.7	ND	101	64-142			
Perfluorotridecanoic acid (PFTrDA)	26.7	1.0	ng/L	24.7	ND	108	49-148			
Perfluorotetradecanoic acid (PFTeDA)	26.3	1.0	ng/L	24.7	ND	106	47-161			
Perfluorobutanesulfonic acid (PFBS)	22.6	1.0	ng/L	21.9	ND	103	62-144			
Perfluoropentanesulfonic acid (PFPeS)	25.5	1.0	ng/L	23.2	ND	110	59-151			
Perfluorohexanesulfonic acid (PFHxS)	21.9	1.0	ng/L	22.6	ND	97.1	57-146			
Perfluoroheptanesulfonic acid (PFHpS)	26.5	1.0	ng/L	23.5	ND	113	55-152			
Perfluorooctanesulfonic acid (PFOS)	22.8	1.0	ng/L	22.9	0.631	97.0	58-149			
Perfluorononanesulfonic acid (PFNS)	22.8	1.0	ng/L	23.8	ND	96.1	52-148			
Perfluorodecanesulfonic acid (PFDS)	20.5	1.0	ng/L	23.8	ND	86.1	51-147			
Perfluorododecanesulfonic acid (PFDoS)	13.5	1.0	ng/L	24.0	ND	56.3	36-145			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	104	4.1	ng/L	92.6	ND	113	67-146			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	110	4.1	ng/L	93.8	ND	117	61-151			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	115	4.1	ng/L	95.1	ND	121	63-152			
Perfluorooctanesulfonamide (PFOSA)	25.3	1.0	ng/L	24.7	ND	102	61-148			
N-methyl perfluorooctanesulfonamide (NMeFOSA)	25.0	1.0	ng/L	24.7	ND	101	63-145			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	25.4	1.0	ng/L	24.7	ND	103	65-139			
N-MeFOSAA (NMeFOSAA)	26.2	1.0	ng/L	24.7	ND	106	58-144			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B370518 - Draft Method 1621

Matrix Spike (B370518-MS1)		Source: 24C3586-03			Prepared: 04/11/24 Analyzed: 04/12/24					
N-EtFOSAA (NEtFOSAA)	26.1	1.0	ng/L	24.7	ND	106	59-146			
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	260	10	ng/L	247	ND	105	71-136			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	255	10	ng/L	247	ND	103	69-137			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	111	4.1	ng/L	98.8	ND	113	63-144			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	110	4.1	ng/L	93.2	ND	118	68-146			
9Cl-PF3ONS (F53B Minor)	98.3	4.1	ng/L	92.6	ND	106	56-156			
11Cl-PF3OUdS (F53B Major)	79.2	4.1	ng/L	93.2	ND	85.0	46-156			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	204	10	ng/L	247	ND	82.7	62-129			
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA) (5:3FTCA)	1350	51	ng/L	1230	ND	109	63-134			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	946	51	ng/L	1230	ND	76.6	50-138			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	44.0	2.1	ng/L	39.9	ND	110	56-151			
Perfluoro-3-methoxypropanoic acid (PFMPA)	47.8	2.1	ng/L	44.9	ND	107	51-145			
Perfluoro-4-methoxybutanoic acid (PFMBA)	56.3	2.1	ng/L	44.9	ND	125	55-148			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	43.8	2.1	ng/L	44.9	ND	97.7	48-161			
Surrogate: 13C4-PFBA	65.6		ng/L	103		63.8	10-130			
Surrogate: 13C5-PFPeA	34.1		ng/L	51.4		66.2	35-150			
Surrogate: 13C5-PFHxA	18.4		ng/L	25.7		71.7	55-150			
Surrogate: 13C4-PFHpA	16.4		ng/L	25.7		63.8	55-150			
Surrogate: 13C8-PFOA	19.3		ng/L	25.7		75.2	60-140			
Surrogate: 13C9-PFNA	8.78		ng/L	12.9		68.3	55-140			
Surrogate: 13C6-PFDA	8.55		ng/L	12.9		66.4	50-140			
Surrogate: 13C7-PFUnA	7.79		ng/L	12.9		60.6	30-140			
Surrogate: 13C2-PFDoA	6.76		ng/L	12.9		52.6	10-150			
Surrogate: 13C2-PFTeDA	4.53		ng/L	12.9		35.2	10-130			
Surrogate: 13C3-PFBS	19.0		ng/L	25.7		74.0	55-150			
Surrogate: 13C3-PFHxS	18.0		ng/L	25.7		70.0	55-150			
Surrogate: 13C8-PFOS	17.8		ng/L	25.7		69.1	45-140			
Surrogate: 13C2-4:2FTS	81.6		ng/L	51.4		159	60-200			
Surrogate: 13C2-6:2FTS	52.7		ng/L	51.4		102	60-200			
Surrogate: 13C2-8:2FTS	35.3		ng/L	51.4		68.6	50-200			
Surrogate: 13C8-PFOA	15.6		ng/L	25.7		60.7	30-130			
Surrogate: D3-NMeFOSA	13.5		ng/L	25.7		52.6	15-130			
Surrogate: D5-NEtFOSA	11.7		ng/L	25.7		45.3	10-130			
Surrogate: D3-NMeFOSAA	39.6		ng/L	51.4		77.0	45-200			
Surrogate: D5-NEtFOSAA	35.8		ng/L	51.4		69.6	10-200			
Surrogate: D7-NMeFOSE	92.6		ng/L	257		36.0	10-150			
Surrogate: D9-NEtFOSE	76.5		ng/L	257		29.8	10-150			
Surrogate: 13C3-HFPO-DA	61.3		ng/L	103		59.6	25-160			

Matrix Spike Dup (B370518-MSD1)		Source: 24C3586-03			Prepared: 04/11/24 Analyzed: 04/12/24					
Perfluorobutanoic acid (PFBA)	109	4.0	ng/L	96.2	5.33	108	58-148	1.15	20	
Perfluoropentanoic acid (PFPeA)	52.3	2.0	ng/L	48.1	1.29	106	54-152	0.958	20	
Perfluorohexanoic acid (PFHxA)	25.4	1.0	ng/L	24.0	0.286	104	55-152	3.89	25	
Perfluoroheptanoic acid (PFHpA)	25.2	1.0	ng/L	24.0	ND	105	54-154	1.60	25	
Perfluorooctanoic acid (PFOA)	26.2	1.0	ng/L	24.0	0.492	107	52-161	2.34	25	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B370518 - Draft Method 1621										
Matrix Spike Dup (B370518-MSD1)	Source: 24C3586-03			Prepared: 04/11/24 Analyzed: 04/12/24						
Perfluorononanoic acid (PFNA)	26.8	1.0	ng/L	24.0	ND	112	59-149	0.764	25	
Perfluorodecanoic acid (PFDA)	25.7	1.0	ng/L	24.0	ND	107	52-147	4.36	25	
Perfluoroundecanoic acid (PFUnA)	25.4	1.0	ng/L	24.0	ND	106	48-159	2.79	30	
Perfluorododecanoic acid (PFDoA)	25.2	1.0	ng/L	24.0	ND	105	64-142	0.746	25	
Perfluorotridecanoic acid (PFTTrDA)	25.9	1.0	ng/L	24.0	ND	108	49-148	3.02	25	
Perfluorotetradecanoic acid (PFTeDA)	25.0	1.0	ng/L	24.0	ND	104	47-161	5.08	25	
Perfluorobutanesulfonic acid (PFBS)	22.2	1.0	ng/L	21.3	ND	104	62-144	1.91	20	
Perfluoropentanesulfonic acid (PFPeS)	24.2	1.0	ng/L	22.6	ND	107	59-151	5.24	25	
Perfluorohexanesulfonic acid (PFHxS)	22.3	1.0	ng/L	22.0	ND	102	57-146	1.82	25	
Perfluoroheptanesulfonic acid (PFHpS)	25.6	1.0	ng/L	22.9	ND	112	55-152	3.51	25	
Perfluorooctanesulfonic acid (PFOS)	22.7	1.0	ng/L	22.3	0.631	99.0	58-149	0.541	20	
Perfluorononanesulfonic acid (PFNS)	23.0	1.0	ng/L	23.1	ND	99.4	52-148	0.720	25	
Perfluorodecanesulfonic acid (PFDS)	19.5	1.0	ng/L	23.2	ND	83.9	51-147	5.30	25	
Perfluorododecanesulfonic acid (PFDoS)	12.1	1.0	ng/L	23.3	ND	51.7	36-145	11.2	30	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	103	4.0	ng/L	90.2	ND	115	67-146	0.885	25	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	107	4.0	ng/L	91.4	ND	117	61-151	2.99	30	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	115	4.0	ng/L	92.6	ND	124	63-152	0.166	30	
Perfluorooctanesulfonamide (PFOSA)	25.5	1.0	ng/L	24.0	ND	106	61-148	0.690	20	
N-methyl perfluorooctanesulfonamide (NMeFOSA)	25.3	1.0	ng/L	24.0	ND	105	63-145	1.28	25	
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	25.7	1.0	ng/L	24.0	ND	107	65-139	0.989	25	
N-MeFOSAA (NMeFOSAA)	24.4	1.0	ng/L	24.0	ND	102	58-144	6.91	25	
N-EtFOSAA (NEtFOSAA)	25.2	1.0	ng/L	24.0	ND	105	59-146	3.53	25	
N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)	260	10	ng/L	240	ND	108	71-136	0.000610	20	
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	262	10	ng/L	240	ND	109	69-137	2.56	25	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	116	4.0	ng/L	96.2	ND	120	63-144	3.93	25	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	106	4.0	ng/L	90.8	ND	117	68-146	4.35	20	
9Cl-PF3ONS (F53B Minor)	94.4	4.0	ng/L	90.2	ND	105	56-156	4.05	30	
11Cl-PF3OUDS (F53B Major)	76.7	4.0	ng/L	90.8	ND	84.5	46-156	3.24	35	
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	218	10	ng/L	240	ND	90.9	62-129	6.79	20	
2H,2H,3H,3H-Perfluorooctanoic acid (FPePA)(5:3FTCA)	1410	50	ng/L	1200	ND	117	63-134	4.15	20	
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	956	50	ng/L	1200	ND	79.5	50-138	1.08	25	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	42.5	2.0	ng/L	38.9	ND	109	56-151	3.51	20	
Perfluoro-3-methoxypropanoic acid (PFMPA)	46.2	2.0	ng/L	43.7	ND	106	51-145	3.49	25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	55.6	2.0	ng/L	43.7	ND	127	55-148	1.22	20	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	41.2	2.0	ng/L	43.7	ND	94.3	48-161	6.17	35	
Surrogate: 13C4-PFBA	63.2		ng/L	100		63.1	10-130			
Surrogate: 13C5-PFPeA	31.9		ng/L	50.1		63.7	35-150			
Surrogate: 13C5-PFHxA	17.6		ng/L	25.0		70.4	55-150			
Surrogate: 13C4-PFHpA	15.6		ng/L	25.0		62.3	55-150			
Surrogate: 13C8-PFOA	18.4		ng/L	25.0		73.5	60-140			
Surrogate: 13C9-PFNA	8.52		ng/L	12.5		68.0	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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B370518 - Draft Method 1621
Matrix Spike Dup (B370518-MSD1)
Source: 24C3586-03

Prepared: 04/11/24 Analyzed: 04/12/24

Surrogate: 13C6-PFDA	8.47		ng/L	12.5		67.6	50-140			
Surrogate: 13C7-PFUnA	8.00		ng/L	12.5		63.9	30-140			
Surrogate: 13C2-PFDoA	6.75		ng/L	12.5		53.9	10-150			
Surrogate: 13C2-PFTeDA	4.44		ng/L	12.5		35.5	10-130			
Surrogate: 13C3-PFBS	17.7		ng/L	25.0		70.8	55-150			
Surrogate: 13C3-PFHxS	17.5		ng/L	25.0		69.8	55-150			
Surrogate: 13C8-PFOS	16.7		ng/L	25.0		66.8	45-140			
Surrogate: 13C2-4:2FTS	76.6		ng/L	50.1		153	60-200			
Surrogate: 13C2-6:2FTS	51.8		ng/L	50.1		103	60-200			
Surrogate: 13C2-8:2FTS	33.6		ng/L	50.1		67.2	50-200			
Surrogate: 13C8-PFOSA	14.5		ng/L	25.0		57.7	30-130			
Surrogate: D3-NMeFOSA	12.2		ng/L	25.0		48.7	15-130			
Surrogate: D5-NEtFOSA	10.4		ng/L	25.0		41.6	10-130			
Surrogate: D3-NMeFOSAA	37.3		ng/L	50.1		74.5	45-200			
Surrogate: D5-NEtFOSAA	34.9		ng/L	50.1		69.7	10-200			
Surrogate: D7-NMeFOSE	85.5		ng/L	250		34.1	10-150			
Surrogate: D9-NEtFOSE	70.8		ng/L	250		28.3	10-150			
Surrogate: 13C3-HFPO-DA	63.1		ng/L	100		62.9	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
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Batch B370001 - Draft Method 1633
Blank (B370001-BLK1)

Prepared & Analyzed: 04/01/24

Total Suspended Solids ND 5.0 mg/L

LCS (B370001-BS1)

Prepared & Analyzed: 04/01/24

Total Suspended Solids 157 5.0 mg/L 200 78.5 64.1-125

Batch B370166 - Draft Method 1633
Blank (B370166-BLK1)

Prepared & Analyzed: 04/02/24

Total Suspended Solids ND 5.0 mg/L

LCS (B370166-BS1)

Prepared & Analyzed: 04/02/24

Total Suspended Solids 144 5.0 mg/L 200 72.0 64.1-125

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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
PF-23	Qualifier ion ratio <50% of associated calibration. Detection is suspect.

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 (PFEEA)	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

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

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2024
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	09/6/2024
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024
WV	West Virginia DEP Division of Water and Waste Management	419	08/31/2024

Phone: 612-607-6400
Fax: 612-607-6344

<https://www.pacelabs.com/>

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

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2403586

Contact: <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>

Company Name: **Arcadis**

Address: 201 Fuller Rd, Ste 201, Albany, NY 12203

Phone: 518-250-7334

Project Name: Brewerton - Jack's Cleaners

Project Location: Brewerton, NY

Project Number: NYSDEC Lab Callout - Site # 734112

Project Manager: Stefan Bagnato (Arcadis) Stephanie Fitzgerald (NYSDEC)

Pace Analytical Quote Name/Number: NYSDEC Callout ID# 149566, Contract#

Invoice Recipient: Stephanie Fitzgerald (NYSDEC) C100913

Sampled By: B. Kudla-Williams

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	MW-10	3/28/24	1545		X	GW	
2	MW-11	3/28/24	1120		X	GW	
3	MW-14	3/28/24	1130		X	GW	
4	DUP-20230328	3/28/24	—		X	GW	
5	Equipment Blank-20240328	3/28/24	1330		X	W	
6	Field Blank-20240328	3/28/24	1345		X	W	
	Trip Blank	6/15/23	—		X	W	

Comments: MS/mad at MW-14

Deliverables to: Stefan Bagnato (Arcadis)
Stephanie Fitzgerald (NYSDEC)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 3/29/24 1700
Relinquished by: (signature)	Date/Time: 3/28/24 1700
Relinquished by: (signature)	Date/Time: 3/28/24 1700
Relinquished by: (signature)	Date/Time: 3/29/24 8:00
Relinquished by: (signature)	Date/Time: 3/29/24 10:50
Relinquished by: (signature)	Date/Time: 3-28-24 10:50

Program & Regulatory Information	
☐ AWQ STDS	☒ NY TOGS
☐ NYC Sewer Discharge	☐ NY CP-51
☐ Part 360 GW (Landfill)	
☐ NY Restricted Use	
☐ NY Unrestricted Use	
☐ NY Part 375	
Other: Asp Cat. B	

Enhanced Data Package	
☐ NYSDEC EQUIS EDD	
☒ EQUIS (Standard) EDD	
☐ NY Regulatory EDD	
☐ NY Regs Hits-Only EDD	
Other: Asp Cat. B	

Project Entity	Municipality	MWRA	WRTA	Other
☐ Government	☐ Municipality	☐ MWRA	☐ WRTA	☐ Chromatogram
☐ Federal	☐ 21 J	☐ School	☐ MBTA	☐ AIHA-LAP, LLC
☐ City	☐ Brownfield			

	DC#_ Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Arradis
 Project Jack's Cleaners
 MCP/RCP Required EQUS EDD
 Deliverable Package Requirement N/A ^{DW} Cat. B
 Location Brewerton, NY
 PWSID# (When Applicable) N/A
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time AAM 3/29 1050
 Back-Sheet By / Date / Time DWW 3/29 2004
 Temperature Method GUN # 6
 Temp X < 6° C Actual Temperature 3.8
 Rush Samples: Yes ☐ No ☒ Notify _____
 Short Hold: Yes ☐ No ☒ Notify _____

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☐
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒
All Samples Proper pH: <u>N/A</u>	☐	☐

Additional Container Notes

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

Qualtrax ID: 120836

Page 2 of 2

Sample	Soils Jars (Circle Amb/Clear)				Ambers				Plastics								VOA Vials						Other / Fill in						
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter		250mL		100mL	1 Liter			500mL		250mL					Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact	125 mL Plastic			
					Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH								Ammonium Acetate	NaOH/Zinc	
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DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

ANALYTICAL SERVICES

Pace

April 18, 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: 24D1669

Enclosed are results of analyses for samples as received by the laboratory on April 13, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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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: 4/18/2024

PURCHASE ORDER NUMBER: 149566

PROJECT NUMBER: 734112

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24D1669

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-1R	24D1669-01	Ground Water		SW-846 8260D	
MW-2	24D1669-02	Ground Water		SW-846 8260D	
MW-5	24D1669-03	Ground Water		SW-846 8260D	
MW-7	24D1669-04	Ground Water		SW-846 8260D	
MW-9	24D1669-05	Ground Water		SW-846 8260D	
MW-12	24D1669-06	Ground Water		SW-846 8260D	
MW-13	24D1669-07	Ground Water		SW-846 8260D	
MW-14BR	24D1669-08	Ground Water		SW-846 8260D	
MW-15	24D1669-09	Ground Water		SW-846 8260D	
MW-15BR	24D1669-10	Ground Water		SW-846 8260D	
MW-16	24D1669-11	Ground Water		SW-846 8260D	
MW-16BR	24D1669-12	Ground Water		SW-846 8260D	
MW-17	24D1669-13	Ground Water		SW-846 8260D	
MW-17BR	24D1669-14	Ground Water		SW-846 8260D	
IW-1	24D1669-15	Ground Water		SW-846 8260D	
IW-2	24D1669-16	Ground Water		SW-846 8260D	
IW-3	24D1669-17	Ground Water		SW-846 8260D	
IW-7	24D1669-18	Ground Water		SW-846 8260D	
IW-11	24D1669-19	Ground Water		SW-846 8260D	
IW-14	24D1669-20	Ground Water		SW-846 8260D	

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
SW-846 8260D

Qualifications:**MS-07A**

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.
Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**Methyl Acetate**

24D1669-05[MW-9], B371573-MS1, B371573-MSD1

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:**Dichlorodifluoromethane (Freon 12)**

B371573-MS1, B371573-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:**Acetone**

B371573-MS1

Trichlorofluoromethane (Freon 11)

B371573-MSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

24D1669-07[MW-13]

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:**2-Butanone (MEK)**

24D1669-01[MW-1R], 24D1669-02[MW-2], 24D1669-03[MW-5], 24D1669-04[MW-7], 24D1669-05[MW-9], 24D1669-06[MW-12], 24D1669-07[MW-13], 24D1669-08[MW-14BR], 24D1669-09[MW-15], 24D1669-10[MW-15BR], 24D1669-11[MW-16], 24D1669-12[MW-16BR], 24D1669-13[MW-17], 24D1669-14[MW-17BR], 24D1669-15[IW-1], 24D1669-16[IW-2], 24D1669-17[IW-3], 24D1669-18[IW-7], 24D1669-19[IW- 11], 24D1669-20[IW-14], B371573-BLK1, B371573-BS1, B371573-BSD1, B371573-MS1, B371573-MSD1, S103351-CCV1

Acetone

24D1669-01[MW-1R], 24D1669-02[MW-2], 24D1669-03[MW-5], 24D1669-04[MW-7], 24D1669-05[MW-9], 24D1669-06[MW-12], 24D1669-07[MW-13], 24D1669-08[MW-14BR], 24D1669-09[MW-15], 24D1669-10[MW-15BR], 24D1669-11[MW-16], 24D1669-12[MW-16BR], 24D1669-13[MW-17], 24D1669-14[MW-17BR], 24D1669-15[IW-1], 24D1669-16[IW-2], 24D1669-17[IW-3], 24D1669-18[IW-7], 24D1669-19[IW- 11], 24D1669-20[IW-14], B371573-BLK1, B371573-BS1, B371573-BSD1, B371573-MS1, B371573-MSD1, S103351-CCV1

Ethanol

24D1669-01[MW-1R], 24D1669-02[MW-2], 24D1669-03[MW-5], 24D1669-04[MW-7], 24D1669-05[MW-9], 24D1669-06[MW-12], 24D1669-07[MW-13], 24D1669-08[MW-14BR], 24D1669-09[MW-15], 24D1669-10[MW-15BR], 24D1669-11[MW-16], 24D1669-12[MW-16BR], 24D1669-13[MW-17], 24D1669-14[MW-17BR], 24D1669-15[IW-1], 24D1669-16[IW-2], 24D1669-17[IW-3], 24D1669-18[IW-7], 24D1669-19[IW- 11], 24D1669-20[IW-14], B371573-BLK1, B371573-BS1, B371573-BSD1, B371573-MS1, B371573-MSD1, S103351-CCV1

Methyl Acetate

24D1669-01[MW-1R], 24D1669-02[MW-2], 24D1669-03[MW-5], 24D1669-04[MW-7], 24D1669-05[MW-9], 24D1669-06[MW-12], 24D1669-07[MW-13], 24D1669-08[MW-14BR], 24D1669-09[MW-15], 24D1669-10[MW-15BR], 24D1669-11[MW-16], 24D1669-12[MW-16BR], 24D1669-13[MW-17], 24D1669-14[MW-17BR], 24D1669-15[IW-1], 24D1669-16[IW-2], 24D1669-17[IW-3], 24D1669-18[IW-7], 24D1669-19[IW- 11], 24D1669-20[IW-14], B371573-BLK1, B371573-BS1, B371573-BSD1, B371573-MS1, B371573-MSD1, S103351-CCV1

tert-Amyl Alcohol (TAA)

24D1669-01[MW-1R], 24D1669-02[MW-2], 24D1669-03[MW-5], 24D1669-04[MW-7], 24D1669-05[MW-9], 24D1669-06[MW-12], 24D1669-07[MW-13], 24D1669-08[MW-14BR], 24D1669-09[MW-15], 24D1669-10[MW-15BR], 24D1669-11[MW-16], 24D1669-12[MW-16BR], 24D1669-13[MW-17], 24D1669-14[MW-17BR], 24D1669-15[IW-1], 24D1669-16[IW-2], 24D1669-17[IW-3], 24D1669-18[IW-7], 24D1669-19[IW- 11], 24D1669-20[IW-14], B371573-BLK1, B371573-BS1, B371573-BSD1, B371573-MS1, B371573-MSD1, S103351-CCV1

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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:**Dichlorodifluoromethane (Freon 12)**

B371573-BS1, B371573-BSD1, B371573-MS1, B371573-MSD1, S103351-CCV1

Trichlorofluoromethane (Freon 11)

B371573-BS1, B371573-BSD1, B371573-MS1, B371573-MSD1, S103351-CCV1

V-36

Initial calibration verification (ICV) 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:**Methyl Acetate**

B371573-BS1, B371573-BSD1, B371573-MS1, B371573-MSD1, S103351-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: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-1R

Sampled: 4/12/2024 12:45

Sample ID: 24D1669-01

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	7.6	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 11:27	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 11:27	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
2-Butanone (MEK)	1.7	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 11:27	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,1-Dichloroethane	0.46	1.0	0.15	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
cis-1,2-Dichloroethylene	50	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
trans-1,2-Dichloroethylene	0.63	1.0	0.16	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 11:27	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Sampled: 4/12/2024 12:45

Field Sample #: MW-1R

Sample ID: 24D1669-01

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Tetrachloroethylene	0.95	1.0	0.17	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Toluene	0.21	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Trichloroethylene	4.8	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Vinyl Chloride	15	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:27	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.0		70-130				4/17/24 11:27			
Toluene-d8	102		70-130				4/17/24 11:27			
4-Bromofluorobenzene	103		70-130				4/17/24 11:27			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-2

Sampled: 4/12/2024 12:35

Sample ID: 24D1669-02

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	7.7	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 11:53	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 11:53	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
2-Butanone (MEK)	1.5	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 11:53	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
cis-1,2-Dichloroethylene	1.0	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 11:53	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-2

Sampled: 4/12/2024 12:35

Sample ID: 24D1669-02

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Tetrachloroethylene	13	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Trichloroethylene	1.1	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 11:53	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.3		70-130				4/17/24 11:53			
Toluene-d8	100		70-130				4/17/24 11:53			
4-Bromofluorobenzene	104		70-130				4/17/24 11:53			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-5

Sampled: 4/12/2024 12:55

Sample ID: 24D1669-03

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	8.0	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 12:19	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 12:19	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 12:19	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 12:19	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-5

Sampled: 4/12/2024 12:55

Sample ID: 24D1669-03

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Toluene	0.12	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:19	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.8		70-130				4/17/24 12:19			
Toluene-d8	98.8		70-130				4/17/24 12:19			
4-Bromofluorobenzene	104		70-130				4/17/24 12:19			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-7

Sampled: 4/12/2024 09:40

Sample ID: 24D1669-04

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	7.2	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 12:44	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 12:44	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 12:44	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
cis-1,2-Dichloroethylene	4.2	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 12:44	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-7

Sampled: 4/12/2024 09:40

Sample ID: 24D1669-04

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Toluene	0.17	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Vinyl Chloride	15	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 12:44	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.3		70-130				4/17/24 12:44			
Toluene-d8	100		70-130				4/17/24 12:44			
4-Bromofluorobenzene	103		70-130				4/17/24 12:44			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-9

Sampled: 4/12/2024 12:10

Sample ID: 24D1669-05

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	9.1	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 13:10	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 13:10	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
2-Butanone (MEK)	1.5	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 13:10	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
cis-1,2-Dichloroethylene	18	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
trans-1,2-Dichloroethylene	0.38	1.0	0.16	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	MS-07A, V-05	SW-846 8260D	4/16/24	4/17/24 13:10	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-9

Sampled: 4/12/2024 12:10

Sample ID: 24D1669-05

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Trichloroethylene	1.7	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Vinyl Chloride	18	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:10	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.2		70-130				4/17/24 13:10			
Toluene-d8	100		70-130				4/17/24 13:10			
4-Bromofluorobenzene	101		70-130				4/17/24 13:10			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-12

Sampled: 4/12/2024 10:15

Sample ID: 24D1669-06

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	6.2	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 13:36	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 13:36	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 13:36	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Chloroethane	33	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
cis-1,2-Dichloroethylene	0.37	1.0	0.20	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 13:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 13:36	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-12

Sampled: 4/12/2024 10:15

Sample ID: 24D1669-06

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Toluene	0.12	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Trichloroethylene	0.41	1.0	0.17	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 13:36	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.2		70-130				4/17/24 13:36			
Toluene-d8	101		70-130				4/17/24 13:36			
4-Bromofluorobenzene	104		70-130				4/17/24 13:36			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-13

Sampled: 4/12/2024 12:00

Sample ID: 24D1669-07

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	24	500	20	µg/L	10	V-05, J	SW-846 8260D	4/16/24	4/17/24 19:38	EEH
tert-Amyl Alcohol (TAA)	ND	50	13	µg/L	10	V-05	SW-846 8260D	4/16/24	4/17/24 19:38	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	5.0	1.6	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.5	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Benzene	ND	10	1.4	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Bromochloromethane	ND	10	3.2	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Bromodichloromethane	ND	5.0	1.9	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Bromoform	ND	10	3.0	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Bromomethane	ND	20	15	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
2-Butanone (MEK)	ND	200	14	µg/L	10	V-05	SW-846 8260D	4/16/24	4/17/24 19:38	EEH
tert-Butyl Alcohol (TBA)	ND	200	34	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
n-Butylbenzene	ND	10	1.6	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
sec-Butylbenzene	ND	10	1.6	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
tert-Butylbenzene	ND	10	1.7	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.6	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Carbon Disulfide	ND	50	15	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Carbon Tetrachloride	ND	50	1.9	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Chlorobenzene	ND	10	1.8	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Chlorodibromomethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Chloroethane	ND	20	4.6	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Chloroform	ND	20	1.9	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Chloromethane	ND	20	5.0	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Cyclohexane	ND	50	18	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	6.3	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,2-Dibromoethane (EDB)	ND	5.0	1.3	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,2-Dichlorobenzene	ND	10	1.7	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,3-Dichlorobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,4-Dichlorobenzene	ND	10	1.7	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	2.0	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,1-Dichloroethane	ND	10	1.5	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,2-Dichloroethane	ND	10	1.3	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,1-Dichloroethylene	ND	10	1.8	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
cis-1,2-Dichloroethylene	320	10	2.0	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
trans-1,2-Dichloroethylene	4.5	10	1.6	µg/L	10	J	SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,2-Dichloropropane	ND	10	1.7	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
cis-1,3-Dichloropropene	ND	5.0	1.3	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
trans-1,3-Dichloropropene	ND	5.0	1.4	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Diisopropyl Ether (DIPE)	ND	5.0	1.7	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Ethanol	ND	500	200	µg/L	10	V-05	SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Ethylbenzene	ND	10	1.4	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
2-Hexanone (MBK)	ND	100	13	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Isopropylbenzene (Cumene)	ND	10	1.6	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
p-Isopropyltoluene (p-Cymene)	ND	10	1.6	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Methyl Acetate	ND	10	4.8	µg/L	10	V-05	SW-846 8260D	4/16/24	4/17/24 19:38	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-13

Sampled: 4/12/2024 12:00

Sample ID: 24D1669-07

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
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Methyl Cyclohexane	ND	10	1.3	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Methylene Chloride	ND	50	1.9	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	14	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Naphthalene	ND	20	2.5	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
n-Propylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Styrene	ND	10	1.3	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Tetrachloroethylene	780	10	1.7	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Toluene	ND	10	1.1	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,2,3-Trichlorobenzene	ND	50	2.2	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,2,4-Trichlorobenzene	ND	10	1.9	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,1,1-Trichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Trichloroethylene	340	10	1.7	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Trichlorofluoromethane (Freon 11)	ND	20	1.4	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,2,3-Trichloropropane	ND	20	2.7	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	1.6	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,2,4-Trimethylbenzene	ND	10	1.6	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
1,3,5-Trimethylbenzene	ND	10	1.7	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Vinyl Chloride	24	20	1.9	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
m+p Xylene	ND	20	2.5	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
o-Xylene	ND	10	1.6	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Xylenes (total)	ND	10	10	µg/L	10		SW-846 8260D	4/16/24	4/17/24 19:38	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.6		70-130				4/17/24 19:38			
Toluene-d8	100		70-130				4/17/24 19:38			
4-Bromofluorobenzene	103		70-130				4/17/24 19:38			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-14BR

Sampled: 4/12/2024 09:35

Sample ID: 24D1669-08

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	6.9	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 14:02	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:02	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Benzene	0.48	1.0	0.14	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:02	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
cis-1,2-Dichloroethylene	0.39	1.0	0.20	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 14:02	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:02	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-14BR

Sampled: 4/12/2024 09:35

Sample ID: 24D1669-08

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Toluene	0.67	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:02	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.8		70-130				4/17/24 14:02			
Toluene-d8	101		70-130				4/17/24 14:02			
4-Bromofluorobenzene	104		70-130				4/17/24 14:02			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-15

Sampled: 4/12/2024 11:35

Sample ID: 24D1669-09

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	6.3	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 14:27	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:27	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:27	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:27	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-15

Sampled: 4/12/2024 11:35

Sample ID: 24D1669-09

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Toluene	0.13	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:27	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.9		70-130				4/17/24 14:27			
Toluene-d8	99.6		70-130				4/17/24 14:27			
4-Bromofluorobenzene	104		70-130				4/17/24 14:27			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-15BR

Sampled: 4/12/2024 11:30

Sample ID: 24D1669-10

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	8.0	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 14:53	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:53	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
2-Butanone (MEK)	1.5	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 14:53	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
cis-1,2-Dichloroethylene	1.7	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 14:53	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-15BR

Sampled: 4/12/2024 11:30

Sample ID: 24D1669-10

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Tetrachloroethylene	0.40	1.0	0.17	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Trichloroethylene	0.67	1.0	0.17	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 14:53	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.0		70-130				4/17/24 14:53			
Toluene-d8	100		70-130				4/17/24 14:53			
4-Bromofluorobenzene	103		70-130				4/17/24 14:53			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-16

Sampled: 4/12/2024 10:45

Sample ID: 24D1669-11

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	6.4	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 15:19	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-16

Sampled: 4/12/2024 10:45

Sample ID: 24D1669-11

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.9		70-130				4/17/24 15:19			
Toluene-d8	100		70-130				4/17/24 15:19			
4-Bromofluorobenzene	103		70-130				4/17/24 15:19			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-16BR

Sampled: 4/12/2024 10:40

Sample ID: 24D1669-12

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	6.2	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 15:45	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 15:45	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Benzene	0.23	1.0	0.14	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 15:45	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 15:45	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-16BR

Sampled: 4/12/2024 10:40

Sample ID: 24D1669-12

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Toluene	0.13	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,2,4-Trimethylbenzene	0.17	1.0	0.16	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 15:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:45	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.3		70-130				4/17/24 15:45			
Toluene-d8	100		70-130				4/17/24 15:45			
4-Bromofluorobenzene	103		70-130				4/17/24 15:45			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-17

Sampled: 4/12/2024 10:10

Sample ID: 24D1669-13

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	6.4	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 16:11	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 16:11	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 16:11	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 16:11	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-17

Sampled: 4/12/2024 10:10

Sample ID: 24D1669-13

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Toluene	0.14	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:11	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.3		70-130				4/17/24 16:11			
Toluene-d8	101		70-130				4/17/24 16:11			
4-Bromofluorobenzene	103		70-130				4/17/24 16:11			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-17BR

Sampled: 4/12/2024 10:05

Sample ID: 24D1669-14

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	6.4	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 16:37	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 16:37	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 16:37	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 16:37	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-17BR

Sampled: 4/12/2024 10:05

Sample ID: 24D1669-14

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Toluene	0.15	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 16:37	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.1		70-130				4/17/24 16:37			
Toluene-d8	101		70-130				4/17/24 16:37			
4-Bromofluorobenzene	103		70-130				4/17/24 16:37			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-1

Sampled: 4/12/2024 11:15

Sample ID: 24D1669-15

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	8.6	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 17:03	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 17:03	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
2-Butanone (MEK)	1.6	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 17:03	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 17:03	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-1

Sampled: 4/12/2024 11:15

Sample ID: 24D1669-15

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Toluene	0.50	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:03	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	98.0		70-130				4/17/24 17:03			
Toluene-d8	101		70-130				4/17/24 17:03			
4-Bromofluorobenzene	103		70-130				4/17/24 17:03			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Sampled: 4/12/2024 11:10

Field Sample #: 1W-2

Sample ID: 24D1669-16

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	9.3	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 17:29	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 17:29	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
2-Butanone (MEK)	1.9	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 17:29	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 17:29	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-2

Sampled: 4/12/2024 11:10

Sample ID: 24D1669-16

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Toluene	0.61	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:29	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.4		70-130				4/17/24 17:29			
Toluene-d8	99.0		70-130				4/17/24 17:29			
4-Bromofluorobenzene	103		70-130				4/17/24 17:29			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-3

Sampled: 4/12/2024 10:55

Sample ID: 24D1669-17

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	6.4	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 17:54	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 17:54	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 17:54	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
cis-1,2-Dichloroethylene	0.29	1.0	0.20	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 17:54	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 17:54	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-3

Sampled: 4/12/2024 10:55

Sample ID: 24D1669-17

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Toluene	0.51	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 17:54	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.6		70-130				4/17/24 17:54			
Toluene-d8	99.9		70-130				4/17/24 17:54			
4-Bromofluorobenzene	105		70-130				4/17/24 17:54			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-7

Sampled: 4/12/2024 10:20

Sample ID: 24D1669-18

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	8.0	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 18:20	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 18:20	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Benzene	0.21	1.0	0.14	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
2-Butanone (MEK)	1.5	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 18:20	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
cis-1,2-Dichloroethylene	0.83	1.0	0.20	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 18:20	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 18:20	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-7

Sampled: 4/12/2024 10:20

Sample ID: 24D1669-18

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Tetrachloroethylene	0.21	1.0	0.17	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Toluene	0.24	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Trichloroethylene	0.45	1.0	0.17	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Vinyl Chloride	0.30	2.0	0.19	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 18:20	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:20	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.8		70-130				4/17/24 18:20			
Toluene-d8	99.4		70-130				4/17/24 18:20			
4-Bromofluorobenzene	103		70-130				4/17/24 18:20			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-11

Sampled: 4/12/2024 10:25

Sample ID: 24D1669-19

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	7.4	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 18:46	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 18:46	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 18:46	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
cis-1,2-Dichloroethylene	0.38	1.0	0.20	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 18:46	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 18:46	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-11

Sampled: 4/12/2024 10:25

Sample ID: 24D1669-19

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Toluene	0.25	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,2,4-Trimethylbenzene	0.17	1.0	0.16	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 18:46	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 18:46	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.0		70-130				4/17/24 18:46			
Toluene-d8	101		70-130				4/17/24 18:46			
4-Bromofluorobenzene	104		70-130				4/17/24 18:46			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-14

Sampled: 4/12/2024 10:00

Sample ID: 24D1669-20

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	8.0	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 19:12	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 19:12	EEH
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Benzene	0.83	1.0	0.14	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 19:12	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
cis-1,2-Dichloroethylene	1.3	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Ethanol	ND	50	20	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 19:12	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: 1W-14

Sampled: 4/12/2024 10:00

Sample ID: 24D1669-20

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Methyl Cyclohexane	0.21	1.0	0.13	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Toluene	1.2	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Vinyl Chloride	0.32	2.0	0.19	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 19:12	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 19:12	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.3		70-130				4/17/24 19:12			
Toluene-d8	100		70-130				4/17/24 19:12			
4-Bromofluorobenzene	104		70-130				4/17/24 19:12			

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Sample Extraction Data**Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24D1669-01 [MW-1R]	B371573	5	5.00	04/16/24
24D1669-02 [MW-2]	B371573	5	5.00	04/16/24
24D1669-03 [MW-5]	B371573	5	5.00	04/16/24
24D1669-04 [MW-7]	B371573	5	5.00	04/16/24
24D1669-05 [MW-9]	B371573	5	5.00	04/16/24
24D1669-06 [MW-12]	B371573	5	5.00	04/16/24
24D1669-07 [MW-13]	B371573	0.5	5.00	04/16/24
24D1669-08 [MW-14BR]	B371573	5	5.00	04/16/24
24D1669-09 [MW-15]	B371573	5	5.00	04/16/24
24D1669-10 [MW-15BR]	B371573	5	5.00	04/16/24
24D1669-11 [MW-16]	B371573	5	5.00	04/16/24
24D1669-12 [MW-16BR]	B371573	5	5.00	04/16/24
24D1669-13 [MW-17]	B371573	5	5.00	04/16/24
24D1669-14 [MW-17BR]	B371573	5	5.00	04/16/24
24D1669-15 [IW-1]	B371573	5	5.00	04/16/24
24D1669-16 [IW-2]	B371573	5	5.00	04/16/24
24D1669-17 [IW-3]	B371573	5	5.00	04/16/24
24D1669-18 [IW-7]	B371573	5	5.00	04/16/24
24D1669-19 [IW-11]	B371573	5	5.00	04/16/24
24D1669-20 [IW-14]	B371573	5	5.00	04/16/24

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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 B371573 - SW-846 5030B										
Blank (B371573-BLK1)										
Prepared: 04/16/24 Analyzed: 04/17/24										
Acetone	ND	50	µg/L							V-05
tert-Amyl Alcohol (TAA)	ND	5.0	µg/L							V-05
tert-Amyl Ethyl Ether (TAEE)	ND	0.50	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	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							V-05
tert-Butyl Alcohol (TBA)	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							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	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							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
Ethanol	ND	50	µg/L							V-05
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05
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							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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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 B371573 - SW-846 5030B
Blank (B371573-BLK1)

Prepared: 04/16/24 Analyzed: 04/17/24

Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
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	24.0		µg/L	25.0		96.2	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			

LCS (B371573-BS1)

Prepared: 04/16/24 Analyzed: 04/17/24

Acetone	71.6	50	µg/L	100		71.6	70-160			V-05 †
tert-Amyl Alcohol (TAA)	72.6	5.0	µg/L	100		72.6	70-130			V-05
tert-Amyl Ethyl Ether (TAE)	9.03	0.50	µg/L	10.0		90.3	70-130			
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0		104	70-130			
Benzene	10.2	1.0	µg/L	10.0		102	70-130			
Bromochloromethane	8.70	1.0	µg/L	10.0		87.0	70-130			
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130			
Bromoform	9.87	1.0	µg/L	10.0		98.7	70-130			
Bromomethane	10.6	2.0	µg/L	10.0		106	40-160			†
2-Butanone (MEK)	78.2	20	µg/L	100		78.2	40-160		V-05	†
tert-Butyl Alcohol (TBA)	80.9	20	µg/L	100		80.9	40-160			†
n-Butylbenzene	9.24	1.0	µg/L	10.0		92.4	70-130			
sec-Butylbenzene	9.49	1.0	µg/L	10.0		94.9	70-130			
tert-Butylbenzene	9.74	1.0	µg/L	10.0		97.4	70-130			
tert-Butyl Ethyl Ether (TBEE)	8.93	0.50	µg/L	10.0		89.3	70-130			
Carbon Disulfide	79.6	5.0	µg/L	100		79.6	70-130			
Carbon Tetrachloride	11.5	5.0	µg/L	10.0		115	70-130			
Chlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroethane	9.58	2.0	µg/L	10.0		95.8	70-130			
Chloroform	10.9	2.0	µg/L	10.0		109	70-130			
Chloromethane	9.24	2.0	µg/L	10.0		92.4	40-160			†
Cyclohexane	8.75	5.0	µg/L	10.0		87.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.28	5.0	µg/L	10.0		92.8	70-130			
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130			
1,2-Dichlorobenzene	9.37	1.0	µg/L	10.0		93.7	70-130			
1,3-Dichlorobenzene	9.28	1.0	µg/L	10.0		92.8	70-130			
1,4-Dichlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130			
Dichlorodifluoromethane (Freon 12)	12.4	2.0	µg/L	10.0		124	40-160		V-20	†
1,1-Dichloroethane	9.52	1.0	µg/L	10.0		95.2	70-130			
1,2-Dichloroethane	9.38	1.0	µg/L	10.0		93.8	70-130			

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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 B371573 - SW-846 5030B
LCS (B371573-BS1)

Prepared: 04/16/24 Analyzed: 04/17/24

1,1-Dichloroethylene	9.90	1.0	µg/L	10.0		99.0	70-130			
cis-1,2-Dichloroethylene	9.28	1.0	µg/L	10.0		92.8	70-130			
trans-1,2-Dichloroethylene	9.06	1.0	µg/L	10.0		90.6	70-130			
1,2-Dichloropropane	9.62	1.0	µg/L	10.0		96.2	70-130			
cis-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
Diisopropyl Ether (DIPE)	8.65	0.50	µg/L	10.0		86.5	70-130			
Ethanol	71.2	50	µg/L	100		71.2	40-160			V-05
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	86.9	10	µg/L	100		86.9	70-160			†
Isopropylbenzene (Cumene)	9.88	1.0	µg/L	10.0		98.8	70-130			
p-Isopropyltoluene (p-Cymene)	9.55	1.0	µg/L	10.0		95.5	70-130			
Methyl Acetate	7.38	1.0	µg/L	10.0		73.8	70-130			V-05, V-36
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130			
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130			
Methylene Chloride	8.80	5.0	µg/L	10.0		88.0	70-130			
4-Methyl-2-pentanone (MIBK)	87.4	10	µg/L	100		87.4	70-160			†
Naphthalene	8.09	2.0	µg/L	10.0		80.9	40-130			†
n-Propylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130			
Styrene	9.67	1.0	µg/L	10.0		96.7	70-130			
1,1,2,2-Tetrachloroethane	9.84	0.50	µg/L	10.0		98.4	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	8.97	5.0	µg/L	10.0		89.7	70-130			
1,2,4-Trichlorobenzene	9.36	1.0	µg/L	10.0		93.6	70-130			
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
Trichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
Trichlorofluoromethane (Freon 11)	11.9	2.0	µg/L	10.0		119	70-130			V-20
1,2,3-Trichloropropane	10.1	2.0	µg/L	10.0		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130			
1,2,4-Trimethylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130			
1,3,5-Trimethylbenzene	9.96	1.0	µg/L	10.0		99.6	70-130			
Vinyl Chloride	8.22	2.0	µg/L	10.0		82.2	40-160			†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Xylenes (total)	30.3	1.0	µg/L	30.0		101	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.6		µg/L	25.0		94.2	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	26.1		µg/L	25.0		104	70-130			

LCS Dup (B371573-BSD1)

Prepared: 04/16/24 Analyzed: 04/17/24

Acetone	73.6	50	µg/L	100		73.6	70-160	2.73	25	V-05	†
tert-Amyl Alcohol (TAA)	75.2	5.0	µg/L	100		75.2	70-130	3.55	25	V-05	
tert-Amyl Ethyl Ether (TAEE)	9.07	0.50	µg/L	10.0		90.7	70-130	0.442	25		
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0		104	70-130	0.0961	25		
Benzene	10.4	1.0	µg/L	10.0		104	70-130	1.84	25		
Bromochloromethane	8.77	1.0	µg/L	10.0		87.7	70-130	0.801	25		
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130	1.44	25		
Bromoform	10.3	1.0	µg/L	10.0		103	70-130	3.97	25		
Bromomethane	11.1	2.0	µg/L	10.0		111	40-160	4.71	25		†
2-Butanone (MEK)	79.6	20	µg/L	100		79.6	40-160	1.79	25	V-05	†

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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 B371573 - SW-846 5030B										
LCS Dup (B371573-BSD1)										
Prepared: 04/16/24 Analyzed: 04/17/24										
tert-Butyl Alcohol (TBA)	84.3	20	µg/L	100		84.3	40-160	4.05	25	†
n-Butylbenzene	9.48	1.0	µg/L	10.0		94.8	70-130	2.56	25	
sec-Butylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130	2.09	25	
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130	3.13	25	
tert-Butyl Ethyl Ether (TBEE)	9.13	0.50	µg/L	10.0		91.3	70-130	2.21	25	
Carbon Disulfide	80.5	5.0	µg/L	100		80.5	70-130	1.06	25	
Carbon Tetrachloride	11.5	5.0	µg/L	10.0		115	70-130	0.609	25	
Chlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	0.300	25	
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130	1.20	25	
Chloroethane	9.61	2.0	µg/L	10.0		96.1	70-130	0.313	25	
Chloroform	11.2	2.0	µg/L	10.0		112	70-130	2.36	25	
Chloromethane	9.56	2.0	µg/L	10.0		95.6	40-160	3.40	25	†
Cyclohexane	8.81	5.0	µg/L	10.0		88.1	70-130	0.683	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.53	5.0	µg/L	10.0		95.3	70-130	2.66	25	
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130	1.12	25	
1,2-Dichlorobenzene	9.62	1.0	µg/L	10.0		96.2	70-130	2.63	25	
1,3-Dichlorobenzene	9.52	1.0	µg/L	10.0		95.2	70-130	2.55	25	
1,4-Dichlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130	0.00	25	
Dichlorodifluoromethane (Freon 12)	12.5	2.0	µg/L	10.0		125	40-160	1.29	25	V-20 †
1,1-Dichloroethane	9.62	1.0	µg/L	10.0		96.2	70-130	1.04	25	
1,2-Dichloroethane	9.42	1.0	µg/L	10.0		94.2	70-130	0.426	25	
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	1.40	25	
cis-1,2-Dichloroethylene	9.41	1.0	µg/L	10.0		94.1	70-130	1.39	25	
trans-1,2-Dichloroethylene	9.33	1.0	µg/L	10.0		93.3	70-130	2.94	25	
1,2-Dichloropropane	9.53	1.0	µg/L	10.0		95.3	70-130	0.940	25	
cis-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130	0.825	25	
trans-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130	0.732	25	
Diisopropyl Ether (DIPE)	8.72	0.50	µg/L	10.0		87.2	70-130	0.806	25	
Ethanol	73.5	50	µg/L	100		73.5	40-160	3.11	25	V-05
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	0.986	25	
2-Hexanone (MBK)	88.7	10	µg/L	100		88.7	70-160	2.02	25	†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130	2.20	25	
p-Isopropyltoluene (p-Cymene)	9.67	1.0	µg/L	10.0		96.7	70-130	1.25	25	
Methyl Acetate	7.63	1.0	µg/L	10.0		76.3	70-130	3.33	25	V-05, V-36
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130	0.286	25	
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130	1.43	25	
Methylene Chloride	8.75	5.0	µg/L	10.0		87.5	70-130	0.570	25	
4-Methyl-2-pentanone (MIBK)	89.1	10	µg/L	100		89.1	70-160	1.85	25	†
Naphthalene	8.27	2.0	µg/L	10.0		82.7	40-130	2.20	25	†
n-Propylbenzene	9.93	1.0	µg/L	10.0		99.3	70-130	2.45	25	
Styrene	9.78	1.0	µg/L	10.0		97.8	70-130	1.13	25	
1,1,2,2-Tetrachloroethane	9.63	0.50	µg/L	10.0		96.3	70-130	2.16	25	
Tetrachloroethylene	11.1	1.0	µg/L	10.0		111	70-130	3.78	25	
Toluene	10.7	1.0	µg/L	10.0		107	70-130	1.22	25	
1,2,3-Trichlorobenzene	9.01	5.0	µg/L	10.0		90.1	70-130	0.445	25	
1,2,4-Trichlorobenzene	9.69	1.0	µg/L	10.0		96.9	70-130	3.46	25	
1,1,1-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130	2.69	25	
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	1.97	25	
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	0.999	25	
Trichlorofluoromethane (Freon 11)	12.2	2.0	µg/L	10.0		122	70-130	2.49	25	V-20
1,2,3-Trichloropropane	10.4	2.0	µg/L	10.0		104	70-130	2.25	25	

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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 B371573 - SW-846 5030B										
LCS Dup (B371573-BSD1)										
Prepared: 04/16/24 Analyzed: 04/17/24										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	1.0	µg/L	10.0		111	70-130	1.09	25	
1,2,4-Trimethylbenzene	9.81	1.0	µg/L	10.0		98.1	70-130	1.13	25	
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.59	25	
Vinyl Chloride	8.63	2.0	µg/L	10.0		86.3	40-160	4.87	25	†
m+p Xylene	20.6	2.0	µg/L	20.0		103	70-130	2.90	25	
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	1.06	25	
Xylenes (total)	31.0	1.0	µg/L	30.0		103	0-200	2.28		
Surrogate: 1,2-Dichloroethane-d4	24.4		µg/L	25.0		97.5	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.0		104	70-130			
Matrix Spike (B371573-MS1)										
Source: 24D1669-05 Prepared: 04/16/24 Analyzed: 04/17/24										
Acetone	77.7	50	µg/L	100	9.06	68.7	* 70-130			MS-24, V-05
tert-Amyl Alcohol (TAA)	74.0	5.0	µg/L	100	ND	74.0	70-130			V-05
tert-Amyl Ethyl Ether (TAEE)	9.12	0.50	µg/L	10.0	ND	91.2	70-130			
tert-Amyl Methyl Ether (TAME)	10.2	0.50	µg/L	10.0	ND	102	70-130			
Benzene	10.8	1.0	µg/L	10.0	ND	108	70-130			
Bromochloromethane	9.10	1.0	µg/L	10.0	ND	91.0	70-130			
Bromodichloromethane	11.1	0.50	µg/L	10.0	ND	111	70-130			
Bromoform	9.82	1.0	µg/L	10.0	ND	98.2	70-130			
Bromomethane	9.26	2.0	µg/L	10.0	ND	92.6	70-130			
2-Butanone (MEK)	78.3	20	µg/L	100	1.50	76.8	70-130			V-05
tert-Butyl Alcohol (TBA)	83.1	20	µg/L	100	ND	83.1	70-130			
n-Butylbenzene	9.84	1.0	µg/L	10.0	ND	98.4	70-130			
sec-Butylbenzene	10.1	1.0	µg/L	10.0	ND	101	70-130			
tert-Butylbenzene	10.5	1.0	µg/L	10.0	ND	105	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.17	0.50	µg/L	10.0	ND	91.7	70-130			
Carbon Disulfide	85.0	5.0	µg/L	100	ND	85.0	70-130			
Carbon Tetrachloride	12.0	5.0	µg/L	10.0	ND	120	70-130			
Chlorobenzene	10.4	1.0	µg/L	10.0	ND	104	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0	ND	107	70-130			
Chloroethane	10.9	2.0	µg/L	10.0	ND	109	70-130			
Chloroform	11.4	2.0	µg/L	10.0	ND	114	70-130			
Chloromethane	9.81	2.0	µg/L	10.0	ND	98.1	70-130			
Cyclohexane	9.83	5.0	µg/L	10.0	ND	98.3	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.90	5.0	µg/L	10.0	ND	89.0	70-130			
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0	ND	108	70-130			
1,2-Dichlorobenzene	9.58	1.0	µg/L	10.0	ND	95.8	70-130			
1,3-Dichlorobenzene	9.66	1.0	µg/L	10.0	ND	96.6	70-130			
1,4-Dichlorobenzene	9.54	1.0	µg/L	10.0	ND	95.4	70-130			
Dichlorodifluoromethane (Freon 12)	14.2	2.0	µg/L	10.0	ND	142	* 70-130			MS-15, V-20
1,1-Dichloroethane	10.1	1.0	µg/L	10.0	ND	101	70-130			
1,2-Dichloroethane	9.75	1.0	µg/L	10.0	ND	97.5	70-130			
1,1-Dichloroethylene	10.8	1.0	µg/L	10.0	ND	108	70-130			
cis-1,2-Dichloroethylene	27.4	1.0	µg/L	10.0	17.7	96.4	70-130			
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0	0.380	96.6	70-130			
1,2-Dichloropropane	9.76	1.0	µg/L	10.0	ND	97.6	70-130			
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0	ND	104	70-130			
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0	ND	106	70-130			
Diisopropyl Ether (DIPE)	8.87	0.50	µg/L	10.0	ND	88.7	70-130			
Ethanol	78.7	50	µg/L	100	ND	78.7	70-130			V-05
Ethylbenzene	10.5	1.0	µg/L	10.0	ND	105	70-130			

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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 B371573 - SW-846 5030B

Matrix Spike (B371573-MS1)		Source: 24D1669-05			Prepared: 04/16/24 Analyzed: 04/17/24					
2-Hexanone (MBK)	87.0	10	µg/L	100	ND	87.0	70-130			
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0	ND	104	70-130			
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0	ND	102	70-130			
Methyl Acetate	6.26	1.0	µg/L	10.0	ND	62.6 *	70-130			MS-07A, V-05, V-36
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0	ND	104	70-130			
Methyl Cyclohexane	11.4	1.0	µg/L	10.0	ND	114	70-130			
Methylene Chloride	9.13	5.0	µg/L	10.0	ND	91.3	70-130			
4-Methyl-2-pentanone (MIBK)	87.7	10	µg/L	100	ND	87.7	70-130			
Naphthalene	7.89	2.0	µg/L	10.0	ND	78.9	70-130			
n-Propylbenzene	10.3	1.0	µg/L	10.0	ND	103	70-130			
Styrene	10.1	1.0	µg/L	10.0	ND	101	70-130			
1,1,2,2-Tetrachloroethane	9.74	0.50	µg/L	10.0	ND	97.4	70-130			
Tetrachloroethylene	11.6	1.0	µg/L	10.0	ND	116	70-130			
Toluene	11.1	1.0	µg/L	10.0	ND	111	70-130			
1,2,3-Trichlorobenzene	8.90	5.0	µg/L	10.0	ND	89.0	70-130			
1,2,4-Trichlorobenzene	9.51	1.0	µg/L	10.0	ND	95.1	70-130			
1,1,1-Trichloroethane	11.7	1.0	µg/L	10.0	ND	117	70-130			
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0	ND	108	70-130			
Trichloroethylene	13.2	1.0	µg/L	10.0	1.73	114	70-130			
Trichlorofluoromethane (Freon 11)	13.0	2.0	µg/L	10.0	ND	130	70-130			V-20
1,2,3-Trichloropropane	9.95	2.0	µg/L	10.0	ND	99.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0	1.0	µg/L	10.0	ND	120	70-130			
1,2,4-Trimethylbenzene	10.1	1.0	µg/L	10.0	ND	101	70-130			
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0	ND	104	70-130			
Vinyl Chloride	24.6	2.0	µg/L	10.0	17.6	70.3	70-130			
m+p Xylene	21.4	2.0	µg/L	20.0	ND	107	70-130			
o-Xylene	10.6	1.0	µg/L	10.0	ND	106	70-130			
Xylenes (total)	32.1	1.0	µg/L	30.0	ND	107	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.6		µg/L	25.0		94.4	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.0		104	70-130			

Matrix Spike Dup (B371573-MSD1)		Source: 24D1669-05			Prepared: 04/16/24 Analyzed: 04/17/24					
Acetone	81.1	50	µg/L	100	9.06	72.0	70-130	4.21	30	V-05
tert-Amyl Alcohol (TAA)	80.7	5.0	µg/L	100	ND	80.7	70-130	8.69	30	V-05
tert-Amyl Ethyl Ether (TAEE)	9.51	0.50	µg/L	10.0	ND	95.1	70-130	4.19	30	
tert-Amyl Methyl Ether (TAME)	11.0	0.50	µg/L	10.0	ND	110	70-130	7.09	30	
Benzene	11.2	1.0	µg/L	10.0	ND	112	70-130	4.37	30	
Bromochloromethane	9.47	1.0	µg/L	10.0	ND	94.7	70-130	3.98	30	
Bromodichloromethane	11.9	0.50	µg/L	10.0	ND	119	70-130	6.77	30	
Bromoform	9.62	1.0	µg/L	10.0	ND	96.2	70-130	2.06	30	
Bromomethane	10.7	2.0	µg/L	10.0	ND	107	70-130	14.4	30	
2-Butanone (MEK)	83.9	20	µg/L	100	1.50	82.4	70-130	6.97	30	V-05
tert-Butyl Alcohol (TBA)	88.0	20	µg/L	100	ND	88.0	70-130	5.66	30	
n-Butylbenzene	9.81	1.0	µg/L	10.0	ND	98.1	70-130	0.305	30	
sec-Butylbenzene	10.4	1.0	µg/L	10.0	ND	104	70-130	2.64	30	
tert-Butylbenzene	10.7	1.0	µg/L	10.0	ND	107	70-130	1.99	30	
tert-Butyl Ethyl Ether (TBEE)	9.71	0.50	µg/L	10.0	ND	97.1	70-130	5.72	30	
Carbon Disulfide	85.6	5.0	µg/L	100	ND	85.6	70-130	0.668	30	
Carbon Tetrachloride	12.4	5.0	µg/L	10.0	ND	124	70-130	2.86	30	
Chlorobenzene	10.6	1.0	µg/L	10.0	ND	106	70-130	2.38	30	

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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 B371573 - SW-846 5030B										
Matrix Spike Dup (B371573-MSD1)	Source: 24D1669-05			Prepared: 04/16/24 Analyzed: 04/17/24						
Chlorodibromomethane	11.1	0.50	µg/L	10.0	ND	111	70-130	3.12	30	
Chloroethane	11.3	2.0	µg/L	10.0	ND	113	70-130	2.88	30	
Chloroform	11.9	2.0	µg/L	10.0	ND	119	70-130	4.46	30	
Chloromethane	10.4	2.0	µg/L	10.0	ND	104	70-130	5.45	30	
Cyclohexane	10.2	5.0	µg/L	10.0	ND	102	70-130	3.20	30	
1,2-Dibromo-3-chloropropane (DBCP)	9.68	5.0	µg/L	10.0	ND	96.8	70-130	8.40	30	
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0	ND	112	70-130	3.92	30	
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0	ND	100	70-130	4.69	30	
1,3-Dichlorobenzene	9.82	1.0	µg/L	10.0	ND	98.2	70-130	1.64	30	
1,4-Dichlorobenzene	9.65	1.0	µg/L	10.0	ND	96.5	70-130	1.15	30	
Dichlorodifluoromethane (Freon 12)	14.4	2.0	µg/L	10.0	ND	144	* 70-130	0.910	30	MS-15, V-20
1,1-Dichloroethane	10.4	1.0	µg/L	10.0	ND	104	70-130	3.23	30	
1,2-Dichloroethane	10.0	1.0	µg/L	10.0	ND	100	70-130	2.83	30	
1,1-Dichloroethylene	11.0	1.0	µg/L	10.0	ND	110	70-130	2.11	30	
cis-1,2-Dichloroethylene	27.4	1.0	µg/L	10.0	17.7	96.7	70-130	0.110	30	
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0	0.380	99.7	70-130	3.04	30	
1,2-Dichloropropane	10.2	1.0	µg/L	10.0	ND	102	70-130	4.02	30	
cis-1,3-Dichloropropene	11.0	0.50	µg/L	10.0	ND	110	70-130	5.98	30	
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0	ND	109	70-130	2.51	30	
Diisopropyl Ether (DIPE)	9.40	0.50	µg/L	10.0	ND	94.0	70-130	5.80	30	
Ethanol	84.9	50	µg/L	100	ND	84.9	70-130	7.58	30	V-05
Ethylbenzene	10.8	1.0	µg/L	10.0	ND	108	70-130	3.38	30	
2-Hexanone (MBK)	91.7	10	µg/L	100	ND	91.7	70-130	5.24	30	
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0	ND	108	70-130	3.11	30	
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.0	ND	103	70-130	1.37	30	
Methyl Acetate	6.48	1.0	µg/L	10.0	ND	64.8	* 70-130	3.45	30	MS-07A, V-05, V-36
Methyl tert-Butyl Ether (MTBE)	10.9	1.0	µg/L	10.0	ND	109	70-130	4.99	30	
Methyl Cyclohexane	11.4	1.0	µg/L	10.0	ND	114	70-130	0.175	30	
Methylene Chloride	9.35	5.0	µg/L	10.0	ND	93.5	70-130	2.38	30	
4-Methyl-2-pentanone (MIBK)	93.4	10	µg/L	100	ND	93.4	70-130	6.28	30	
Naphthalene	8.37	2.0	µg/L	10.0	ND	83.7	70-130	5.90	30	
n-Propylbenzene	10.5	1.0	µg/L	10.0	ND	105	70-130	2.21	30	
Styrene	10.2	1.0	µg/L	10.0	ND	102	70-130	0.591	30	
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0	ND	101	70-130	3.23	30	
Tetrachloroethylene	11.7	1.0	µg/L	10.0	ND	117	70-130	0.947	30	
Toluene	11.6	1.0	µg/L	10.0	ND	116	70-130	4.67	30	
1,2,3-Trichlorobenzene	9.06	5.0	µg/L	10.0	ND	90.6	70-130	1.78	30	
1,2,4-Trichlorobenzene	9.53	1.0	µg/L	10.0	ND	95.3	70-130	0.210	30	
1,1,1-Trichloroethane	12.2	1.0	µg/L	10.0	ND	122	70-130	3.60	30	
1,1,2-Trichloroethane	11.3	1.0	µg/L	10.0	ND	113	70-130	4.54	30	
Trichloroethylene	13.6	1.0	µg/L	10.0	1.73	118	70-130	2.92	30	
Trichlorofluoromethane (Freon 11)	13.6	2.0	µg/L	10.0	ND	136	* 70-130	4.37	30	MS-24, V-20
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0	ND	105	70-130	5.57	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0	1.0	µg/L	10.0	ND	120	70-130	0.0836	30	
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0	ND	102	70-130	1.77	30	
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0	ND	106	70-130	1.24	30	
Vinyl Chloride	24.8	2.0	µg/L	10.0	17.6	72.2	70-130	0.769	30	
m+p Xylene	21.9	2.0	µg/L	20.0	ND	109	70-130	1.99	20	
o-Xylene	10.9	1.0	µg/L	10.0	ND	109	70-130	2.60	30	
Xylenes (total)	32.8	1.0	µg/L	30.0	ND	109	0-200	2.19		
Surrogate: 1,2-Dichloroethane-d4	24.8		µg/L	25.0		99.1	70-130			

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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 B371573 - SW-846 5030B

Matrix Spike Dup (B371573-MSD1)

Source: 24D1669-05

Prepared: 04/16/24 Analyzed: 04/17/24

Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.9		µg/L	25.0		104	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
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.
V-36	Initial calibration verification (ICV) 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.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
tert-Amyl Alcohol (TAA)	NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,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
Diisopropyl Ether (DIPE)	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

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
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
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/
CHAIN OF CUSTODY RECORD (New York)

Doc # 380 Rev 1_03242017

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 3

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: **Arcadis**

Address: 201 Fuller Rd, Ste 201, Albany, NY 12203

Phone: 518-250-7334

Project Name: **Brewerton - Jack's Cleaners**

Project Location: **Brewerton, NY**

Project Number: **NYSDEC Lab Callout - Site # 734112**

Project Manager: **Stephanie Fitzgerald (NYSDEC)**

Pace Analytical Quote Name/Number: **NYSDEC Callout ID# 49566, Contract #**

Invoice Recipient: **Stephanie Fitzgerald (NYSDEC)**

Sampled By: **B. Kudva-Williams**

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

Grab

Matrix Code

Conc Code

1

2

3

4

5

6

7

8

9

10

MW-1R

MW-2

MW-5

MW-7

MW-9

MW-12

MW-13

MW-14BR

MW-15

MW-15BR

4/12/24 1245

4/12/24 1235

4/12/24 1255

4/12/24 0940

4/12/24 1210

4/12/24 1015

4/12/24 1200

4/12/24 0935

4/12/24 1135

4/12/24 1130

Comments: **ms/mcd on MW-9**

**Bill to: NYSDEC
Callout ID# 49566
Contract # C100913**

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Date/Time:

04/12/24 1522

Date/Time:

4/12/24 1522

Date/Time:

4/12/24 1700

Date/Time:

4/13/24 10:30

Date/Time:

4/13/24 12:30

Date/Time:

4/13/24 1250

Deliverables to: **Stephanie Fitzgerald (NYSDEC)**

Program & Regulatory Information

AWQ STDS ☐ NY TOGS ☒ NY CP-51 ☐

NYC Sewer Discharge ☐ Part 360 GW (Landfill) ☐

NY Restricted Use ☐ NY Unrestricted Use ☐

NY Part 375 ☐

Other: **ASP Cat. B**

NELAC and AIHA-LAP, LLC Accredited

Project Entity

Government ☐ Federal ☐ City ☐

Municipality ☐ 21 J ☐ Brownfield ☐

MWRA ☐ School ☐ MBTA ☐

Chromatogram ☐ AIHA-LAP, LLC ☐

Other ☐



Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Enhanced Data Package

NYSDEC EQUIS EDD ☒

EQUIS (Standard) EDD ☐

NY Regulatory EDD ☐

NY Regs Hits-Only EDD ☐

Other: **ASP Cat. B**

NELAC and AIHA-LAP, LLC Accredited

Other ☐

Chromatogram ☐

AIHA-LAP, LLC ☐

Other ☐

Chromatogram ☐

AIHA-LAP, LLC ☐

1 Matrix Codes:

GW = Ground Water

WW = Waste Water

DW = Drinking Water

A = Air

S = Soil

SL = Sludge

SOL = Solid

O = Other (please define)

2 Preservation Codes:

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium Bisulfate

X = Sodium Hydroxide

T = Sodium Thiosulfate

O = Other (please define)

3 Container Codes:

A = Amber Glass

G = Glass

P = Plastic

ST = Sterile

V = Vial

S = Summa Canister

T = Tedlar Bag

O = Other (please define)

PCB ONLY

Soxhlet ☐

Non Soxhlet ☐

Contact: <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>

Company Name: **ARCADIS**
Address: **201 Fuller Rd, Ste 201, Albany, NY 12203**
Phone: **518-250-7334**
Project Name: **Brewerton-Jack's Cleaners**
Project Location: **Brewerton, NY**
Project Number: **NYDEC Lab Callout - Site # 734112**
Project Manager: **Stephanie Fitzgerald (NYDEC)**
Pace Analytical Quote Name/Number: **NYDEC Callout ID#149566, Contract # C100913**
Invoice Recipient: **Stephanie Fitzgerald (NYDEC)**
Sampled By: **B. Kudla-Williams**

Requested Turnaround Time: ☒ 7-Day ☐ 10-Day ☐ 15-Day

Due Date: _____

Analysis Requested: ☐ 1-Day ☐ 3-Day ☐ 4-Day

Format: ☐ PDF ☐ EXCEL ☐ Other: _____

CLP Like Data Pkg Required: ☐

Email To: _____

Fax To #: _____

Pace Analytical Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	AAW-16	4/12/24	1045		X	GW	
12	MW-16 BR	4/12/24	1040		X	GW	
13	MW-17	4/12/24	1010		X	GW	
14	MW-17 BR	4/12/24	1005		X	GW	
15	IW-1	4/12/24	1115		X	GW	
16	IW-2	4/12/24	1110		X	GW	
17	IW-3	4/12/24	1055		X	GW	
18	IW-7	4/12/24	1020		X	GW	
19	IW-11	4/12/24	1025		X	GW	
20	IW-14	4/12/24	1000		X	GW	

Comments:

Bill to: NYDEC
Callout ID#149566
Contract #C100913

Deliverables to: Stefan Bagnato (Arcadis)
Stephanie Fitzgerald (NYDEC)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *[Signature]* Date/Time: **4/12/24 1522**

Received by: (signature) *[Signature]* Date/Time: **4/12/24 1822**

Relinquished by: (signature) *[Signature]* Date/Time: **4/12/24 1700**

Received by: (signature) *[Signature]* Date/Time: **4/13/24 1030**

Relinquished by: (signature) *[Signature]* Date/Time: **4/13/24 1210**

Received by: (signature) *[Signature]* Date/Time: **4/13/24 1250**

Program & Regulatory Information

☐ AWQ STDS ☒ NY TOGS ☐ NY CP-51

☐ NYC Sewer Discharge ☐ Part 360 GW (Landfill)

☐ NY Restricted Use ☐ NY Unrestricted Use

☐ NY Part 375

Project Entity

☐ Government ☐ Municipality ☐ MWRA ☐ WRTA

☐ Federal ☐ 21 J ☐ School ☐ MBTA

☐ City ☐ Brownfield

Other: ☐ Chromatogram ☐ AIHA-LAP, LLC

Enhanced Data Package

☐ NYSDC EQUIS EDD ☒ EQUIS (Standard) EDD ☐ NY Regulatory EDD ☐ NY Regs Hits-Only EDD

Other: **ASP Cat. B**

NELAC and AIHA-LAP, LLC Accredited

Bottle Order Request

DEC-01-23 07:06:36

Bottle Order # 446391

Page 1 of 3

Acctnum : *CONTEST*
 Contact Name : *Dan Meadro*
 Projectnum : *734112*

Company : *Arcadis*
 Client PM : *Mr. Raymond McCarthy*
 Projectname : *Brewerton Jack's Cleaners*

Request date : *11/28/23*
 Order taken by : *Chantel Ouimette*

Status : *NEED*
 Linked Call :

Sample delivery date :
 Projected TAT :

Completed by :
 Date Completed :

Delivery method : *Courier*

Matrix : *WATER*

Samples : *35*

Analytes : *Volatile Organics - EPA 8260D*

2 Trip Blanks

Client IDs :

1

MW-1R
 MW-2
 MW-5
 MW-7
 MW-9
 MW-12
 MW-13
 MW-14
 MW-14BR
 MW-15
 MW-15BR
 MW-16
 MW-16BR
 MW-17
 MW-17BR
 IW-1
 IW-2
 IW-3
 IW-7
 IW-11
 IW-14
 IW-17
 IW-19
 IW-24
 IW-25
 IW-29
 IW-31
 DUP
 DUP
 MS

Container	Quantity	Analyte Label
Vial HCl preserved	2	8260

PLEASE PUT SAMPLES ON ICE
 EXCEPT CANISTER OR BAG SAMPLES



Bottle Order Request

DEC-01-23 07:06:36

Bottle Order # 446391

Page 2 of 3

Acctnum : *CONTEST*
 Contact Name : *Dan Meadro*
 Projectnum : *734112*

Company : *Arcadis*
 Client PM : *Mr. Raymond McCarthy*
 Projectname : *Brewerton Jack's Cleaners*

Request date : *11/28/23*
 Order taken by : *Chantel Ouimette*

Status : *NEED*
 Linked Call :

Sample delivery date :
 Projected TAT :

Completed by :

Delivery method : *Courier*

MS
 MSD
 MSD

Matrix : *WATER* # Samples : *7*
 Analytes : *PFAAs via EPA 1633 (Draft)*
Total Suspended Solids - SM 2540 (ug/l)

Client IDs :

2

MW-10
MW-11
MW-14

Container	Quantity	Analyte Label
<i>Plastic 120ml unpreserved</i>	<i>1</i>	<i>TSS-2540 - 125mL (QEC)</i>
<i>Plastic 500ml unpreserved</i>	<i>2</i>	<i>1633 (QEC)</i>

DUP
MS
MSD

Matrix : *WATER* # Samples : *1*
 Analytes : *PFAAs via EPA 1633 (Draft)*

Client IDs :

3

Equipment Blank

Container	Quantity	Analyte Label
<i>Plastic 500ml unpreserved</i>	<i>2</i>	<i>1633 (QEC)</i>
<i>Plastic 950ml unpreserved/H2O fill</i>	<i>2</i>	<i>1633 (QEC)</i>

Bottle Quantity Summary:

<i>Plastic 120ml unpreserved</i>	<i>7</i>
<i>Plastic 500ml unpreserved</i>	<i>16</i>
<i>Plastic 950ml unpreserved/H2O fill</i>	<i>2</i>
<i>Vial HCl preserved</i>	<i>70</i>

Trip Blanks and Miscellaneous Field Blanks:

<i>Vial HCl preserved</i>	<i>4</i>
---------------------------	----------

PLEASE PUT SAMPLES ON ICE
 EXCEPT CANISTER OR BAG SAMPLES



Bottle Order Request

DEC-01-23 07:06:36

Bottle Order # 446391

Page 3 of 3

Acctnum : *CONTEST*
Contact Name : *Dan Meadro*
Projectnum : *734112*

Company : *Arcadis*
Client PM : *Mr. Raymond McCarthy*
Projectname : *Brewerton Jack's Cleaners*

Request date : *11/28/23*
Order taken by : *Chantel Ouimette*

Status : *NEED*
Linked Call :

Sample delivery date :
Projected TAT :

Completed by :

Delivery method : *Courier*

Special Shipping Requirements

Cooler ☒ Dangerous Certified NJ Courier Return Shipping
Pickup Label Labels

Pending Shipping Date(s)
12/06/23

Include 1633 sampling instructions
include field blank water
SYR SC

If you have questions on this Bottle Order, need to order additional bottles or schedule a Sample pickup, please call a member of our Alpha team at .

**PLEASE PUT SAMPLES ON ICE
EXCEPT CANISTER OR BAG SAMPLES**



	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Arcadis
 Project 734112
 MCP/RCP Required NO
 Deliverable Package Requirement not all COC
 Location NY
 PWSID# (When Applicable) NA
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time GR 4/13/24 1250
 Back-Sheet By / Date / Time GR 4/13/24 1326
 Temperature Method gun # 6
 Temp < 6° C Actual Temperature 3.0
 Rush Samples: Yes / No Notify _____
 Short Hold: Yes / No Notify _____

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☐
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☐
All Samples Proper pH: <u>N/A</u>	☐	☐

Additional Container Notes

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

Qualtrax ID: 120836

Page 2 of 2

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

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

ANALYTICAL SERVICES

Pace

April 23, 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: 24D1671

Enclosed are results of analyses for samples as received by the laboratory on April 13, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Stephanie Fitzgerald

REPORT DATE: 4/23/2024

PURCHASE ORDER NUMBER: 149566

PROJECT NUMBER: 734112

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24D1671

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
IW-17	24D1671-01	Ground Water		SW-846 8260D	
IW-19	24D1671-02	Ground Water		SW-846 8260D	
IW-24	24D1671-03	Ground Water		SW-846 8260D	
IW-25	24D1671-04	Ground Water		SW-846 8260D	
IW-29	24D1671-05	Ground Water		SW-846 8260D	
IW-31	24D1671-06	Ground Water		SW-846 8260D	
DUP_20240412	24D1671-07	Ground Water		SW-846 8260D	
TRIP BLANK	24D1671-08	Trip Blank Water		SW-846 8260D	

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.

REVISED 4/23/24: 8260 REVISED TO REFLECT DER TCL LIST

SW-846 8260D

Qualifications:

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:**2-Butanone (MEK)**

24D1671-01[IW-17], 24D1671-02[IW-19], 24D1671-03[IW-24], 24D1671-04[IW-25], 24D1671-05[IW-29], 24D1671-06[IW-31], 24D1671-07[DUP_20240412], 24D1671-08[TRIP BLANK], B371572-BLK1, B371572-BS1, B371572-BSD1, S103345-CCV1

Acetone

24D1671-01[IW-17], 24D1671-02[IW-19], 24D1671-03[IW-24], 24D1671-04[IW-25], 24D1671-05[IW-29], 24D1671-06[IW-31], 24D1671-07[DUP_20240412], 24D1671-08[TRIP BLANK], B371572-BLK1, B371572-BS1, B371572-BSD1, S103345-CCV1

Carbon Disulfide

24D1671-01[IW-17], 24D1671-02[IW-19], 24D1671-03[IW-24], 24D1671-04[IW-25], 24D1671-05[IW-29], 24D1671-06[IW-31], 24D1671-07[DUP_20240412], 24D1671-08[TRIP BLANK], B371572-BLK1, B371572-BS1, B371572-BSD1, S103345-CCV1

Methyl Acetate

24D1671-01[IW-17], 24D1671-02[IW-19], 24D1671-03[IW-24], 24D1671-04[IW-25], 24D1671-05[IW-29], 24D1671-06[IW-31], 24D1671-07[DUP_20240412], 24D1671-08[TRIP BLANK], B371572-BLK1, B371572-BS1, B371572-BSD1, S103345-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:**Dichlorodifluoromethane (Freon 12)**

B371572-BS1, B371572-BSD1, S103345-CCV1

V-36

Initial calibration verification (ICV) 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:**Methyl Acetate**

B371572-BS1, B371572-BSD1, S103345-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: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-17

Sampled: 4/12/2024 09:55

Sample ID: 24D1671-01

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	6.7	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Benzene	1.0	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
2-Butanone (MEK)	1.5	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 3:45	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Chloroethane	0.58	2.0	0.46	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,1-Dichloroethane	0.26	1.0	0.15	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
cis-1,2-Dichloroethylene	2.4	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-17

Sampled: 4/12/2024 09:55

Sample ID: 24D1671-01

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
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Toluene	0.81	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Vinyl Chloride	1.3	2.0	0.19	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 3:45	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 3:45	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.5		70-130				4/17/24 3:45			
Toluene-d8	99.0		70-130				4/17/24 3:45			
4-Bromofluorobenzene	102		70-130				4/17/24 3:45			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-19

Sampled: 4/12/2024 09:50

Sample ID: 24D1671-02

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	V-05	SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Benzene	2.6	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
2-Butanone (MEK)	1.7	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 4:11	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Cyclohexane	4.3	5.0	1.8	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
cis-1,2-Dichloroethylene	0.30	1.0	0.20	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 4:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Methyl Cyclohexane	0.62	1.0	0.13	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-19

Sampled: 4/12/2024 09:50

Sample ID: 24D1671-02

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
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Toluene	1.1	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:11	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.2		70-130				4/17/24 4:11			
Toluene-d8	99.7		70-130				4/17/24 4:11			
4-Bromofluorobenzene	104		70-130				4/17/24 4:11			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-24

Sampled: 4/12/2024 09:20

Sample ID: 24D1671-03

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	7.1	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 4:37	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-24

Sampled: 4/12/2024 09:20

Sample ID: 24D1671-03

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
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Toluene	0.78	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,2,4-Trimethylbenzene	0.22	1.0	0.16	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 4:37	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 4:37	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.5		70-130				4/17/24 4:37			
Toluene-d8	101		70-130				4/17/24 4:37			
4-Bromofluorobenzene	105		70-130				4/17/24 4:37			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-25

Sampled: 4/12/2024 12:20

Sample ID: 24D1671-04

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	8.4	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Benzene	0.41	1.0	0.14	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
tert-Butylbenzene	0.25	1.0	0.17	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Cyclohexane	3.3	5.0	1.8	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
cis-1,2-Dichloroethylene	6.1	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
trans-1,2-Dichloroethylene	0.33	1.0	0.16	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Methyl Cyclohexane	0.38	1.0	0.13	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-25

Sampled: 4/12/2024 12:20

Sample ID: 24D1671-04

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
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Toluene	0.23	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Trichloroethylene	0.23	1.0	0.17	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Vinyl Chloride	1.0	2.0	0.19	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:03	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:03	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.5		70-130				4/17/24 5:03			
Toluene-d8	99.6		70-130				4/17/24 5:03			
4-Bromofluorobenzene	103		70-130				4/17/24 5:03			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-29

Sampled: 4/12/2024 12:25

Sample ID: 24D1671-05

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	8.0	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
2-Butanone (MEK)	1.8	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 5:29	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
cis-1,2-Dichloroethylene	0.53	1.0	0.20	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:29	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-29

Sampled: 4/12/2024 12:25

Sample ID: 24D1671-05

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
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Toluene	0.16	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Vinyl Chloride	0.32	2.0	0.19	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:29	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:29	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.3		70-130				4/17/24 5:29			
Toluene-d8	101		70-130				4/17/24 5:29			
4-Bromofluorobenzene	103		70-130				4/17/24 5:29			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-31

Sampled: 4/12/2024 13:05

Sample ID: 24D1671-06

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	9.1	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Benzene	0.19	1.0	0.14	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
2-Butanone (MEK)	1.6	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 5:55	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
cis-1,2-Dichloroethylene	2.3	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: 1W-31

Sampled: 4/12/2024 13:05

Sample ID: 24D1671-06

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
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Toluene	0.15	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Vinyl Chloride	1.9	2.0	0.19	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:55	EEH
m+p Xylene	0.37	2.0	0.25	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:55	EEH
o-Xylene	0.35	1.0	0.16	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 5:55	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	98.4		70-130				4/17/24 5:55			
Toluene-d8	101		70-130				4/17/24 5:55			
4-Bromofluorobenzene	104		70-130				4/17/24 5:55			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: DUP_20240412

Sampled: 4/12/2024 00:00

Sample ID: 24D1671-07

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	7.8	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
2-Butanone (MEK)	1.7	20	1.4	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/17/24 6:21	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
cis-1,2-Dichloroethylene	0.53	1.0	0.20	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 6:21	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: DUP_20240412

Sampled: 4/12/2024 00:00

Sample ID: 24D1671-07

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
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Toluene	0.16	1.0	0.11	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Vinyl Chloride	0.30	2.0	0.19	µg/L	1	J	SW-846 8260D	4/16/24	4/17/24 6:21	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 6:21	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.9		70-130				4/17/24 6:21			
Toluene-d8	100		70-130				4/17/24 6:21			
4-Bromofluorobenzene	103		70-130				4/17/24 6:21			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: TRIP BLANK

Sampled: 4/12/2024 00:00

Sample ID: 24D1671-08

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	2.4	50	2.0	µg/L	1	V-05, J	SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	V-05	SW-846 8260D	4/16/24	4/16/24 23:26	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1	V-05	SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Ethylbenzene	0.30	1.0	0.14	µg/L	1	J	SW-846 8260D	4/16/24	4/16/24 23:26	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	V-05	SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH

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Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1671

Date Received: 4/13/2024

Field Sample #: TRIP BLANK

Sampled: 4/12/2024 00:00

Sample ID: 24D1671-08

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
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Toluene	2.0	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,2,4-Trimethylbenzene	0.24	1.0	0.16	µg/L	1	J	SW-846 8260D	4/16/24	4/16/24 23:26	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
m+p Xylene	1.2	2.0	0.25	µg/L	1	J	SW-846 8260D	4/16/24	4/16/24 23:26	EEH
o-Xylene	0.33	1.0	0.16	µg/L	1	J	SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Xylenes (total)	1.2	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/16/24 23:26	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.2		70-130				4/16/24 23:26			
Toluene-d8	101		70-130				4/16/24 23:26			
4-Bromofluorobenzene	105		70-130				4/16/24 23:26			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24D1671-01 [IW-17]	B371572	5	5.00	04/16/24
24D1671-02 [IW-19]	B371572	5	5.00	04/16/24
24D1671-03 [IW-24]	B371572	5	5.00	04/16/24
24D1671-04 [IW-25]	B371572	5	5.00	04/16/24
24D1671-05 [IW-29]	B371572	5	5.00	04/16/24
24D1671-06 [IW-31]	B371572	5	5.00	04/16/24
24D1671-07 [DUP_20240412]	B371572	5	5.00	04/16/24
24D1671-08 [TRIP BLANK]	B371572	5	5.00	04/16/24

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
Batch B371572 - SW-846 5030B										
Blank (B371572-BLK1)				Prepared & Analyzed: 04/16/24						
Acetone	ND	50	µg/L							V-05
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							V-05
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							V-05
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							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05
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							
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							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							

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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 B371572 - SW-846 5030B										
Blank (B371572-BLK1)										
Prepared & Analyzed: 04/16/24										
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	24.0		µg/L	25.0		96.0	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			
LCS (B371572-BS1)										
Prepared & Analyzed: 04/16/24										
Acetone	72.2	50	µg/L	100		72.2	70-160			V-05 †
Benzene	10.2	1.0	µg/L	10.0		102	70-130			
Bromochloromethane	8.69	1.0	µg/L	10.0		86.9	70-130			
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130			
Bromoform	9.77	1.0	µg/L	10.0		97.7	70-130			
Bromomethane	10.4	2.0	µg/L	10.0		104	40-160			†
2-Butanone (MEK)	83.8	20	µg/L	100		83.8	40-160			V-05 †
n-Butylbenzene	9.13	1.0	µg/L	10.0		91.3	70-130			
sec-Butylbenzene	9.40	1.0	µg/L	10.0		94.0	70-130			
tert-Butylbenzene	9.73	1.0	µg/L	10.0		97.3	70-130			
Carbon Disulfide	79.8	5.0	µg/L	100		79.8	70-130			V-05
Carbon Tetrachloride	11.4	5.0	µg/L	10.0		114	70-130			
Chlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130			
Chloroethane	9.32	2.0	µg/L	10.0		93.2	70-130			
Chloroform	10.8	2.0	µg/L	10.0		108	70-130			
Chloromethane	8.86	2.0	µg/L	10.0		88.6	40-160			†
Cyclohexane	8.72	5.0	µg/L	10.0		87.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.70	5.0	µg/L	10.0		97.0	70-130			
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130			
1,2-Dichlorobenzene	9.31	1.0	µg/L	10.0		93.1	70-130			
1,3-Dichlorobenzene	9.34	1.0	µg/L	10.0		93.4	70-130			
1,4-Dichlorobenzene	9.34	1.0	µg/L	10.0		93.4	70-130			
Dichlorodifluoromethane (Freon 12)	12.6	2.0	µg/L	10.0		126	40-160			V-20 †
1,1-Dichloroethane	9.58	1.0	µg/L	10.0		95.8	70-130			
1,2-Dichloroethane	9.42	1.0	µg/L	10.0		94.2	70-130			
1,1-Dichloroethylene	9.59	1.0	µg/L	10.0		95.9	70-130			
cis-1,2-Dichloroethylene	9.31	1.0	µg/L	10.0		93.1	70-130			
trans-1,2-Dichloroethylene	9.09	1.0	µg/L	10.0		90.9	70-130			
1,2-Dichloropropane	9.30	1.0	µg/L	10.0		93.0	70-130			
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109	70-130			
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
2-Hexanone (MBK)	91.0	10	µg/L	100		91.0	70-160			†
Isopropylbenzene (Cumene)	10.0	1.0	µg/L	10.0		100	70-130			
p-Isopropyltoluene (p-Cymene)	9.48	1.0	µg/L	10.0		94.8	70-130			
Methyl Acetate	7.32	1.0	µg/L	10.0		73.2	70-130			V-05, V-36
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	8.59	5.0	µg/L	10.0		85.9	70-130			

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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 B371572 - SW-846 5030B
LCS (B371572-BS1)

Prepared & Analyzed: 04/16/24

4-Methyl-2-pentanone (MIBK)	90.9	10	µg/L	100		90.9	70-160			†
Naphthalene	8.36	2.0	µg/L	10.0		83.6	40-130			†
n-Propylbenzene	9.93	1.0	µg/L	10.0		99.3	70-130			
Styrene	9.88	1.0	µg/L	10.0		98.8	70-130			
1,1,2,2-Tetrachloroethane	9.77	0.50	µg/L	10.0		97.7	70-130			
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	9.11	5.0	µg/L	10.0		91.1	70-130			
1,2,4-Trichlorobenzene	9.21	1.0	µg/L	10.0		92.1	70-130			
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
Trichlorofluoromethane (Freon 11)	12.0	2.0	µg/L	10.0		120	70-130			
1,2,3-Trichloropropane	10.3	2.0	µg/L	10.0		103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130			
1,2,4-Trimethylbenzene	9.52	1.0	µg/L	10.0		95.2	70-130			
1,3,5-Trimethylbenzene	9.95	1.0	µg/L	10.0		99.5	70-130			
Vinyl Chloride	8.47	2.0	µg/L	10.0		84.7	40-160			†
m+p Xylene	20.4	2.0	µg/L	20.0		102	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Xylenes (total)	30.6	1.0	µg/L	30.0		102	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.5		µg/L	25.0		97.9	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			

LCS Dup (B371572-BS1)

Prepared & Analyzed: 04/16/24

Acetone	73.5	50	µg/L	100		73.5	70-160	1.74	25	V-05	†
Benzene	10.5	1.0	µg/L	10.0		105	70-130	2.71	25		
Bromochloromethane	8.66	1.0	µg/L	10.0		86.6	70-130	0.346	25		
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130	1.28	25		
Bromoform	10.2	1.0	µg/L	10.0		102	70-130	4.80	25		
Bromomethane	10.6	2.0	µg/L	10.0		106	40-160	2.00	25		†
2-Butanone (MEK)	80.6	20	µg/L	100		80.6	40-160	3.83	25	V-05	†
n-Butylbenzene	9.91	1.0	µg/L	10.0		99.1	70-130	8.19	25		
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	7.38	25		
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130	5.50	25		
Carbon Disulfide	80.2	5.0	µg/L	100		80.2	70-130	0.463	25	V-05	
Carbon Tetrachloride	11.4	5.0	µg/L	10.0		114	70-130	0.0878	25		
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	2.36	25		
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130	2.80	25		
Chloroethane	9.38	2.0	µg/L	10.0		93.8	70-130	0.642	25		
Chloroform	11.0	2.0	µg/L	10.0		110	70-130	2.30	25		
Chloromethane	8.86	2.0	µg/L	10.0		88.6	40-160	0.00	25		†
Cyclohexane	8.83	5.0	µg/L	10.0		88.3	70-130	1.25	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.90	5.0	µg/L	10.0		99.0	70-130	2.04	25		
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130	0.916	25		
1,2-Dichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130	6.04	25		
1,3-Dichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130	4.30	25		
1,4-Dichlorobenzene	9.84	1.0	µg/L	10.0		98.4	70-130	5.21	25		
Dichlorodifluoromethane (Freon 12)	12.7	2.0	µg/L	10.0		127	40-160	0.553	25	V-20	†
1,1-Dichloroethane	9.52	1.0	µg/L	10.0		95.2	70-130	0.628	25		
1,2-Dichloroethane	9.41	1.0	µg/L	10.0		94.1	70-130	0.106	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
Batch B371572 - SW-846 5030B										
LCS Dup (B371572-BSD1)				Prepared & Analyzed: 04/16/24						
1,1-Dichloroethylene	9.60	1.0	µg/L	10.0		96.0	70-130	0.104	25	
cis-1,2-Dichloroethylene	9.27	1.0	µg/L	10.0		92.7	70-130	0.431	25	
trans-1,2-Dichloroethylene	9.08	1.0	µg/L	10.0		90.8	70-130	0.110	25	
1,2-Dichloropropane	9.49	1.0	µg/L	10.0		94.9	70-130	2.02	25	
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	2.17	25	
trans-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111	70-130	1.73	25	
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.55	25	
2-Hexanone (MBK)	92.9	10	µg/L	100		92.9	70-160	2.03	25	†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	2.26	25	
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0		101	70-130	6.04	25	
Methyl Acetate	7.65	1.0	µg/L	10.0		76.5	70-130	4.41	25	V-05, V-36
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130	0.00	25	
Methylene Chloride	8.11	5.0	µg/L	10.0		81.1	70-130	5.75	25	
4-Methyl-2-pentanone (MIBK)	92.3	10	µg/L	100		92.3	70-160	1.51	25	†
Naphthalene	8.94	2.0	µg/L	10.0		89.4	40-130	6.71	25	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130	2.49	25	
Styrene	10.0	1.0	µg/L	10.0		100	70-130	1.61	25	
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130	4.21	25	
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130	0.919	25	
Toluene	10.7	1.0	µg/L	10.0		107	70-130	0.845	25	
1,2,3-Trichlorobenzene	9.85	5.0	µg/L	10.0		98.5	70-130	7.81	25	
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	8.92	25	
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130	2.07	25	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.753	25	
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	1.47	25	
Trichlorofluoromethane (Freon 11)	12.1	2.0	µg/L	10.0		121	70-130	1.08	25	
1,2,3-Trichloropropane	10.6	2.0	µg/L	10.0		106	70-130	2.58	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0		112	70-130	2.08	25	
1,2,4-Trimethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	5.42	25	
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	4.04	25	
Vinyl Chloride	8.33	2.0	µg/L	10.0		83.3	40-160	1.67	25	†
m+p Xylene	20.9	2.0	µg/L	20.0		104	70-130	2.43	25	
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130	2.60	25	
Xylenes (total)	31.4	1.0	µg/L	30.0		105	0-200	2.48		
Surrogate: 1,2-Dichloroethane-d4	23.5		µg/L	25.0		93.9	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.0		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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.
V-36	Initial calibration verification (ICV) 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>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
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 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

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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
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
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

Contact: <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>

Company Name: **Arcadis**

Address: **201 Fuller Rd Ste 201, Albany, NY 12203**

Phone: **618-250-7334**

Project Name: **Brewerton - Jack's Cleaners**

Project Location: **Brewerton, NY**

Project Number: **NYSDEC Lab Callout - Site # 734112**

Project Manager: **Stefan Bagnato (Arcadis), Stephanie Fitzgerald (NYSDEC)**

Pace Analytical Quote Name/Number: **NYSDEC Callout ID # 144566, Contract #**

Invoice Recipient: **Stephanie Fitzgerald (NYSDEC)**

Sampled By: **B. Kudva-Williams**

Client Sample ID / Description: **1 IW-17**

Beginning Date/Time: **4/12/24**

Ending Date/Time: **0955**

Grab Composite: **X**

Matrix Code: **GW**

Conc Code: **X**

2 Preservation Codes: **I = Iced**

1 Matrix Codes: **GW = Ground Water**

WW = Waste Water

DW = Drinking Water

A = Air

SL = Sludge

SOL = Solid

O = Other (please define)

2 Preservation Codes:

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium Bisulfate

X = Sodium Hydroxide

T = Sodium Thiocyanate

O = Other (please define)

3 Container Codes:

A = Amber Glass

G = Glass

P = Plastic

ST = Sterile

V = Vial

S = Summa Canister

T = Tedlar Bag

O = Other (please define)

Comments: **Bill to: NYSDEC**
Callout ID # 144566
Contract # 600913

Deliverables to: **Stefan Bagnato (Arcadis)**
Stephanie Fitzgerald (NYSDEC)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) **[Signature]**

Received by: (signature) **[Signature]**

Relinquished by: (signature) **[Signature]**

Received by: (signature) **[Signature]**

Relinquished by: (signature) **[Signature]**

Received by: (signature) **[Signature]**

Relinquished by: (signature) **[Signature]**

Received by: (signature) **[Signature]**

Relinquished by: (signature) **[Signature]**

Received by: (signature) **[Signature]**

Relinquished by: (signature) **[Signature]**

Received by: (signature) **[Signature]**

Bottle Order Request

DEC-01-23 07:06:36

Bottle Order # 446391

Page 1 of 3

Acctnum : *CONTEST*
 Contact Name : *Dan Meadro*
 Projectnum : *734112*

Company : *Arcadis*
 Client PM : *Mr. Raymond McCarthy*
 Projectname : *Brewerton Jack's Cleaners*

Request date : *11/28/23*
 Order taken by : *Chantel Ouimette*

Status : *NEED*
 Linked Call :

Sample delivery date :
 Projected TAT :

Completed by :
 Date Completed :

Delivery method : *Courier*

Matrix : *WATER*

Samples : *35*

Analytes : *Volatile Organics - EPA 8260D*

2 Trip Blanks

Client IDs :

1

MW-1R
 MW-2
 MW-5
 MW-7
 MW-9
 MW-12
 MW-13
 MW-14
 MW-14BR
 MW-15
 MW-15BR
 MW-16
 MW-16BR
 MW-17
 MW-17BR
 IW-1
 IW-2
 IW-3
 IW-7
 IW-11
 IW-14
 IW-17
 IW-19
 IW-24
 IW-25
 IW-29
 IW-31
 DUP
 DUP
 MS

Container	Quantity	Analyte Label
Vial HCl preserved	2	8260

PLEASE PUT SAMPLES ON ICE
 EXCEPT CANISTER OR BAG SAMPLES



Bottle Order Request

DEC-01-23 07:06:36

Bottle Order # 446391

Page 2 of 3

Acctnum : *CONTEST*
Contact Name : *Dan Meadro*
Projectnum : *734112*

Company : *Arcadis*
Client PM : *Mr. Raymond McCarthy*
Projectname : *Brewerton Jack's Cleaners*

Request date : *11/28/23*
Order taken by : *Chantel Ouimette*

Status : *NEED*
Linked Call :

Sample delivery date :
Projected TAT :

Completed by :

Delivery method : *Courier*

MS
MSD
MSD

Matrix : *WATER* **# Samples :** *7*

Analytes : *PFAAs via EPA 1633 (Draft)*
Total Suspended Solids - SM 2540 (ug/l)

Client IDs :

MW-10
MW-11
MW-14

Container	Quantity	Analyte Label
<i>Plastic 120ml unpreserved</i>	<i>1</i>	<i>TSS-2540 - 125mL (QEC)</i>
<i>Plastic 500ml unpreserved</i>	<i>2</i>	<i>1633 (QEC)</i>

DUP
MS
MSD

Matrix : *WATER* **# Samples :** *1*

Analytes : *PFAAs via EPA 1633 (Draft)*

Client IDs :

Equipment Blank

Container	Quantity	Analyte Label
<i>Plastic 500ml unpreserved</i>	<i>2</i>	<i>1633 (QEC)</i>
<i>Plastic 950ml unpreserved/H2O fill</i>	<i>2</i>	<i>1633 (QEC)</i>

Bottle Quantity Summary:

<i>Plastic 120ml unpreserved</i>	<i>7</i>
<i>Plastic 500ml unpreserved</i>	<i>16</i>
<i>Plastic 950ml unpreserved/H2O fill</i>	<i>2</i>
<i>Vial HCl preserved</i>	<i>70</i>

Trip Blanks and Miscellaneous Field Blanks:

<i>Vial HCl preserved</i>	<i>4</i>
---------------------------	----------

PLEASE PUT SAMPLES ON ICE
EXCEPT CANISTER OR BAG SAMPLES



Bottle Order Request

DEC-01-23 07:06:36

Bottle Order # 446391

Page 3 of 3

Acctnum : *CONTEST*
Contact Name : *Dan Meadro*
Projectnum : *734112*

Company : *Arcadis*
Client PM : *Mr. Raymond McCarthy*
Projectname : *Brewerton Jack's Cleaners*

Request date : *11/28/23*
Order taken by : *Chantel Ouimette*

Status : *NEED*
Linked Call :

Sample delivery date :
Projected TAT :

Completed by :

Delivery method : *Courier*

Special Shipping Requirements

Cooler ☒ Dangerous Certified NJ Courier Return Shipping
Pickup Label Labels

Pending Shipping Date(s)
12/06/23

Include 1633 sampling instructions
include field blank water
SYR SC

If you have questions on this Bottle Order, need to order additional bottles or schedule a Sample Pickup, please call a member of our Alpha team at .

PLEASE PUT SAMPLES ON ICE
EXCEPT CANISTER OR BAG SAMPLES



	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Arcadis
 Project 73412
 MCP/RCP Required no
 Deliverable Package Requirement not an CATB
 Location NY
 PWSID# (When Applicable) NA
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time ck 4/13/24 1250
 Back-Sheet By / Date / Time ck 4/13/24 1337
 Temperature Method gun # 6
 Temp < 6° C Actual Temperature 7.0
 Rush Samples: Yes / No Notify
 Short Hold: Yes / No Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☐
All Samples Proper pH: <u>N/A</u>	☐	☐

Additional Container Notes

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

Qualtrax ID: 120836

Page 2 of 2

Sample	Soils Jars (Circle Amb/Clear)				Ambers				Plastics							VOA Vials					Other / Fill in								
					1 Liter		250mL		100mL		500mL			250mL															
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact	
1																													
2																													
3																													
4																													
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20																													

	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

APPENDIX C

Data Usability Summary Reports

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

Client: Arcadis, Clifton Park, New York
SDG: 24C3585
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: Jacks Dry Cleaners, Brewerton, New York
Date: May 10, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-14	24C3585-01	Water
2	DUP-20230328	24C3585-02	Water
3	Trip Blank	24C3585-03	Water

A Data Usability Summary Review was performed on the analytical data for two water samples and one aqueous trip blank sample collected on March 28, 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.

Specific method references are as follows:

Analysis
VOC

Method References
USEPA SW-846 Method 8260D

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 HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- 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
- 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
4/2/24	Acetone	29.1%	J/UJ	All Samples
	Methyl Acetate	28.3%	UJ	
	Vinyl Chloride	20.7%	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	Ethylbenzene	0.28	None	ND
	Toluene	1.8	None	1,2
	1,2,4-Trimethylbenzene	0.24	None	All ND
	m+p Xylene	1.1	None	All ND
	o-Xylene	0.28	None	All ND
	Xylenes (total)	1.1	None	All 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
1	Acetone	68.4%/68.3%/OK	See CCAL

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

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

Internal Standard (IS) Area Performance

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

Compound Quantitation

- All criteria were met.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

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

Compound	MW-14 ug/L	DUP-20230328 ug/L	RPD	Qualifier
Acetone	3.3	3.0	10%	None
Benzene	0.43	0.43	0%	None
cis-1,2-Dichloroethylene	0.25	0.25	0%	None
Methyl tert-Butyl Ether	0.18	0.18	0%	None

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: 5/13/24

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.

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MW-14

Laboratory:	Pace New England	Work Order:	24C3585
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24C3585-01
		File ID:	E24V09319.D
Sampled:	03/28/24 11:30	Prepared:	04/01/24 13:23
		Analyzed:	04/02/24 16:02
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B370078	Sequence:	S102580
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS.NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	3.3 J	2.0	50	MS-09, V-05, J
75-85-4	tert-Amyl Alcohol (TAA)		1.3	5.0	
919-94-8	tert-Amyl Ethyl Ether (TAAE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene	0.43	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	
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

MS/12/24

1 - FORM I ANALYSIS DATA SHEET

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MW-14

Laboratory:	Pace New England	Work Order:	24C3585
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24C3585-01
		File ID:	E24V09319.D
Sampled:	03/28/24 11:30	Prepared:	04/01/24 13:23
		Analyzed:	04/02/24 16:02
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B370078	Sequence:	S102580
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS.NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.25	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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol		20	50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	UJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.18	0.17	1.0	J
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,1,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene	0.44 U	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	

MS 1/2/24

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MW-14

Laboratory: Pace New England Work Order: 24C3585
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24C3585-01 File ID: E24V09319.D
 Sampled: 03/28/24 11:30 Prepared: 04/01/24 13:23 Analyzed: 04/02/24 16:02
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B370078 Sequence: S102580 Calibration: 2400193 Instrument: GCMSVOA5

CAS.NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	WJ	0.19	2.0	V-05
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

ms 11/2/24

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DUP-20230328

Laboratory:	Pace New England	Work Order:	24C3585
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24C3585-02
		File ID:	E24V09320.D
Sampled:	03/28/24 11:30	Prepared:	04/01/24 13:23
		Analyzed:	04/02/24 16:28
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B370078	Sequence:	S102580
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS.NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	3.0 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)		1.3	5.0	
919-94-8	tert-Amyl Ethyl Ether (TAAE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene	0.43	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	
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

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DUP-20230328

Laboratory:	Pace New England	Work Order:	24C3585
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24C3585-02
		File ID:	E24V09320.D
Sampled:	03/28/24 11:30	Prepared:	04/01/24 13:23
		Analyzed:	04/02/24 16:28
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B370078	Sequence:	S102580
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS.NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.25	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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol		20	50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uj	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.18	0.17	1.0	J
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.47 u	0.11	1.0	sl
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	

MW 5/1/24

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DUP-20230328

Laboratory: Pace New England Work Order: 24C3585
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24C3585-02 File ID: E24V09320.D
Sampled: 03/28/24 11:30 Prepared: 04/01/24 13:23 Analyzed: 04/02/24 16:28
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B370078 Sequence: S102580 Calibration: 2400193 Instrument: GCMSVOA5

CAS.NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	uJ	0.19	2.0	V-05
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

uJ 5/12/24

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Trip Blank

Laboratory: Pace New England Work Order: 24C3585
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Trip Blank Water Laboratory ID: 24C3585-03 File ID: E24V09309.D
Sampled: 03/28/24 00:00 Prepared: 04/01/24 13:23 Analyzed: 04/02/24 11:44
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B370078 Sequence: S102580 Calibration: 2400193 Instrument: GCMSVOA5

CAS.NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	uJ	2.0	50	V-05
75-85-4	tert-Amyl Alcohol (TAA)		1.3	5.0	
919-94-8	tert-Amyl Ethyl Ether (TAAE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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	
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

MW 5/12/24

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Trip Blank

Laboratory: Pace New England Work Order: 24C3585
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Trip Blank Water Laboratory ID: 24C3585-03 File ID: E24V09309.D
 Sampled: 03/28/24 00:00 Prepared: 04/01/24 13:23 Analyzed: 04/02/24 11:44
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B370078 Sequence: S102580 Calibration: 2400193 Instrument: GCMSVOA5

CAS.NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol		20	50	
100-41-4	Ethylbenzene	0.28	0.14	1.0	J
591-78-6	2-Hexanone (MBK)		1.3	10	
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	u J	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	1.8	0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	

new 5/1/24

1 - FORM I ANALYSIS DATA SHEET

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3

Trip Blank

Laboratory: Pace New England Work Order: 24C3585
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Trip Blank Water Laboratory ID: 24C3585-03 File ID: E24V09309.D
 Sampled: 03/28/24 00:00 Prepared: 04/01/24 13:23 Analyzed: 04/02/24 11:44
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B370078 Sequence: S102580 Calibration: 2400193 Instrument: GCMSVOA5

CAS.NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.24	0.16	1.0	J
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride	uj	0.19	2.0	V-05
179601-23-1	m+p Xylene	1.1	0.25	2.0	J
95-47-6	o-Xylene	0.28	0.16	1.0	J
1330-20-7	Xylenes (total)	1.1	1.0	1.0	

mwslizy

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

Client: Arcadis, Clifton Park, New York
SDG: 24C3586
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: Jacks Dry Cleaners, Brewerton, New York
Date: May 10, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-10	24C3586-01	Water
2	MW-11	24C3586-02	Water
3	MW-14	24C3586-03	Water
3MS	MW-14MS	24C3586-03MS	Water
3MSD	MW-14MSD	24C3586-03MSD	Water
4	DUP-20230328	24C3586-04	Water
5	Equipment Blank-20240328	24C3586-05	Water
6	Field Blank-20240328	24C3586-06	Water

A Data Usability Summary Review was performed on the analytical data for four water samples, one aqueous equipment blank sample, and one aqueous field blank sample collected on March 28, 2024 by Arcadis at the Jacks Dry Cleaners site in Brewerton, New York. The samples were analyzed under Environmental Protection Agency (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
PFAS

Method References
USEPA Draft Method 1633

The data have been validated according to the protocols and quality control (QC) requirements of the analytical method and the NYSDEC Data Review Guidelines as follows:

- 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:

PFAS

- Data Completeness
- Holding times and sample preservation
- 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
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes. There were no qualifications.

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.

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-20240328	ND	-	-	-
Field Blank-20240328	ND	-	-	-

Surrogate Spike Recoveries

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

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

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

Laboratory Control Samples

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

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- EDS Sample 2 exhibited PFOA which exceeded the ion ratio QC limits. The reviewer qualified PFOA estimated (J).

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

Compound	DUP-20230328 ng/L	MW-14 ng/L	RPD	Qualifier
PFBA	5.4	5.3	2%	None

Compound	DUP-20230328 ng/L	MW-14 ng/L	RPD	Qualifier
PFPeA	1.4	1.3	7%	None
PFHxA	0.32	0.29	10%	None
PFOA	0.45	0.49	9%	None
PFOS	0.47	0.63	29%	None

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

Signed: Nancy Weaver Dated: 5/13/24
Nancy Weaver
Senior Chemist

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.

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ANALYSIS DATA SHEET

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MW-10

Laboratory: Pace New England Work Order: 24C3586
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24C3586-01 File ID: 24C3586-01.d
 Sampled: 03/28/24 15:45 Prepared: 04/11/24 00:00 Analyzed: 04/12/24 23:55
 Solids: Preparation: Draft Method 1621 Dilution: 1
 Initial/Final: 472.48 mL / 5 mL
 Batch: B370518 Sequence: S103165 Calibration: 2400383 Instrument: QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)	6.4	2.3	4.2	
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.0	0.45	2.1	J
307-24-4	Perfluorohexanoic acid (PFHxA)	0.68	0.25	1.1	J
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.28	1.1	
335-67-1	Perfluorooctanoic acid (PFOA)	0.69	0.28	1.1	J
375-95-1	Perfluorononanoic acid (PFNA)		0.20	1.1	
335-76-2	Perfluorodecanoic acid (PFDA)		0.22	1.1	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.22	1.1	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.21	1.1	
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)		0.31	1.1	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.27	1.1	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.6	0.22	1.1	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		0.27	1.1	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.39	0.30	1.1	J
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.35	1.1	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.41	1.1	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.27	1.1	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.30	1.1	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.31	1.1	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (PFHxS)		0.79	4.2	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (PFOS)		3.2	4.2	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (PFDS)		1.2	4.2	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.25	1.1	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSAA)		0.35	1.1	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSAA)		0.36	1.1	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.38	1.1	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.42	1.1	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol (NMeFOSAA-EtOH)		2.9	11	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSAA-EtOH)		2.8	11	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		1.1	4.2	

MW 5/10/24

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MW-10

Laboratory: Pace New England Work Order: 24C3586
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24C3586-01 File ID: 24C3586-01.d
 Sampled: 03/28/24 15:45 Prepared: 04/11/24 00:00 Analyzed: 04/12/24 23:55
 Solids: Preparation: Draft Method 1621 Dilution: 1
 Initial/Final: 472.48 mL / 5 mL
 Batch: B370518 Sequence: S103165 Calibration: 2400383 Instrument: QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON.		0.87	4.2	
756426-58-1	9Cl-PF3ONS (F53B Minor)		1.0	4.2	
763051-92-9	11Cl-PF3OUdS (F53B Major)		1.1	4.2	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		2.3	11	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		12	53	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:.		10	53	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEI		0.37	2.1	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.59	2.1	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.57	2.1	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA		0.58	2.1	

MW 5/10/24

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MW-11

Laboratory:	Pace New England	Work Order:	24C3586
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24C3586-02
		File ID:	24C3586-02.d
Sampled:	03/28/24 11:20	Prepared:	04/11/24 00:00
		Analyzed:	04/13/24 00:11
Solids:		Preparation:	Draft Method 1621
		Dilution:	1
Initial/Final:	503.71 mL / 5 mL		
Batch:	B370518	Sequence:	S103165
		Calibration:	2400383
		Instrument:	QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)	12	2.2	4.0	
2706-90-3	Perfluoropentanoic acid (PFPeA)	11	0.43	2.0	
307-24-4	Perfluorohexanoic acid (PFHxA)	5.0	0.24	0.99	
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.78	0.26	0.99	J
335-67-1	Perfluorooctanoic acid (PFOA)	0.83 J	0.26	0.99	PF-23, J
375-95-1	Perfluorononanoic acid (PFNA)		0.19	0.99	
335-76-2	Perfluorodecanoic acid (PFDA)		0.21	0.99	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.20	0.99	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.20	0.99	
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)		0.29	0.99	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.26	0.99	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.75	0.21	0.99	J
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		0.25	0.99	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.28	0.99	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.33	0.99	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.38	0.99	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.25	0.99	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.29	0.99	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.29	0.99	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (		0.74	4.0	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (t		3.0	4.0	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (		1.1	4.0	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.23	0.99	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeF		0.33	0.99	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS		0.33	0.99	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.36	0.99	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.40	0.99	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol(		2.7	9.9	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (N		2.7	9.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		1.0	4.0	

mw 5110124

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2

MW-11

Laboratory: Pace New England Work Order: 24C3586
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24C3586-02 File ID: 24C3586-02.d
Sampled: 03/28/24 11:20 Prepared: 04/11/24 00:00 Analyzed: 04/13/24 00:11
Solids: Preparation: Draft Method 1621 Dilution: 1
Initial/Final: 503.71 mL / 5 mL
Batch: B370518 Sequence: S103165 Calibration: 2400383 Instrument: QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON.		0.82	4.0	
756426-58-1	9CI-PF3ONS (F53B Minor)		0.96	4.0	
763051-92-9	11CI-PF3OUdS (F53B Major)		1.1	4.0	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		2.2	9.9	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		11	50	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:1		9.4	50	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEt		0.35	2.0	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.55	2.0	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.54	2.0	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA		0.55	2.0	

MW S10124

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was unacceptable for PFBS. These results were qualified as estimated (J).

~~DUP-20230328~~ MW-14

Compound	MW-14 ng/L	DUP-20230328 ng/L	RPD	Qualifier
PFBA	12 5.4	5.3	77%	None
PFPeA	11 1.4	1.3	158%	None
PFHxA	5.0 0.32	0.29	178%	None
PFHpA	0.78	0.28U	94%	J
PFOA	0.83 0.45	0.49	52%	None
PFBS	0.75	0.22U	109%	J
PFOS	0.38U 0.47	0.63	50%	None

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

Signed: _____

Nancy Weaver
Senior Chemist

Dated: _____

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3

MW-14

Laboratory:	Pace New England	Work Order:	24C3586
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24C3586-03
		File ID:	24C3586-03.d
Sampled:	03/28/24 11:30	Prepared:	04/11/24 00:00
		Analyzed:	04/13/24 00:27
Solids:		Preparation:	Draft Method 1621
		Dilution:	1
Initial/Final:	476.41 mL / 5 mL		
Batch:	B370518	Sequence:	S103165
		Calibration:	2400383
		Instrument:	QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)	5.3	2.3	4.2	
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.3	0.45	2.1	J
307-24-4	Perfluorohexanoic acid (PFHxA)	0.29	0.25	1.0	J
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.28	1.0	
335-67-1	Perfluorooctanoic acid (PFOA)	0.49	0.27	1.0	J
375-95-1	Perfluorononanoic acid (PFNA)		0.20	1.0	
335-76-2	Perfluorodecanoic acid (PFDA)		0.22	1.0	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.21	1.0	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.21	1.0	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.31	1.0	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.27	1.0	
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.22	1.0	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		0.27	1.0	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.29	1.0	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.35	1.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.63	0.40	1.0	J
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.26	1.0	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.30	1.0	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.30	1.0	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (PFHxS)		0.78	4.2	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (PFOS)		3.2	4.2	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (PFDS)		1.2	4.2	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.24	1.0	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeF)		0.34	1.0	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS)		0.35	1.0	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.38	1.0	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.42	1.0	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol (NMeFOSAEOH)		2.9	10	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSAEOH)		2.8	10	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		1.1	4.2	

mw 5/10/24

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MW-14

3

Laboratory: Pace New England Work Order: 24C3586
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24C3586-03 File ID: 24C3586-03.d
 Sampled: 03/28/24 11:30 Prepared: 04/11/24 00:00 Analyzed: 04/13/24 00:27
 Solids: Preparation: Draft Method 1621 Dilution: 1
 Initial/Final: 476.41 mL / 5 mL
 Batch: B370518 Sequence: S103165 Calibration: 2400383 Instrument: QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON.		0.86	4.2	
756426-58-1	9CI-PF3ONS (F53B Minor)		1.0	4.2	
763051-92-9	11CI-PF3OUdS (F53B Major)		1.1	4.2	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		2.3	10	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		12	52	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:1		10	52	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEE		0.37	2.1	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.58	2.1	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.57	2.1	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA		0.58	2.1	

MW 5/10/24

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ANALYSIS DATA SHEET
DUP-20230328

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4

Laboratory: Pace New England Work Order: 24C3586
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24C3586-04 File ID: 24C3586-04.d
Sampled: 03/28/24 00:00 Prepared: 04/11/24 00:00 Analyzed: 04/13/24 00:42
Solids: Preparation: Draft Method 1621 Dilution: 1
Initial/Final: 475.87 mL / 5 mL
Batch: B370518 Sequence: S103165 Calibration: 2400383 Instrument: QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)	5.4	2.3	4.2	
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.4	0.45	2.1	J
307-24-4	Perfluorohexanoic acid (PFHxA)	0.32	0.25	1.1	J
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.28	1.1	
335-67-1	Perfluorooctanoic acid (PFOA)	0.45	0.28	1.1	J
375-95-1	Perfluorononanoic acid (PFNA)		0.20	1.1	
335-76-2	Perfluorodecanoic acid (PFDA)		0.22	1.1	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.21	1.1	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.21	1.1	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.31	1.1	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.27	1.1	
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.22	1.1	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		0.27	1.1	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.29	1.1	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.35	1.1	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.47	0.40	1.1	J
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.26	1.1	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.30	1.1	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.30	1.1	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (PFHxS)		0.78	4.2	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (PFOS)		3.2	4.2	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (PFDS)		1.2	4.2	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.24	1.1	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOS)		0.34	1.1	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS)		0.35	1.1	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.38	1.1	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.42	1.1	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol (NMeFOSAA-EtOH)		2.9	11	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSAA-EtOH)		2.8	11	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		1.1	4.2	

new 5/10/24

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ANALYSIS DATA SHEET
DUP-20230328

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Laboratory: Pace New England Work Order: 24C3586
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24C3586-04 File ID: 24C3586-04.d
Sampled: 03/28/24 00:00 Prepared: 04/11/24 00:00 Analyzed: 04/13/24 00:42
Solids: Preparation: Draft Method 1621 Dilution: 1
Initial/Final: 475.87 mL / 5 mL
Batch: B370518 Sequence: S103165 Calibration: 2400383 Instrument: QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON.		0.86	4.2	
756426-58-1	9CI-PF3ONS (F53B Minor)		1.0	4.2	
763051-92-9	11CI-PF3OUdS (F53B Major)		1.1	4.2	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		2.3	11	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		12	53	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:1		10	53	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEt		0.37	2.1	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.58	2.1	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.57	2.1	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA		0.58	2.1	

ms 5/10/24

1 - FORM I

ANALYSIS DATA SHEET

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Equipment Blank-20240328

Laboratory:	Pace New England	Work Order:	24C3586
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Equipment Blank Water	Laboratory ID:	24C3586-05
		File ID:	24C3586-05.d
Sampled:	03/28/24 13:30	Prepared:	04/11/24 00:00
		Analyzed:	04/13/24 00:58
Solids:		Preparation:	Draft Method 1621
		Dilution:	1
Initial/Final:	482.33 mL / 5 mL		
Batch:	B370518	Sequence:	S103165
		Calibration:	2400383
		Instrument:	QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)		2.3	4.1	
2706-90-3	Perfluoropentanoic acid (PFPeA)		0.44	2.1	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.25	1.0	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.28	1.0	
335-67-1	Perfluorooctanoic acid (PFOA)		0.27	1.0	
375-95-1	Perfluorononanoic acid (PFNA)		0.20	1.0	
335-76-2	Perfluorodecanoic acid (PFDA)		0.21	1.0	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.21	1.0	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.21	1.0	
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)		0.31	1.0	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.27	1.0	
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.22	1.0	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		0.27	1.0	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.29	1.0	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.34	1.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.40	1.0	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.26	1.0	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.30	1.0	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.30	1.0	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (		0.77	4.1	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (t		3.1	4.1	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (		1.2	4.1	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.24	1.0	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeF		0.34	1.0	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOS		0.35	1.0	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.37	1.0	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.41	1.0	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol(		2.8	10	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (N		2.8	10	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		1.1	4.1	

new 5/10/24

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ANALYSIS DATA SHEET

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Equipment Blank-20240328

Laboratory: Pace New England Work Order: 24C3586
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Equipment Blank Water Laboratory ID: 24C3586-05 File ID: 24C3586-05.d
Sampled: 03/28/24 13:30 Prepared: 04/11/24 00:00 Analyzed: 04/13/24 00:58
Solids: Preparation: Draft Method 1621 Dilution: 1
Initial/Final: 482.33 mL / 5 mL
Batch: B370518 Sequence: S103165 Calibration: 2400383 Instrument: QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON.		0.85	4.1	
756426-58-1	9CI-PF3ONS (F53B Minor)		1.0	4.1	
763051-92-9	11CI-PF3OUdS (F53B Major)		1.1	4.1	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		2.3	10	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		12	52	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:1		9.8	52	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEt		0.36	2.1	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.58	2.1	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.56	2.1	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA		0.57	2.1	

mw 5/10/24

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ANALYSIS DATA SHEET

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Field Blank-20240328

Laboratory:	Pace New England	Work Order:	24C3586
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Field Blank	Laboratory ID:	24C3586-06
		File ID:	24C3586-06.d
Sampled:	03/28/24 13:45	Prepared:	04/11/24 00:00
		Analyzed:	04/13/24 01:14
Solids:		Preparation:	Draft Method 1621
		Dilution:	1
Initial/Final:	488.98 mL / 5 mL		
Batch:	B370518	Sequence:	S103165
		Calibration:	2400383
		Instrument:	QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-22-4	Perfluorobutanoic acid (PFBA)		2.2	4.1	
2706-90-3	Perfluoropentanoic acid (PFPeA)		0.44	2.0	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.25	1.0	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.27	1.0	
335-67-1	Perfluorooctanoic acid (PFOA)		0.27	1.0	
375-95-1	Perfluorononanoic acid (PFNA)		0.19	1.0	
335-76-2	Perfluorodecanoic acid (PFDA)		0.21	1.0	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.21	1.0	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.20	1.0	
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)		0.30	1.0	
376-06-7	Perfluorotetradecanoic acid (PFTeDA)		0.27	1.0	
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.22	1.0	
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)		0.26	1.0	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.29	1.0	
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)		0.34	1.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.39	1.0	
68259-12-1	Perfluorononanesulfonic acid (PFNS)		0.26	1.0	
335-77-3	Perfluorodecanesulfonic acid (PFDS)		0.29	1.0	
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)		0.30	1.0	
757124-72-4	1H,1H,2H,2H-Perfluorohexane sulfonic acid (PFHxS)		0.76	4.1	
27619-97-2	1H,1H,2H,2H-Perfluorooctane sulfonic acid (PFOS)		3.1	4.1	
39108-34-4	1H,1H,2H,2H-Perfluorodecane sulfonic acid (PFDS)		1.1	4.1	
754-91-6	Perfluorooctanesulfonamide (PFOSA)		0.24	1.0	
31506-32-8	N-methyl perfluorooctanesulfonamide (NMeFOSAA)		0.34	1.0	
4151-50-2	N-ethyl perfluorooctanesulfonamide (NEtFOSAA)		0.35	1.0	
2355-31-9	N-MeFOSAA (NMeFOSAA)		0.37	1.0	
2991-50-6	N-EtFOSAA (NEtFOSAA)		0.41	1.0	
24448-09-7	N-methylperfluorooctanesulfonamidoethanol (NMeFOSAA-EtOH)		2.8	10	
1691-99-2	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSAA-EtOH)		2.7	10	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)		1.1	4.1	

New 5/10/24

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ANALYSIS DATA SHEET

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6

Field Blank-20240328

Laboratory: Pace New England Work Order: 24C3586
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Field Blank Laboratory ID: 24C3586-06 File ID: 24C3586-06.d
Sampled: 03/28/24 13:45 Prepared: 04/11/24 00:00 Analyzed: 04/13/24 01:14
Solids: Preparation: Draft Method 1621 Dilution: 1
Initial/Final: 488.98 mL / 5 mL
Batch: B370518 Sequence: S103165 Calibration: 2400383 Instrument: QQQ6

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADON.		0.84	4.1	
756426-58-1	9CI-PF3ONS (F53B Minor)		0.99	4.1	
763051-92-9	11CI-PF3OUdS (F53B Major)		1.1	4.1	
356-02-5	3-Perfluoropropyl propanoic acid (FPrPA)(3:3		2.2	10	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)		12	51	
812-70-4	3-Perfluoroheptyl propanoic acid (FHpPA)(7:1		9.7	51	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEt		0.36	2.0	
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMPA)		0.57	2.0	
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMBA)		0.55	2.0	
151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA		0.56	2.0	

new 5/10/24

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

Client: Arcadis, Clifton Park, New York
SDG: 24D1669
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: Jacks Dry Cleaners, Brewerton, New York
Date: May 10, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-1R	24D1669-01	Water
2	MW-2	24D1669-02	Water
3	MW-5	24D1669-03	Water
4	MW-7	24D1669-04	Water
5	MW-9	24D1669-05	Water
5MS	MW-9MS	24D1669-05MS	Water
5MSD	MW-9MSD	24D1669-05MSD	Water
6	MW-12	24D1669-06	Water
7	MW-13	24D1669-07	Water
8	MW-14BR	24D1669-08	Water
9	MW-15	24D1669-09	Water
10	MW-15BR	24D1669-10	Water
11	MW-16	24D1669-11	Water
12	MW-16BR	24D1669-12	Water
13	MW-17	24D1669-13	Water
14	MW-17BR	24D1669-14	Water
15	IW-1	24D1669-15	Water
16	IW-2	24D1669-16	Water
17	IW-3	24D1669-17	Water
18	IW-7	24D1669-18	Water
19	IW-11	24D1669-19	Water
20	IW-14	24D1669-20	Water

A Data Usability Summary Review was performed on the analytical data for twenty water samples collected on April 12, 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.

Specific method references are as follows:

Analysis
VOC

Method References
USEPA SW-846 Method 8260D

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 HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- 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
- 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
4/17/24	Acetone	28.7%	J	All Samples
	tert-Amyl Alcohol	27.6%	UJ	
	Ethanol	23.3%	UJ	
	Methyl Acetate	27.1%	UJ	
	2-Butanone	22.9%	J/UJ	

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field QC samples were not collected.

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
5	Acetone	68.7%/OK/OK	J
	Freon 12	142%/144%/OK	None - ND
	Methyl Acetate	62.6%/64.8%/OK	None – See CCAL
	Trichlorofluoromethane	OK/136%/OK	None - ND

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

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

Internal Standard (IS) Area Performance

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

Compound Quantitation

- All criteria were met.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

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: 5/13/24

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

MW-1R

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-01
		File ID:	E24V10808.D
Sampled:	04/12/24 12:45	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 11:27
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	7.6	J 2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)		uJ 1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	1.7	J 1.4	20	V-05, J
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

New 5/10/24

1 - FORM I ANALYSIS DATA SHEET

MW-1R

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-01
		File ID:	E24V10808.D
Sampled:	04/12/24 12:45	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 11:27
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane	0.46	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	50	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	0.63	0.16	1.0	J
78-87-5	1,2-Dichloropropane		0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	<u>V-05</u>
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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	0.95	0.17	1.0	J
108-88-3	Toluene	0.21	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

NW 5/10/24

1 - FORM I

ANALYSIS DATA SHEET

MW-1R

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-01 File ID: E24V10808.D
 Sampled: 04/12/24 12:45 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 11:27
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	4.8	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	15	0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

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1 - FORM I ANALYSIS DATA SHEET

2

MW-2

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-02 File ID: E24V10809.D
 Sampled: 04/12/24 12:35 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 11:53
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	7.7 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	uJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	1.5 J	1.4	20	V-05, J
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

mw S16124

1 - FORM I ANALYSIS DATA SHEET

2

MW-2

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-02
		File ID:	E24V10809.D
Sampled:	04/12/24 12:35	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 11:53
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	1.0	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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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	13	0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

NW 5/10/24

1 - FORM I ANALYSIS DATA SHEET

MW-2

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-02
		File ID:	E24V10809.D
Sampled:	04/12/24 12:35	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 11:53
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	1.1	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	
1330-20-7	Xylenes (total)		1.0	1.0	

mw 5110124

1 - FORM I ANALYSIS DATA SHEET

3

MW-5

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-03
		File ID:	E24V10810.D
Sampled:	04/12/24 12:55	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 12:19
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	8.0 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	u J	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	u J	1.4	20	V-05
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

mw S10124

1 - FORM I

ANALYSIS DATA SHEET

3

MW-5

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-03 File ID: E24V10810.D
 Sampled: 04/12/24 12:55 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 12:19
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	u J	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	u J	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.12	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

u J S100124

1 - FORM I

ANALYSIS DATA SHEET

3

MW-5

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-03 File ID: E24V10810.D
 Sampled: 04/12/24 12:55 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 12:19
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

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

new S10124

1 - FORM I ANALYSIS DATA SHEET

4

MW-7

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-04 File ID: E24V10811.D
 Sampled: 04/12/24 09:40 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 12:44
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	7.2 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	uJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	uJ	1.4	20	V-05
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

w 5/10/24

1 - FORM I ANALYSIS DATA SHEET

4

MW-7

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-04
		File ID:	E24V10811.D
Sampled:	04/12/24 09:40	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 12:44
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	4.2	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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.17	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

uJ S110624

1 - FORM I

ANALYSIS DATA SHEET

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MW-7

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-04 File ID: E24V10811.D
 Sampled: 04/12/24 09:40 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 12:44
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	15	0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

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1 - FORM I ANALYSIS DATA SHEET

MW-9

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-05 File ID: E24V10812.D
 Sampled: 04/12/24 12:10 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 13:10
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	9.1 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	uJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	1.5 J	1.4	20	V-05, J
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

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1 - FORM I ANALYSIS DATA SHEET

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MW-9

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-05 File ID: E24V10812.D
 Sampled: 04/12/24 12:10 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 13:10
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	18	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	0.38	0.16	1.0	J
78-87-5	1,2-Dichloropropane		0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	MS-07A, V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

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1 - FORM I

ANALYSIS DATA SHEET

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MW-9

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-05
		File ID:	E24V10812.D
Sampled:	04/12/24 12:10	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 13:10
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	1.7	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	18	0.19	2.0	
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

mw sl10124

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MW-12

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-06 File ID: E24V10813.D
 Sampled: 04/12/24 10:15 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 13:36
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	6.2 <i>J</i>	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	<i>uJ</i>	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	<i>uJ</i>	1.4	20	V-05
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	33	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	

mw sl10124

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MW-12

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-06 File ID: E24V10813.D
 Sampled: 04/12/24 10:15 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 13:36
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.37	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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uf	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uf	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.12	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

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1 - FORM I

ANALYSIS DATA SHEET

MW-12

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-06 File ID: E24V10813.D
 Sampled: 04/12/24 10:15 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 13:36
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.41	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	
1330-20-7	Xylenes (total)		1.0	1.0	

see S10124

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MW-13

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-07
		File ID:	E24V10827.D
Sampled:	04/12/24 12:00	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 19:38
Solids:		Preparation:	SW-846 5030B
		Dilution:	10
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	24 J	20	500	V-05 J
75-85-4	tert-Amyl Alcohol (TAA)	u J	13	50	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		1.6	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		1.5	5.0	
71-43-2	Benzene		1.4	10	
74-97-5	Bromochloromethane		3.2	10	
75-27-4	Bromodichloromethane		1.9	5.0	
75-25-2	Bromoform		3.0	10	
74-83-9	Bromomethane		15	20	
78-93-3	2-Butanone (MEK)	u J	14	200	V-05
75-65-0	tert-Butyl Alcohol (TBA)		34	200	
104-51-8	n-Butylbenzene		1.6	10	
135-98-8	sec-Butylbenzene		1.6	10	
98-06-6	tert-Butylbenzene		1.7	10	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		1.6	5.0	
75-15-0	Carbon Disulfide		15	50	
56-23-5	Carbon Tetrachloride		1.9	50	
108-90-7	Chlorobenzene		1.8	10	
124-48-1	Chlorodibromomethane		1.3	5.0	
75-00-3	Chloroethane		4.6	20	
67-66-3	Chloroform		1.9	20	
74-87-3	Chloromethane		5.0	20	
110-82-7	Cyclohexane		18	50	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		6.3	50	
106-93-4	1,2-Dibromoethane (EDB)		1.3	5.0	
95-50-1	1,2-Dichlorobenzene		1.7	10	
541-73-1	1,3-Dichlorobenzene		1.5	10	
106-46-7	1,4-Dichlorobenzene		1.7	10	

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MW-13

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-07
		File ID:	E24V10827.D
Sampled:	04/12/24 12:00	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 19:38
Solids:		Preparation:	SW-846 5030B
		Dilution:	10
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
75-71-8	Dichlorodifluoromethane (Freon 12)		2.0	20	
75-34-3	1,1-Dichloroethane		1.5	10	
107-06-2	1,2-Dichloroethane		1.3	10	
75-35-4	1,1-Dichloroethylene		1.8	10	
156-59-2	cis-1,2-Dichloroethylene	320	2.0	10	
156-60-5	trans-1,2-Dichloroethylene	4.5	1.6	10	J
78-87-5	1,2-Dichloropropane		1.7	10	
10061-01-5	cis-1,3-Dichloropropene		1.3	5.0	
10061-02-6	trans-1,3-Dichloropropene		1.4	5.0	
108-20-3	Diisopropyl Ether (DIPE)		1.7	5.0	
64-17-5	Ethanol	uJ	200	500	V-05
100-41-4	Ethylbenzene		1.4	10	
591-78-6	2-Hexanone (MBK)		13	100	
98-82-8	Isopropylbenzene (Cumene)		1.6	10	
99-87-6	p-Isopropyltoluene (p-Cymene)		1.6	10	
79-20-9	Methyl Acetate	uJ	4.8	10	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		1.7	10	
108-87-2	Methyl Cyclohexane		1.3	10	
75-09-2	Methylene Chloride		1.9	50	
108-10-1	4-Methyl-2-pentanone (MIBK)		14	100	
91-20-3	Naphthalene		2.5	20	
103-65-1	n-Propylbenzene		1.1	10	
100-42-5	Styrene		1.3	10	
79-34-5	1,1,2,2-Tetrachloroethane		1.0	5.0	
127-18-4	Tetrachloroethylene	780	1.7	10	
108-88-3	Toluene		1.1	10	
87-61-6	1,2,3-Trichlorobenzene		2.2	50	
120-82-1	1,2,4-Trichlorobenzene		1.9	10	

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ANALYSIS DATA SHEET

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MW-13

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-07 File ID: E24V10827.D
 Sampled: 04/12/24 12:00 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 19:38
 Solids: Preparation: SW-846 5030B Dilution: 10
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
71-55-6	1,1,1-Trichloroethane		1.4	10	
79-00-5	1,1,2-Trichloroethane		1.8	10	
79-01-6	Trichloroethylene	340	1.7	10	
75-69-4	Trichlorofluoromethane (Freon 11)		1.4	20	
96-18-4	1,2,3-Trichloropropane		2.7	20	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		1.6	10	
95-63-6	1,2,4-Trimethylbenzene		1.6	10	
108-67-8	1,3,5-Trimethylbenzene		1.7	10	
75-01-4	Vinyl Chloride	24	1.9	20	
179601-23-1	m+p Xylene		2.5	20	
95-47-6	o-Xylene		1.6	10	
1330-20-7	Xylenes (total)		10	10	

mw S100124

1 - FORM I ANALYSIS DATA SHEET

8

MW-14BR

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-08
		File ID:	E24V10814.D
Sampled:	04/12/24 09:35	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 14:02
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	6.9 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	uJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene	0.48	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)	uJ	1.4	20	V-05
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

MW 511.0624

1 - FORM I ANALYSIS DATA SHEET

8

MW-14BR

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-08
		File ID:	E24V10814.D
Sampled:	04/12/24 09:35	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 14:02
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.39	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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.67	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

see 5/10/24

1 - FORM I

ANALYSIS DATA SHEET

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MW-14BR

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-08 File ID: E24V10814.D
 Sampled: 04/12/24 09:35 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 14:02
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

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

ms 5/10/24

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MW-15

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-09 File ID: E24V10815.D
 Sampled: 04/12/24 11:35 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 14:27
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	6.3 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	uJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	uJ	1.4	20	V-05
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

NW 5/10/24

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ANALYSIS DATA SHEET

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MW-15

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-09 File ID: E24V10815.D
 Sampled: 04/12/24 11:35 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 14:27
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	u J	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	u J	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.13	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

mw sl0124

1 - FORM I ANALYSIS DATA SHEET

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MW-15

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-09 File ID: E24V10815.D
 Sampled: 04/12/24 11:35 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 14:27
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

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

ms 5/10/24

1 - FORM I ANALYSIS DATA SHEET

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MW-15BR

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-10 File ID: E24V10816.D
 Sampled: 04/12/24 11:30 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 14:53
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	8.0 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	u J	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	1.5 J	1.4	20	V-05, J
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

new sl 10/24

1 - FORM I

ANALYSIS DATA SHEET

MW-15BR

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-10 File ID: E24V10816.D
 Sampled: 04/12/24 11:30 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 14:53
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	1.7	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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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	0.40	0.17	1.0	J
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

new S110124

1 - FORM I

ANALYSIS DATA SHEET

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MW-15BR

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-10 File ID: E24V10816.D
 Sampled: 04/12/24 11:30 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 14:53
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.67	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	
1330-20-7	Xylenes (total)		1.0	1.0	

MW 5/10/24

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-16

Sampled: 4/12/2024 10:45

Sample ID: 24D1669-11

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	6.4	50	2.0	µg/L	1	J V-05	SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Amyl Alcohol (TAA)	ND	5.0	1.3	µg/L	1	uJ V-05	SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Amyl Ethyl Ether (TAAE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1	uJ V-05	SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Ethanol	ND	50	20	µg/L	1	uJ V-05	SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1	uJ V-05	SW-846 8260D	4/16/24	4/17/24 15:19	EEH

uJ 5/10/24

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 24D1669

Date Received: 4/13/2024

Field Sample #: MW-16

Sampled: 4/12/2024 10:45

Sample ID: 24D1669-11

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
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/16/24	4/17/24 15:19	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.9		70-130				4/17/24 15:19			
Toluene-d8	100		70-130				4/17/24 15:19			
4-Bromofluorobenzene	103		70-130				4/17/24 15:19			

NW 5/10/24

1 - FORM I ANALYSIS DATA SHEET

12

MW-16BR

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-12 File ID: E24V10818.D
 Sampled: 04/12/24 10:40 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 15:45
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	6.2 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	uJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAAE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene	0.23	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)	uJ	1.4	20	V-05
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

uJ S110124

1 - FORM I ANALYSIS DATA SHEET

MW-16BR

12

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-12 File ID: E24V10818.D
 Sampled: 04/12/24 10:40 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 15:45
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	u J	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	u J	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.13	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

u S110124

1 - FORM I ANALYSIS DATA SHEET

MW-16BR

12

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-12 File ID: E24V10818.D
 Sampled: 04/12/24 10:40 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 15:45
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.17	0.16	1.0	J
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	
1330-20-7	Xylenes (total)		1.0	1.0	

MW 5/10/24

1 - FORM I ANALYSIS DATA SHEET

13

MW-17

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-13 File ID: E24V10819.D
 Sampled: 04/12/24 10:10 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 16:11
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	6.4 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	uJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	uJ	1.4	20	V-05
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

uJ S1.0624

1 - FORM I ANALYSIS DATA SHEET

13

MW-17

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-13
		File ID:	E24V10819.D
Sampled:	04/12/24 10:10	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 16:11
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.14	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

uJ 51.0624

1 - FORM I

ANALYSIS DATA SHEET

13

MW-17

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-13 File ID: E24V10819.D
 Sampled: 04/12/24 10:10 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 16:11
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

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

mw sl 10/24

1 - FORM I ANALYSIS DATA SHEET

MW-17BR

14

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-14 File ID: E24V10820.D
 Sampled: 04/12/24 10:05 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 16:37
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	6.4 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	UJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAAE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	UJ	1.4	20	V-05
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

MW S1.10124

1 - FORM I ANALYSIS DATA SHEET

14

MW-17BR

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-14 File ID: E24V10820.D
 Sampled: 04/12/24 10:05 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 16:37
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.15	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

mw 5110624

1 - FORM I

ANALYSIS DATA SHEET

14

MW-17BR

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-14 File ID: E24V10820.D
 Sampled: 04/12/24 10:05 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 16:37
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

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

mw S10124

1 - FORM I ANALYSIS DATA SHEET

IS

IW-1

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-15 File ID: E24V10821.D
 Sampled: 04/12/24 11:15 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 17:03
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	8.6 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	uJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	1.6 J	1.4	20	V-05, J
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

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IW-1

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-15 File ID: E24V10821.D
 Sampled: 04/12/24 11:15 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 17:03
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061 02 6	trans 1,3 Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	u J	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	u J	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.50	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

new 5/10/24

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ANALYSIS DATA SHEET

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IW-1

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-15 File ID: E24V10821.D
 Sampled: 04/12/24 11:15 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 17:03
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

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

new 5/10/24

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IW-2

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-16 File ID: E24V10822.D
 Sampled: 04/12/24 11:10 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 17:29
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	9.3 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	u J	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAAE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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	
74-83-0	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)	1.9 J	1.4	20	V-05, J
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

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ANALYSIS DATA SHEET

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IW-2

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-16 File ID: E24V10822.D
 Sampled: 04/12/24 11:10 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 17:29
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.61	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

sw 5/10/24

1 - FORM I

ANALYSIS DATA SHEET

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IW-2

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-16 File ID: E24V10822.D
 Sampled: 04/12/24 11:10 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 17:29
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

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

see S10124

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17

IW-3

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-17 File ID: E24V10823.D
 Sampled: 04/12/24 10:55 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 17:54
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	6.4 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	u J	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAAE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	u J	1.4	20	V-05
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

new sticker

1 - FORM I ANALYSIS DATA SHEET

17

IW-3

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-17
		File ID:	E24V10823.D
Sampled:	04/12/24 10:55	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 17:54
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.29	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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.51	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

new 5/16/24

1 - FORM I

ANALYSIS DATA SHEET

17

IW-3

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-17 File ID: E24V10823.D
 Sampled: 04/12/24 10:55 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 17:54
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

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

NW 5/10/24

1 - FORM I ANALYSIS DATA SHEET

18

IW-7

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-18
		File ID:	E24V10824.D
Sampled:	04/12/24 10:20	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 18:20
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	8.0 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	uJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene	0.21	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)	1.5 J	1.4	20	V-05, J
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

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1 - FORM I ANALYSIS DATA SHEET

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IW-7

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-18 File ID: E24V10824.D
 Sampled: 04/12/24 10:20 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 18:20
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.83	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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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	0.21	0.17	1.0	J
108-88-3	Toluene	0.24	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

new 5/1/0624

1 - FORM I ANALYSIS DATA SHEET

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IW-7

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-18
		File ID:	E24V10824.D
Sampled:	04/12/24 10:20	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 18:20
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.45	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	0.30	0.19	2.0	J
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

New S110124

1 - FORM I

ANALYSIS DATA SHEET

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IW-11

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-19 File ID: E24V10825.D
 Sampled: 04/12/24 10:25 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 18:46
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	7.4 J	2.0	50	V-05 J
75-85-4	tert-Amyl Alcohol (TAA)	u J	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAAE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene		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)	u J	1.4	20	V-05
75-65-0	tert-Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

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1 - FORM I ANALYSIS DATA SHEET

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IW-11

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-19 File ID: E24V10825.D
 Sampled: 04/12/24 10:25 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 18:46
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.38	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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.25	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

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1 - FORM I

ANALYSIS DATA SHEET

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IW-11

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-19
		File ID:	E24V10825.D
Sampled:	04/12/24 10:25	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 18:46
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.17	0.16	1.0	J
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	
1330-20-7	Xylenes (total)		1.0	1.0	

1 - FORM I ANALYSIS DATA SHEET

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IW-14

Laboratory: Pace New England Work Order: 24D1669
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
 Matrix: Ground Water Laboratory ID: 24D1669-20 File ID: E24V10826.D
 Sampled: 04/12/24 10:00 Prepared: 04/16/24 07:54 Analyzed: 04/17/24 19:12
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B371573 Sequence: S103351 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	8.0 J	2.0	50	V-05, J
75-85-4	tert-Amyl Alcohol (TAA)	uJ	1.3	5.0	V-05
919-94-8	tert-Amyl Ethyl Ether (TAEE)		0.16	0.50	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.15	0.50	
71-43-2	Benzene	0.83	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)	uJ	1.4	20	V-05
75-65-0	tert Butyl Alcohol (TBA)		3.4	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	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.16	0.50	
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	

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IW-14

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-20
		File ID:	E24V10826.D
Sampled:	04/12/24 10:00	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 19:12
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
108-20-3	Diisopropyl Ether (DIPE)		0.17	0.50	
64-17-5	Ethanol	uJ	20	50	V-05
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
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	uJ	0.48	1.0	V-05
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	0.21	0.13	1.0	J
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	1.2	0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	

uJ 5/16/24

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IW-14

Laboratory:	Pace New England	Work Order:	24D1669
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1669-20
		File ID:	E24V10826.D
Sampled:	04/12/24 10:00	Prepared:	04/16/24 07:54
		Analyzed:	04/17/24 19:12
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371573	Sequence:	S103351
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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	0.32	0.19	2.0	J
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

new 5/10/24

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

Client: Arcadis, Clifton Park, New York
SDG: 24D1671
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: Jacks Dry Cleaners, Brewerton, New York
Date: May 10, 2024

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	IW-17	24D1671-01	Water
2	IW-19	24D1671-02	Water
3	IW-24	24D1671-03	Water
4	IW-25	24D1671-04	Water
5	IW-29	24D1671-05	Water
6	IW-31	24D1671-06	Water
7	DUP_20240412	24D1671-07	Water
8	TRIP BLANK	24D1671-08	Water

A Data Usability Summary Review was performed on the analytical data for seven water samples and one aqueous trip blank sample collected on April 12, 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.

Specific method references are as follows:

Analysis
VOC

Method References
USEPA SW-846 Method 8260D

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 HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- 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
- 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
4/16/24 (2117)	Acetone	29.0%	J/UJ	All Samples
	2-Butanone	22.4%	J/UJ	
	Carbon Disulfide	22.4%	UJ	
	Freon 12	24.3%	UJ	
	Methyl Acetate	28.1%	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	Acetone	2.4	U	1, 3, 4, 5, 6, 7
	Ethylbenzene	0.30	U	None – All ND
	Toluene	2.0	U	1, 2, 3, 4, 5, 6, 7
	1,2,4-Trimethylbenzene	0.24	U	3
	m+p Xylene	1.2	U	6
	o-Xylene	0.33	U	6
	Xylenes (total)	1.2	U	None – All ND

Surrogate Spike Recoveries

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

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

- MS/MSD samples were not analyzed.

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

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

Internal Standard (IS) Area Performance

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

Compound Quantitation

- All criteria were met.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

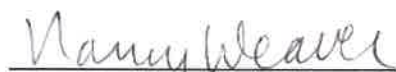
Field Duplicate Sample Precision

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

Compound	IW-29 ug/L	DUP_20240412 ug/L	RPD	Qualifier
2-Butanone	1.8	1.7	6%	None
cis-1,2-Dichloroethylene	0.53	0.53	0%	None
Vinyl Chloride	0.32	0.30	6%	None

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

Signed:



Nancy Weaver
Senior Chemist

Dated: 5/13/24

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.

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IW-17

Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-01
		File ID:	E24V10746.D
Sampled:	04/12/24 09:55	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 03:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	6.7 <i>uJ</i>	2.0	50	V-05, J
71-43-2	Benzene	1.0	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)	1.5 <i>J</i>	1.4	20	V-05, J
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	<i>uJ</i>	1.5	5.0	V-05
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	0.58	0.46	2.0	J
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)	<i>uJ</i>	0.20	2.0	
75-34-3	1,1-Dichloroethane	0.26	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	2.4	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	

sum 5/10/24

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IW-17

Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-01
		File ID:	E24V10746.D
Sampled:	04/12/24 09:55	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 03:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

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)		1.3	10	
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	47	0.48	1.0	V-05
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.81 4	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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		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	1.3	0.19	2.0	J
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

NW 5/10/24

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IW-19

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Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-02
		File ID:	E24V10747.D
Sampled:	04/12/24 09:50	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 04:11
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	uJ	2.0	50	V-05
71-43-2	Benzene	2.6	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)	1.7 J	1.4	20	V-05, J
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	uJ	1.5	5.0	V-05
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	4.3	1.8	5.0	J
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)	uJ	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	0.30	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	

MW 5/10/24

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IW-19

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Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-02
		File ID:	E24V10747.D
Sampled:	04/12/24 09:50	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 04:11
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

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)		1.3	10	
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	V-05
108-87-2	Methyl Cyclohexane	0.62	0.13	1.0	J
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	1.1	0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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		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	
1330-20-7	Xylenes (total)		1.0	1.0	

as 5/10/24

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IW-24

Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-03
		File ID:	E24V10748.D
Sampled:	04/12/24 09:20	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 04:37
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	7.1 <i>uj</i>	2.0	50	V-05, J
71-43-2	Benzene		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)	<i>uj</i>	1.4	20	V-05
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	<i>uj</i>	1.5	5.0	V-05
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)	<i>uj</i>	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	

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IW-24

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Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-03
		File ID:	E24V10748.D
Sampled:	04/12/24 09:20	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 04:37
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

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)		1.3	10	
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	WJ	0.48	1.0	V-05
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.78 U	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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		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	0.22 U	0.16	1.0	J
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	
1330-20-7	Xylenes (total)		1.0	1.0	

new station

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Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-04
		File ID:	E24V10749.D
Sampled:	04/12/24 12:20	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 05:03
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	8.4 <i>uJ</i>	2.0	50	V-05, J
71-43-2	Benzene	0.41	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)	<i>uJ</i>	1.4	20	V-05
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene	0.25	0.17	1.0	J
75-15-0	Carbon Disulfide	<i>uJ</i>	1.5	5.0	V-05
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	3.3	1.8	5.0	J
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)	<i>uJ</i>	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	6.1	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	0.33	0.16	1.0	J
78-87-5	1,2-Dichloropropane		0.17	1.0	

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IW-25

Laboratory: Pace New England Work Order: 24D1671
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24D1671-04 File ID: E24V10749.D
Sampled: 04/12/24 12:20 Prepared: 04/16/24 07:49 Analyzed: 04/17/24 05:03
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B371572 Sequence: S103345 Calibration: 2400193 Instrument: GCMSVOA5

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)		1.3	10	
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	uJ	0.48	1.0	V-05
108-87-2	Methyl Cyclohexane	0.38	0.13	1.0	J
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.23 u	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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	0.23	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	1.0	0.19	2.0	J
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

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IW-29

Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-05
		File ID:	E24V10750.D
Sampled:	04/12/24 12:25	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 05:29
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	8.0 <i>u J</i>	2.0	50	V-05, J
71-43-2	Benzene		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)	1.8 <i>J</i>	1.4	20	V-05, J
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	<i>u J</i>	1.5	5.0	V-05
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)	<i>u J</i>	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	0.53	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	

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IW-29

Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-05
		File ID:	E24V10750.D
Sampled:	04/12/24 12:25	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 05:29
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

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)		1.3	10	
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	uJ	0.48	1.0	V-05
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.16 u	0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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		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	0.32	0.19	2.0	J
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

new 5/10/24

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Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-06
		File ID:	E24V10751.D
Sampled:	04/12/24 13:05	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 05:55
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	9.1 <i>u J</i>	2.0	50	V-05-J
71-43-2	Benzene	0.19	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)	1.6 <i>J</i>	1.4	20	V-05-J
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	<i>u J</i>	1.5	5.0	V-05
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)	<i>u J</i>	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	2.3	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	

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Laboratory: Pace New England Work Order: 24D1671
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24D1671-06 File ID: E24V10751.D
Sampled: 04/12/24 13:05 Prepared: 04/16/24 07:49 Analyzed: 04/17/24 05:55
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B371572 Sequence: S103345 Calibration: 2400193 Instrument: GCMSVOA5

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)		1.3	10	
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	u7	0.48	1.0	V-05
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.15 u	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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		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	1.9	0.19	2.0	J
179601-23-1	m+p Xylene	0.37 u	0.25	2.0	J
95-47-6	o-Xylene	0.35 u	0.16	1.0	J
1330-20-7	Xylenes (total)		1.0	1.0	

mw 5/10/24

1 - FORM I ANALYSIS DATA SHEET

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DUP_20240412

7

Laboratory: Pace New England Work Order: 24D1671
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 149566
Matrix: Ground Water Laboratory ID: 24D1671-07 File ID: E24V10752.D
Sampled: 04/12/24 00:00 Prepared: 04/16/24 07:49 Analyzed: 04/17/24 06:21
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B371572 Sequence: S103345 Calibration: 2400193 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	7.8 uJ	2.0	50	V-05, J
71-43-2	Benzene		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)	1.7 J	1.4	20	V-05, J
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	uJ	1.5	5.0	V-05
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)	uJ	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	0.53	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	

New 5/10/24

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DUP_20240412

7

Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Ground Water	Laboratory ID:	24D1671-07
		File ID:	E24V10752.D
Sampled:	04/12/24 00:00	Prepared:	04/16/24 07:49
		Analyzed:	04/17/24 06:21
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

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)		1.3	10	
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	4J	0.48	1.0	V-05
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	0.16 u	0.11	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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		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	0.30	0.19	2.0	J
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

MW 5/10/24

1 - FORM I ANALYSIS DATA SHEET

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TRIP BLANK

8

Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Trip Blank Water	Laboratory ID:	24D1671-08
		File ID:	E24V10736.D
Sampled:	04/12/24 00:00	Prepared:	04/16/24 07:49
		Analyzed:	04/16/24 23:26
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.4 J	2.0	50	V-05, J
71-43-2	Benzene		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)	uJ	1.4	20	V-05
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	uJ	1.5	5.0	V-05
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)	uJ	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 5/10/24

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TRIP BLANK

8

Laboratory:	Pace New England	Work Order:	24D1671
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 149566
Matrix:	Trip Blank Water	Laboratory ID:	24D1671-08
		File ID:	E24V10736.D
Sampled:	04/12/24 00:00	Prepared:	04/16/24 07:49
		Analyzed:	04/16/24 23:26
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B371572	Sequence:	S103345
		Calibration:	2400193
		Instrument:	GCMSVOA5

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	0.30	0.14	1.0	J
591-78-6	2-Hexanone (MBK)		1.3	10	
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	WJ	0.48	1.0	V-05
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	
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		0.17	1.0	
108-88-3	Toluene	2.0	0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	
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		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	0.24	0.16	1.0	J
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	1.2	0.25	2.0	J
95-47-6	o-Xylene	0.33	0.16	1.0	J
1330-20-7	Xylenes (total)	1.2	1.0	1.0	

NW 5/10/24