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Subject:
2023 Q1 Monitoring Report
Brewerton Jack's Cleaners
NYSDEC Site No. 734112
Contract No. D009804-26

Date:
May 4, 2013

Dear Ms. Fitzgerald:

Contact:
Stefan Bagnato

Arcadis of New York, Inc. (Arcadis) has prepared this letter report to present the results of the March 2023 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.

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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 will evaluate the effectiveness of the enhanced bioremediation remedy.

Analytical Results

Groundwater Sampling

On March 21, 2023, Arcadis conducted groundwater sampling at all 31 planned monitoring well locations using passive diffusion bags that had been deployed two weeks earlier. Locations are shown on **Figures 2 and 3**. Prior to sampling, water levels were measured at each groundwater monitoring well location. Groundwater elevations are summarized in **Table 1**. As shown on **Figures 2 and 3**, the overburden and bedrock groundwater potentiometric surface maps indicate that the groundwater flow direction is generally to the east-southeast, consistent with other historical events, although there does appear to be a slight groundwater depression in the center of the overburden well network.

Groundwater samples were collected from the monitoring wells listed in **Table 2**. Duplicate samples, DUP-032123-01 and DUP-032123-02 were collected at MW-5 and MW-17, respectively. Sample collection and handling was conducted in accordance with Arcadis' Generic Sampling and Analysis Plan (SAP) for NYSDEC Standby Engineering Contract D009804.

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.

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 A**. 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. A Data Usability Summary Report (DUSR) was generated and is provided in **Appendix B**. The 2023 Q1 data were usable as reported with minor qualifications. The specific details of the data validation can be found in **Appendix B**.

As shown in **Table 3** and on **Figures 4 and 5**, acetone, cis-1,2-dichloroethene (cDCE), trichloroethene (TCE), vinyl chloride (VC), PCE, and trans-1,2-dichloroethene (tDCE) were the most frequently detected compounds in groundwater samples collected during the 2023 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 – 11 micrograms per liter (µg/L)
	MW-1R	cDCE – 160 µg/L, VC – 68 J µg/L
Immediately Down-gradient of Source Area	MW-09	PCE – 74 µg/L, TCE – 140 µg/L, cDCE – 250 µg/L, VC – 51 J µg/L
	MW-07	cDCE – 17 µg/L, VC – 100 J µg/L
	IW-25	cDCE – 120 µg/L, VC – 60 J µg/L
	MW-13	PCE – 800 µg/L, TCE – 310 µg/L, cDCE – 600 µg/L, tDCE – 7.8 µg/L, VC – 77 J µg/L
Down-gradient Plume Area	-	No exceedances

Groundwater Contaminant Concentrations and Remedy Effectiveness

CVOCs

Relative to the 4th Quarter of 2022, the sampling results from the 1st Quarter of 2023 show the following changes:

- Decreased concentrations of PCE and/or TCE are noted at MW-1R, MW-02, MW-09, MW-13, and IW-25;
- Increased concentrations of breakdown products are noted at MW-1R, MW-07, and MW-13 (VC);
- Decreased concentrations of breakdown products are noted at MW-09, IW-25, and MW-13 (cDCE and tDCE); 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, increases in CVOC breakdown products, and reductions in detections/exceedances in the down-gradient plume area (particularly for cDCE and VC). These results suggest that degradation is ongoing following the 2017/2018 plume treatment. This apparent trend will be further evaluated following subsequent sampling events.

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 2023 Q2 sampling event:

- Based on favorable sampling results and the continued sampling of additional wells more proximal to the plume centerline, it is recommended that sampling of MW-08, MW-10, MW-10BR, and MW-11 be discontinued.
- Remaining wells be sampled for VOCs using passive diffusion bags.
- To further evaluate the presence of Per- and Polyfluoroalkyl Substances (PFAS) at the site, it is recommended that MW-1R, MW-2, MW-5, and MW-7 be sampled using low-flow methods and include sampling for 40 compound target analyte list PFAS in addition to VOCs.

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

Figure 5 – Summary of CVOCs in Bedrock Groundwater

Table 1 – Summary of Groundwater Elevations

Table 2 – Summary of Sampled Wells

Table 3 – Summary of Groundwater Sampling Results

Table 4 – Proposed 2023 Q2 Sampling

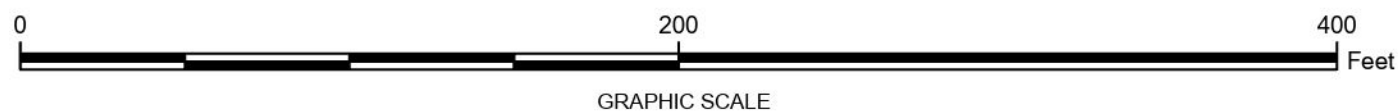
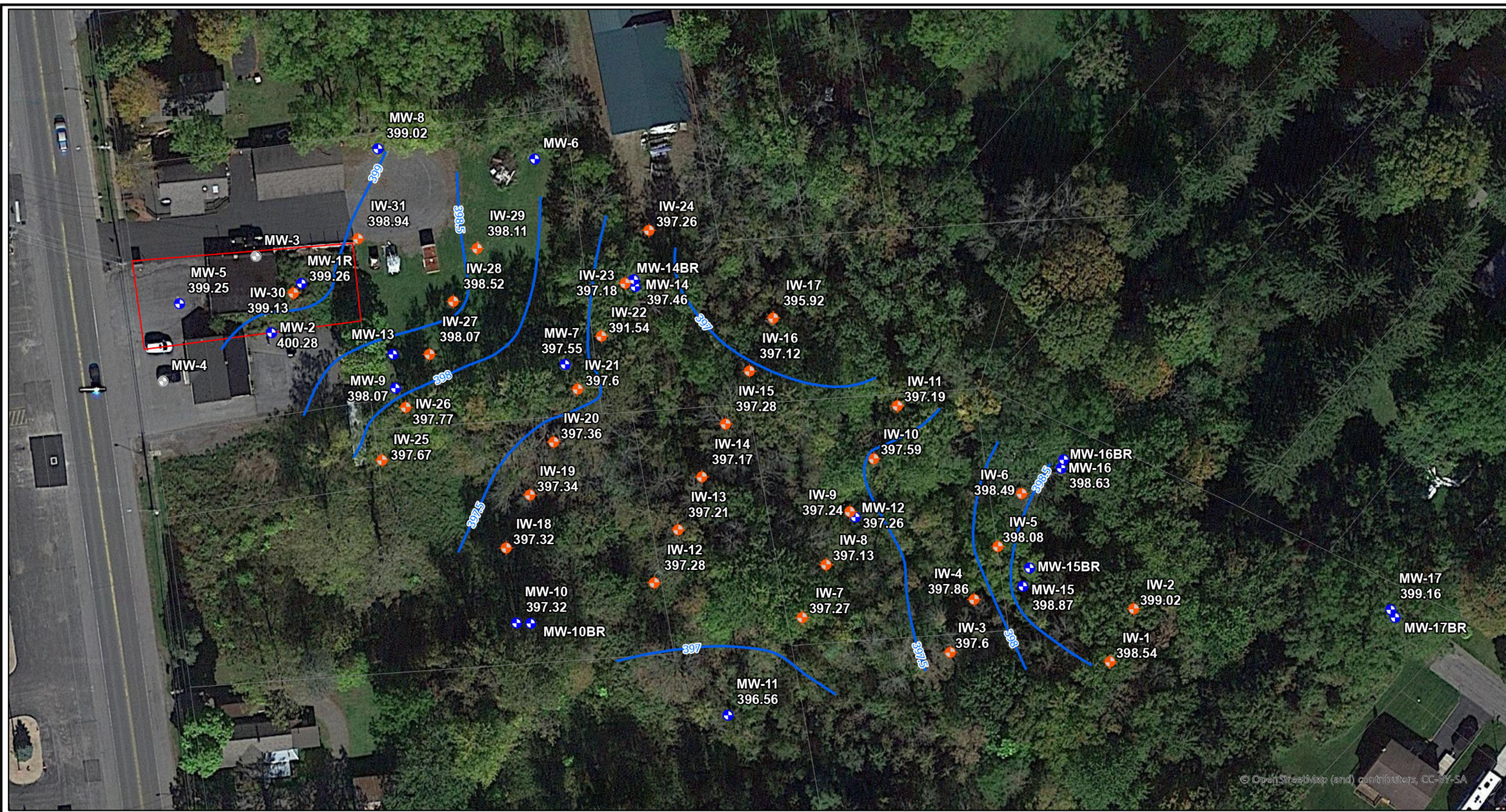
Appendix A – Laboratory Analytical Reports

Appendix B – Data Usability Summary Report



FIGURE 1

City: Clifton Park Div/Group: ENV Created By: D.Giroux Last Saved By: Giroux
Project: 30135043.02
T:\ENV\NYSD\Brewerton Jack's\Brewerton Jack's.aprx PotMaps.aprx 5/4/2023 12:42 PM



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



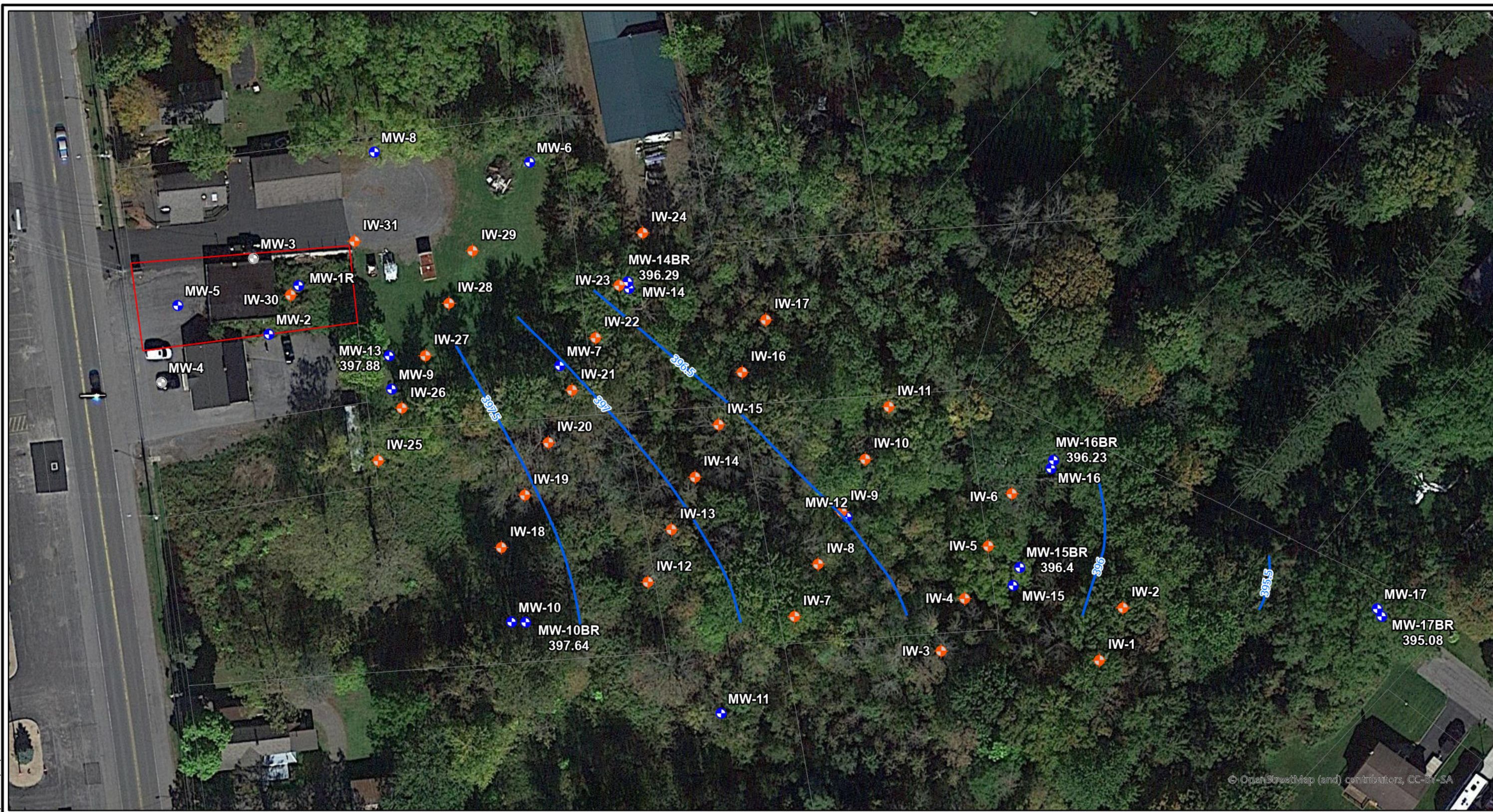
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BREWERTON JACK'S CLEANERS
9628 Brewerton Road, Brewerton, New York
Site No. 734112

OVERBURDEN POTENTIOMETRIC CONTOUR MAP MARCH 7, 2023



FIGURE
2

City: Clifton Park Div/Group: ENV Created By: D.Giroux Last Saved By: Giroux
Project: 30135043.02
TX: ENV\NYSD\Brewerton_Jack's\Brewerton_PotMaps.aprx 5/4/2023 12:45 PM



Legend

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

NOTES:
Aerial Background: Google Satellite

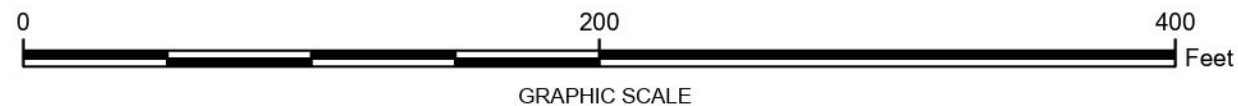
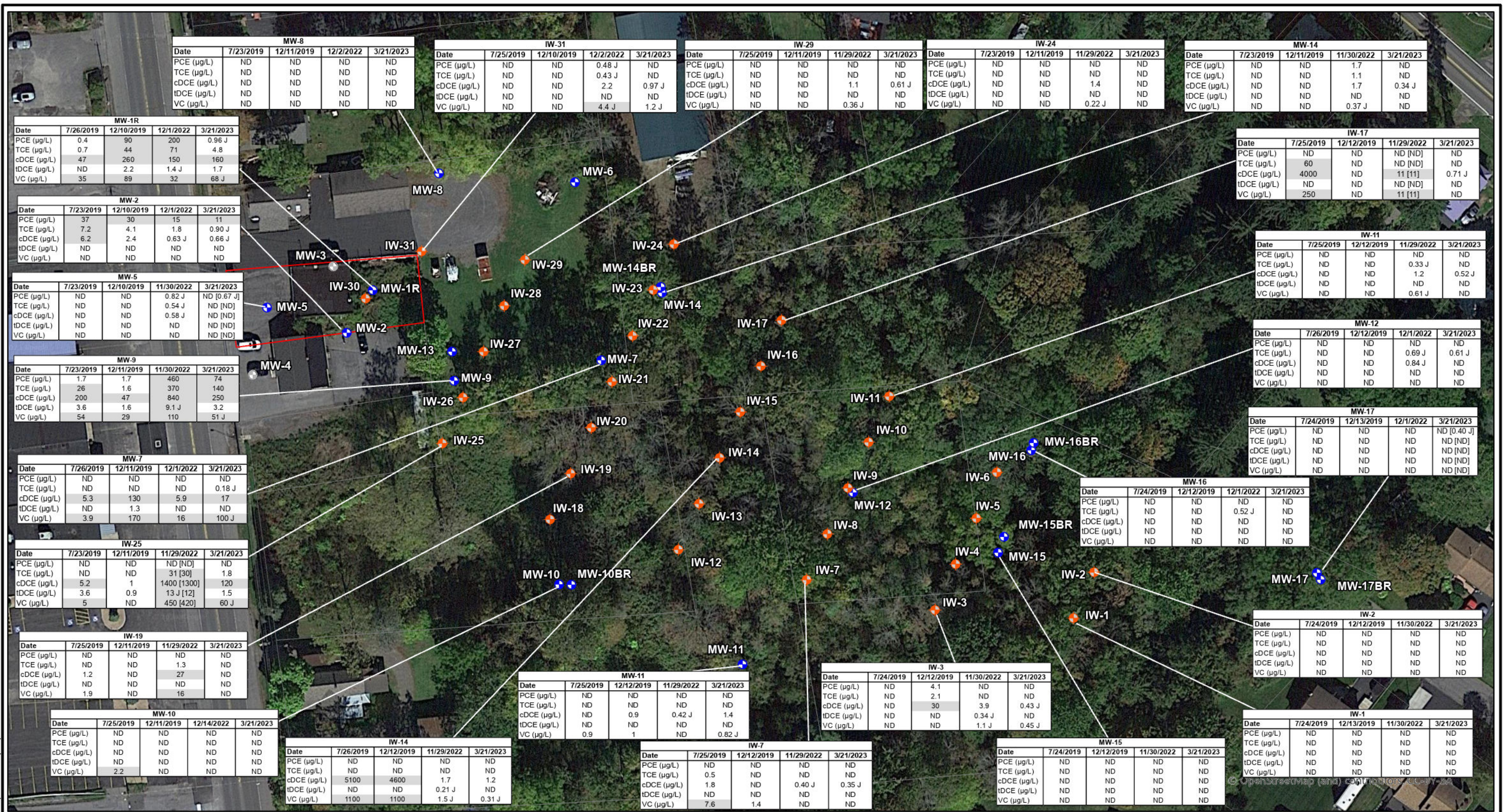


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BREWERTON JACK'S CLEANERS
9628 Brewerton Road, Brewerton, New York
Site No. 734112

**BEDROCK POTENTIOMETRIC
CONTOUR MAP
MARCH 7, 2023**



FIGURE
3



Legend

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

NOTES:
µg/l - micrograms per liter.
Shaded cells exceed corresponding NYSDEC Class GA Standard.
J - Indicates an estimated value.
ND - Not detected.
Additional values shown in brackets represent a duplicate sample collected at this location.

Aerial Background: Google Satellite



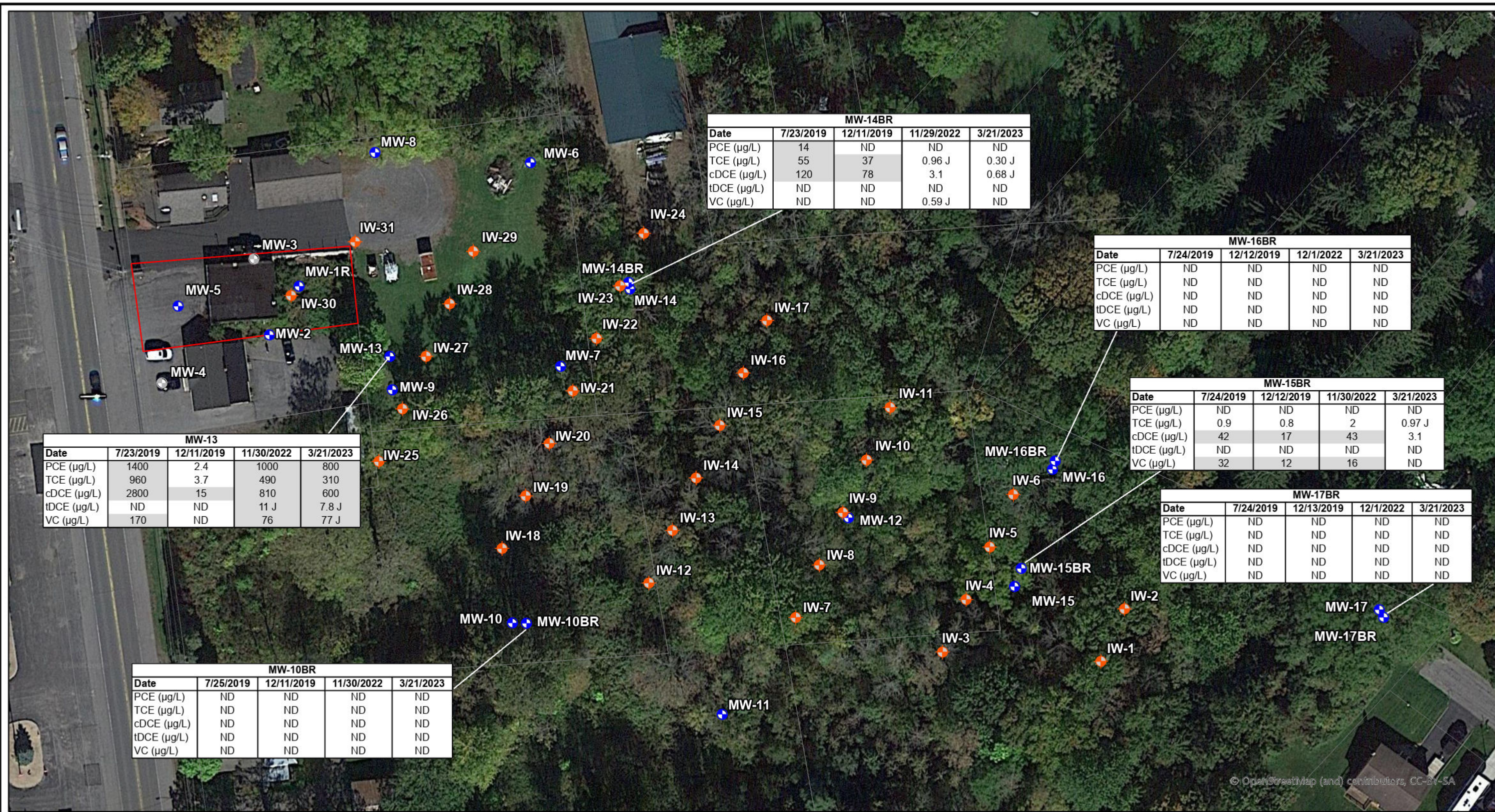
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BREWERTON JACK'S CLEANERS
9628 Brewerton Road, Brewerton, New York
Site No. 734112

SUMMARY OF CVOCS IN OVERBURDEN GROUNDWATER



FIGURE
4

City: Clifton Park Div/Group: ENV Created By: D.Giroux Last Saved By: Giroux
Project: 30135043.02
File: ENVNYSDEC\Brewerton Jack's Cleaners\Hilbox\Map\HilboxMap.aprx 5/2/2023 10:31 AM



MW-14BR				
Date	7/23/2019	12/11/2019	11/29/2022	3/21/2023
PCE (µg/L)	14	ND	ND	ND
TCE (µg/L)	55	37	0.96 J	0.30 J
cDCE (µg/L)	120	78	3.1	0.68 J
tDCE (µg/L)	ND	ND	ND	ND
VC (µg/L)	ND	ND	0.59 J	ND

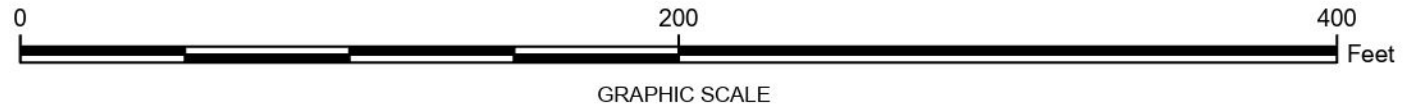
MW-16BR				
Date	7/24/2019	12/12/2019	12/1/2022	3/21/2023
PCE (µg/L)	ND	ND	ND	ND
TCE (µg/L)	ND	ND	ND	ND
cDCE (µg/L)	ND	ND	ND	ND
tDCE (µg/L)	ND	ND	ND	ND
VC (µg/L)	ND	ND	ND	ND

MW-15BR				
Date	7/24/2019	12/12/2019	11/30/2022	3/21/2023
PCE (µg/L)	ND	ND	ND	ND
TCE (µg/L)	0.9	0.8	2	0.97 J
cDCE (µg/L)	42	17	43	3.1
tDCE (µg/L)	ND	ND	ND	ND
VC (µg/L)	32	12	16	ND

MW-17BR				
Date	7/24/2019	12/13/2019	12/1/2022	3/21/2023
PCE (µg/L)	ND	ND	ND	ND
TCE (µg/L)	ND	ND	ND	ND
cDCE (µg/L)	ND	ND	ND	ND
tDCE (µg/L)	ND	ND	ND	ND
VC (µg/L)	ND	ND	ND	ND

MW-13				
Date	7/23/2019	12/11/2019	11/30/2022	3/21/2023
PCE (µg/L)	1400	2.4	1000	800
TCE (µg/L)	960	3.7	490	310
cDCE (µg/L)	2800	15	810	600
tDCE (µg/L)	ND	ND	11 J	7.8 J
VC (µg/L)	170	ND	76	77 J

MW-10BR				
Date	7/25/2019	12/11/2019	11/30/2022	3/21/2023
PCE (µg/L)	ND	ND	ND	ND
TCE (µg/L)	ND	ND	ND	ND
cDCE (µg/L)	ND	ND	ND	ND
tDCE (µg/L)	ND	ND	ND	ND
VC (µg/L)	ND	ND	ND	ND



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

NOTES:
µg/l - micrograms per liter.
Shaded cells exceed corresponding NYSDEC Class GA Standard.
J - Indicates an estimated value.
ND - Not detected.

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**

ARCADIS

FIGURE
5

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	
								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
MW-2	401.39	401.10	1179406.36	938401.50	2	--	15	1.48	399.62	1.51	399.59	0.82	400.28
MW-5	402.55	402.12	1179423.871	938346.0339	2	--	15	2.60	399.52	2.72	399.40	2.87	399.25
MW-7	400.29	399.98	1179387.253	938578.4808	2	20.5	20.5	1.99	397.99	2.77	397.21	2.43	397.55
MW-8	404.24	403.92	1179517.282	938465.6356	2	15	15	4.53	399.39	4.17	399.75	4.90	399.02
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
MW-10	397.8	400.39	1179231.273	938549.1697	2	-	15.5	3.05	397.34	3.01	397.38	3.07	397.32
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
MW-11	397.6	400.19	1179175.673	938676.702	2	--	18	4.14	396.05	3.69	396.50	3.63	396.56
MW-12	397.5	399.84	1179295.195	938753.4038	2	15	15	2.96	396.88	2.89	396.95	2.58	397.26
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
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
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
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
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
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
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
MW-17	401.90	404.19	1179239.28	939076.09	2	--	17	4.61	399.58	6.03	398.16	5.03	399.16
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
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
IW-2	UNK	401.22	1179239.81	938921.23	2	--	17	2.40	398.82	2.68	398.54	2.20	399.02
IW-3	UNK	399.85	1179213.54	938810.60	2	18	18	2.78	397.07	2.63	397.22	2.25	397.60
IW-4	UNK	400.09	1179245.46	938824.95	2	17.5	18.9	NM	--	2.71	397.38	2.23	397.86
IW-5	UNK	401.25	1179277.39	938839.30	2	17.5	18	NM	--	4.21	397.04	3.17	398.08
IW-6	UNK	402.93	1179309.31	938853.65	2	17	18	NM	--	5.31	397.62	4.44	398.49
IW-7	UNK	398.63	1179234.54	938721.37	2	17	18	NM	--	1.60	397.03	1.36	397.27
IW-8	UNK	398.67	1179266.46	938735.72	2	16	18	NM	--	1.72	396.95	1.54	397.13
IW-9	UNK	399.57	1179298.38	938750.06	2	14	17	NM	--	2.47	397.10	2.33	397.24
IW-10	UNK	400.15	1179330.31	938764.41	2	14	17	NM	--	3.22	396.93	2.56	397.59
IW-11	UNK	400.44	1179362.23	938778.76	2	16	18	2.91	397.53	3.45	396.99	3.25	397.19
IW-12	UNK	398.14	1179255.53	938632.13	2	15	16.8	NM	--	1.04	397.10	0.86	397.28
IW-13	UNK	398.34	1179287.46	938646.48	2	17	20.5	NM	--	1.35	396.99	1.13	397.21
IW-14	UNK	399.64	1179319.38	938660.83	2	18	21	3.54	396.10	2.78	396.86	2.47	397.17
IW-15	UNK	399.46	1179351.30	938675.18	2	20	21.5	NM	--	2.44	397.02	2.18	397.28
IW-16	UNK	398.63	1179383.23	938689.53	2	20	21	NM	--	1.76	396.87	1.51	397.12
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
IW-18	UNK	398.89	1179276.53	938542.90	2	16.5	20	NM	--	1.69	397.20	1.57	397.32
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
IW-20	UNK	398.39	1179340.38	938571.59	2	15.5	19	NM	--	1.20	397.19	1.03	397.36
IW-21	UNK	399.29	1179372.30	938585.94	2	15	20.5	NM	--	1.81	397.48	1.69	397.60
IW-22	UNK	398.25	1179404.23	938600.29	2	14	18.5	NM	--	0.84	397.41	6.71	391.54
IW-23	UNK	399.14	1179436.15	938614.64	2	17.5	20	NM	--	2.03	397.11	1.96	397.18
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
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
IW-26	UNK	398.56	1179361.36	938482.35	2	12.5	15.5	NM	--	0.73	397.83	0.79	397.77
IW-27	UNK	400.66	1179393.28	938496.70	2	16.8	20.5	NM	--	2.73	397.93	2.59	398.07
IW-28	UNK	401.41	1179425.21	938511.05	2	17	20.2	NM	--	2.55	398.86	2.89	398.52
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
IW-30	UNK	401.27	1179430.23	938414.63	2	13.5	15	NM	--	1.94	399.33	2.14	399.13
IW-31	UNK	403.63	1179462.15	938428.98	2	16	18	4.39	399.24	4.07	399.56	4.69	398.94

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

Table 2
Summary of 2023 Q1 Sampling
Brewerton Jack's Cleaners RA

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

Summary of Groundwater Sampling Results
2023 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID: Date Collected:	NYSDEC Class GA Groundwater Standards	Units	IW-1 07/24/19	IW-1 12/13/19	IW-1 11/30/22	IW-1 03/21/23	IW-2 07/24/19	IW-2 12/12/19	IW-2 11/30/22	IW-2 03/21/23	IW-3 07/24/19	IW-3 12/12/19	IW-3 11/30/22	IW-3 03/21/23	IW-7 07/25/19	IW-7 12/12/19	IW-7 11/29/22	IW-7 03/21/23	IW-11 07/25/19	IW-11 12/12/19	IW-11 11/29/22
Volatile Organic Compounds																					
1,1-Dichloroethane	5	µg/L	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U
1,1-Dichloroethene	5	µg/L	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U
1,2-Dichloroethane	0.6	µg/L	ND	ND	0.31 UJ	1 U	ND	ND	0.31 UJ	1 U	ND	ND	0.31 UJ	1 U	ND	ND	0.31 UJ	1 U	ND	ND	0.31 UJ
1,4-Dioxane	--	µg/L	NA	NA	21 U	50 U	NA	NA	21 U	50 U	NA	NA	21 U	50 U	NA	NA	21 U	50 U	NA	NA	21 U
2-Butanone (MEK)	50	µg/L	ND	67	15 J	20 U	100	48	3.5 J	20 U	400	780	11 J	20 U	6.3	18	1.6 U	20 U	980	420	3.5 J
Acetone	50	µg/L	ND	250	75	50 U	960	660	26 J	50 U	650	340	19 J	50 U	7.3	45	3.6 J	50 U	1,500	880	4.8 J
Bromodichloromethane	50	µg/L	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U
Carbon Disulfide	60	µg/L	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U
Chlorodibromomethane	50	µg/L	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U
Chloroethane	5	µg/L	ND	ND	0.32 U	2 U	ND	ND	0.32 U	2 U	ND	ND	0.32 U	2 U	ND	1	0.32 U	2 U	ND	ND	0.32 U
Chloroform	7	µg/L	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U
Chloromethane	5	µg/L	ND	ND	0.52 U	2 U	ND	ND	0.52 U	2 U	ND	1.4	0.52 U	2 U	ND	1	0.52 U	2 U	ND	ND	0.52 U
cis-1,2-Dichloroethene	5	µg/L	ND	ND	0.15 U	1 U	ND	ND	0.15 U	1 U	ND	30	3.9	0.43 J	1.8	ND	0.40 J	0.35 J	ND	ND	1.2
Cyclohexane	--	µg/L	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	1.5	1.5	NA	NA	ND	ND	NA
Dichloromethane	5	µg/L	2.8	17	0.23 U	5 U	2.1	1.9	0.23 U	5 U	100	ND	0.23 U	5 U	ND	ND	0.23 U	5 U	ND	41	0.23 U
Diethyl ether	--	µg/L	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U
Di-isopropyl ether	--	µg/L	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U
Isopropylbenzene	5	µg/L	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U
Methyl Acetate	--	µg/L	ND	ND	0.45 U	1 U	ND	ND	0.45 U	1 U	ND	ND	0.45 U	1 U	ND	ND	0.45 U	1 U	ND	ND	0.45 U
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 U	250	ND	1.1 U
Methylcyclohexane	--	µg/L	ND	ND	0.24 U	1 U	ND	ND	0.24 U	1 U	ND	ND	0.24 U	1 U	0.5	0.3	0.24 U	1 U	ND	ND	0.24 U
tert-Butylbenzene	5	µg/L	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U
Tetrachloroethene	5	µg/L	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	ND	4.1	0.19 U	1 U	ND	ND	0.19 U	1 U	ND	ND	0.19 U
Tetrahydrofuran	50	µg/L	NA	NA	11	10 U	NA	NA	2.6 J	10 U	NA	NA	36	1.3 J	NA	NA	0.49 U	10 U	NA	NA	2.2 J
trans-1,2-Dichloroethene	5	µg/L	ND	ND	0.17 UJ	1 U	ND	ND	0.17 UJ	1 U	ND	ND	0.34 J	1 U	ND	ND	0.17 UJ	1 U	ND	ND	0.17 UJ
Trichloroethene	5	µg/L	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	ND	2.1	0.19 U	1 U	0.5	ND	0.19 U	1 U	ND	ND	0.33 J
Vinyl chloride	2	µg/L	ND	ND	0.21 U	2 U	ND	ND	0.21 U	2 U	ND	ND	1.1 J	0.45 J	7.6	1.4	0.21 U	2 U	ND	ND	0.61 J
Benzene	1	µg/L	ND	ND	0.2 U	1 U	ND	ND	0.2 U	1 U	ND	ND	0.2 U	1 U	0.9	1.1	0.81 J	1.0	ND	ND	0.2 U
Toluene	5	µg/L	ND	ND	0.25 J	1.0	ND	ND	0.30 J	0.94 J	ND	ND	0.22 U	1 U	ND	ND	0.22 U	2.5	ND	ND	0.22 U
Methyl-tert-butylether	10	µg/L	ND	ND	0.17 U	1 U	ND	ND	0.17 U	1 U	ND	ND	0.17 U	1 U	0.3	0.4	0.50 J	1 U	ND	ND	0.17 U
Total VOCs (Max DL)	--	µg/L	2.8	334	90.25 J	1	1,062.1	709.9	29.8 J	0.94 J	1,150	1,157.6	35.34 J	0.88 J	26.7	69.7	5.31 J	3.85 J	2,730	1,341	10.44 J
Dissolved Gases																					
Ethane	--	µg/L	ND	ND	2.6 U	NA	ND	ND	2.6 U	NA	ND	ND	2.6 U	NA	ND	ND	63	NA	ND	ND	2.6 U
Ethene	--	µg/L	ND	ND	3 U	NA	ND	ND	3 U	NA	ND	ND	3 U	NA	ND	3,100	3 U	NA	ND	ND	3 U
Methane	--	µg/L	ND	15,000	7,300	NA	NA	6,600	200	NA	NA	19,000	5,300	NA	NA	21,000	12,000	NA	NA	9,100	12,000
PFAS NYSDEC Maximum Contaminant Levels (MCL)																					
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	--	ng/L	NA	NA	NA	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	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	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	--	ng/L	NA	NA	NA	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	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	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	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	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Perfluoroalkylated substances (PFASs)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Table 3
Summary of Groundwater Sampling Results
2023 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID: Date Collected:	NYSDEC Class GA Groundwater Standards	Units	IW-11 03/21/23	IW-14 07/26/19	IW-14 12/12/19	IW-14 11/29/22	IW-14 03/21/23	IW-17 07/25/19	IW-17 12/12/19	IW-17 11/29/22	IW-17 03/21/23	IW-19 07/25/19	IW-19 12/11/19	IW-19 11/29/22	IW-19 03/21/23	IW-24 07/23/19	IW-24 12/11/19	IW-24 11/29/22	IW-24 03/21/23	IW-25 07/23/19	IW-25 12/11/19
Volatile Organic Compounds																					
1,1-Dichloroethane	5	µg/L	1 U	ND	ND	0.14 U	1 U	ND	ND	0.81 J [0.86 J]	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND
1,1-Dichloroethene	5	µg/L	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U [0.14 U]	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND
1,2-Dichloroethane	0.6	µg/L	1 U	ND	ND	0.31 UJ	1 U	ND	ND	0.86 J [0.9 J]	0.55 J	0.7	ND	0.31 UJ	1 U	ND	ND	0.31 UJ	1 U	ND	ND
1,4-Dioxane	--	µg/L	50 U	NA	NA	21 U	50 U	NA	NA	21 UJ [21 U]	50 U	NA	NA	21 U	50 U	NA	NA	21 U	50 U	NA	NA
2-Butanone (MEK)	50	µg/L	20 U	760	750	13 J	20 U	740	200	12 J [12 J]	20 U	87	89	1.6 U	20 U	22	80	6.9 J	20 U	12	1.5
Acetone	50	µg/L	50 U	ND	ND	5.3 J	50 U	ND	ND	9.6 J [9.4 J]	50 U	37	130	2.6 J	50 U	39	110	28 J	50 U	39	4
Bromodichloromethane	50	µg/L	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U [0.18 U]	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND
Carbon Disulfide	60	µg/L	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U [1.4 U]	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	ND	ND
Chlorodibromomethane	50	µg/L	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U [0.22 U]	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND
Chloroethane	5	µg/L	2 U	ND	ND	0.32 U	2 U	ND	ND	0.32 U [0.32 U]	2 U	ND	ND	0.32 U	2 U	ND	ND	0.32 U	2 U	ND	ND
Chloroform	7	µg/L	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U [0.17 U]	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND
Chloromethane	5	µg/L	2 U	ND	ND	0.52 U	2 U	ND	ND	0.52 U [0.52 U]	2 U	ND	ND	0.52 U	2 U	ND	ND	0.52 U	2 U	ND	ND
cis-1,2-Dichloroethene	5	µg/L	0.52 J	5,100	4,600	1.7	1.2	4,000	ND	11 [11]	0.71 J	1.2	ND	27	1 U	ND	ND	1.4	1 U	5.2	1
Cyclohexane	--	µg/L	NA	ND	ND	NA	NA	ND	ND	NA	NA	3.7	3.8	NA	NA	ND	ND	NA	NA	15	7
Dichloromethane	5	µg/L	5 U	50	95	0.23 U	5 U	ND	100	0.23 U [0.23 U]	5 U	ND	ND	0.23 U	5 U	ND	ND	0.23 U	5 U	ND	ND
Diethyl ether	--	µg/L	2 U	NA	NA	0.18 U	2 U	NA	NA	0.75 J [0.81 J]	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA
Di-isopropyl ether	--	µg/L	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.26 J [0.28 J]	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA
Isopropylbenzene	5	µg/L	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U [0.11 U]	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND
Methyl Acetate	--	µg/L	1 U	ND	ND	0.45 U	1 U	ND	ND	2.0 J [1.8]	1 U	ND	ND	0.45 U	1 U	ND	ND	0.91 J	1 U	ND	ND
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	10 U	ND	ND	1.1 U	10 U	ND	ND	1.1 U [1.1 U]	10 U	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 U	ND	ND
Methylcyclohexane	--	µg/L	1 U	ND	ND	0.24 U	1 U	ND	ND	0.24 U [0.24 U]	1 U	0.4	9.8	0.24 U	0.44 J	ND	ND	0.24 U	1 U	1.4	0.6
tert-Butylbenzene	5	µg/L	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U [0.13 U]	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA
Tetrachloroethene	5	µg/L	1 U	ND	ND	0.19 U	1 U	ND	ND	0.19 U [0.19 U]	1 U	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	ND	ND
Tetrahydrofuran	50	µg/L	10 U	NA	NA	0.49 U	10 U	NA	NA	0.49 U [0.49 U]	10 U	NA	NA	0.49 U	10 U	NA	NA	1.3 J	10 U	NA	NA
trans-1,2-Dichloroethene	5	µg/L	1 U	ND	ND	0.21 J	1 U	ND	ND	0.17 U [0.17 U]	1 U	ND	ND	0.17 UJ	1 U	ND	ND	0.17 UJ	1 U	3.6	0.9
Trichloroethene	5	µg/L	1 U	ND	ND	0.19 U	1 U	60	ND	0.19 U [0.19 U]	1 U	ND	ND	1.3	1 U	ND	ND	0.19 U	1 U	ND	ND
Vinyl chloride	2	µg/L	2 U	1,100	1,100	1.5 J	0.31 J	250	ND	11 [11]	2 U	1.9	ND	16	2 U	ND	ND	0.22 J	2 UJ	5	ND
Benzene	1	µg/L	1 U	ND	ND	1.2	1.2	ND	ND	1.7 [1.8]	1.1	4.6	ND	3.5	3.2	ND	ND	0.2 U	1 U	3.1	2.9
Toluene	5	µg/L	1 U	ND	ND	0.39 J	1.0	ND	ND	0.33 J [0.3 J]	0.31 J	ND	ND	0.98 J	0.99 J	ND	ND	0.22 U	0.25 J	ND	ND
Methyl-tert-butylether	10	µg/L	1 U	ND	ND	0.17 U	1 U	ND	ND	0.56 J [0.57 J]	1 U	1.8	ND	0.98 J	1 U	0.2	ND	0.58 J	1 U	ND	ND
Total VOCs (Max DL)	--	µg/L	0.52 J	7,010	6,545	23.3 J	3.71 J	5,050	300	49.86 J [49.63 J]	2.67 J	138.3	232.6	52.36 J	4.63 J	61.2	190	38.01 J	0.25 J	84.3	17.9
Dissolved Gases																					
Ethane	--	µg/L	NA	ND	38	68	NA	ND	ND	160 [170]	NA	ND	ND	19	NA	ND	ND	2.6 U	NA	ND	55
Ethene	--	µg/L	NA	ND	1,800	6.7 J	NA	ND	ND	120 [130]	NA	ND	ND	3 U	NA	ND	ND	3 U	NA	ND	ND
Methane	--	µg/L	NA	NA	4,900	11,000	NA	NA	9,700	13,000 [12,000]	NA	NA	15,000	8,200	NA	NA	10,000	7,200	NA	NA	15,000
PFAS																					
NYSDEC Maximum Contaminant Levels (MCL)																					
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	--	ng/L	NA	NA	NA	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	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	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	--	ng/L	NA	NA	NA	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	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	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	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	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Perfluoroalkylated substances (PFASs)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Summary of Groundwater Sampling Results
2023 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID: Date Collected:	NYSDEC Class GA Groundwater Standards	Units	IW-25 11/29/22	IW-25 03/21/23	IW-29 07/25/19	IW-29 12/11/19	IW-29 11/29/22	IW-29 03/21/23	IW-31 07/25/19	IW-31 12/10/19	IW-31 12/02/22	IW-31 03/21/23	MW-1R 07/26/19	MW-1R 12/10/19	MW-1R 12/01/22	MW-1R 03/21/23	MW-2 07/23/19	MW-2 12/10/19	MW-2 12/01/22	MW-2 03/21/23
Volatile Organic Compounds																				
1,1-Dichloroethane	5	µg/L	2.8 U [1.4 U]	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.84 J	0.40 J	ND	ND	0.14 U	1 U
1,1-Dichloroethene	5	µg/L	2.8 U [2 J]	0.25 J	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	1.6	0.66 J	0.33 J	ND	ND	0.14 U	1 U
1,2-Dichloroethane	0.6	µg/L	6.2 UJ [3.1 U]	1 U	ND	ND	0.31 UJ	1 U	ND	ND	0.31 U	1 U	ND	ND	0.62 U	1 U	ND	ND	0.31 U	1 U
1,4-Dioxane	--	µg/L	410 U [210 U]	50 U	NA	NA	21 U	50 U	NA	NA	21 U	50 U	ND	NA	41 U	50 U	NA	NA	21 U	50 U
2-Butanone (MEK)	50	µg/L	32 U [16 U]	20 U	ND	ND	1.6 U	20 U	ND	ND	1.6 U	20 U	9.2	ND	3.2 U	20 U	ND	ND	1.6 U	20 U
Acetone	50	µg/L	41 U [20 U]	50 U	42	ND	2.3 J	50 U	ND	ND	4.5 J	50 U	120	34	4.1 U	50 U	3.6	ND	2 U	50 U
Bromodichloromethane	50	µg/L	3.6 U [1.8 U]	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.36 U	0.5 U	ND	ND	0.70	0.30 J
Carbon Disulfide	60	µg/L	29 U [14 U]	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	ND	ND	2.9 U	5 U	ND	ND	1.4 U	5 U
Chlorodibromomethane	50	µg/L	4.4 U [2.2 U]	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.44 U	0.5 U	ND	ND	0.33 J	0.5 U
Chloroethane	5	µg/L	6.4 U [3.2 U]	2 U	ND	ND	0.32 U	0.97 J	ND	ND	0.32 U	2 U	0.88	ND	0.64 U	2 U	ND	ND	0.32 U	2 U
Chloroform	7	µg/L	3.4 U [1.7 U]	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND	0.34 U	2 U	0.7	ND	0.17 U	0.59 J
Chloromethane	5	µg/L	10 U [5.2 U]	2 U	ND	ND	0.52 U	2 U	ND	ND	0.52 U	2 U	ND	ND	1 U	2 U	ND	ND	0.52 U	2 U
cis-1,2-Dichloroethene	5	µg/L	1,400 [1,300]	120	ND	ND	1.1	0.61 J	ND	ND	2.2	0.97 J	47	260	150	160	6.2	2.4	0.63 J	0.66 J
Cyclohexane	--	µg/L	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA
Dichloromethane	5	µg/L	4.7 U [2.3 U]	5 U	4.6	ND	0.23 U	5 U	5.3	ND	0.23 U	5 U	ND	ND	0.47 U	5 U	ND	ND	0.23 U	5 U
Diethyl ether	--	µg/L	3.6 U [1.8 U]	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	0.36 U	2 U	NA	NA	0.18 U	2 U
Di-isopropyl ether	--	µg/L	2.6 U [1.3 U]	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.26 U	0.5 U	NA	NA	0.13 U	0.5 U
Isopropylbenzene	5	µg/L	2.2 U [1.1 U]	0.24 J	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND	0.22 U	1 U	ND	ND	0.11 U	1 U
Methyl Acetate	--	µg/L	9.1 U [4.5 U]	1 U	ND	ND	0.45 U	1 U	ND	ND	0.45 UJ	1 U	ND	ND	0.91 U	1 U	ND	ND	0.45 U	1 U
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	22 U [11 U]	10 U	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 U	3	ND	2.2 U	10 U	ND	ND	1.1 U	10 U
Methylcyclohexane	--	µg/L	4.9 U [2.4 U]	0.59 J	ND	ND	0.24 U	1 U	ND	ND	0.24 U	1 U	ND	ND	0.49 U	1 U	ND	ND	0.24 U	1 U
tert-Butylbenzene	5	µg/L	2.6 U [1.3 U]	0.36 J	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	0.26 U	1 U	NA	NA	0.13 U	1 U
Tetrachloroethene	5	µg/L	3.7 U [1.9 U]	1 U	ND	ND	0.19 U	1 U	ND	ND	0.48 J	1 U	0.4	90	200	0.96 J	37	30	15	11
Tetrahydrofuran	50	µg/L	9.8 U [4.9 U]	10 U	NA	NA	0.49 U	10 U	NA	NA	0.49 U	10 U	NA	NA	0.98 U	10 U	NA	NA	0.49 U	10 U
trans-1,2-Dichloroethene	5	µg/L	13 J [12]	1.5	ND	ND	0.17 UJ	1 U	ND	ND	0.17 U	1 U	ND	2.2	1.4 J	1.7	ND	ND	0.17 U	1 U
Trichloroethene	5	µg/L	31 [30]	1.8	ND	ND	0.19 U	1 U	ND	ND	0.43 J	1 U	0.7	44	71	4.8	7.2	4.1	1.8	0.90 J
Vinyl chloride	2	µg/L	450 [420]	60 J	ND	ND	0.36 J	2 UJ	ND	ND	4.4 J	1.2 J	35	89	32	68 J	ND	ND	0.21 U	2 UJ
Benzene	1	µg/L	4 U [2.4 J]	2.6	ND	ND	0.2 U	1 U	ND	ND	0.2 U	1 U	ND	ND	0.4 U	1 U	ND	ND	0.2 U	1 U
Toluene	5	µg/L	4.5 U [2.2 U]	0.77 J	ND	ND	0.27 J	1 U	ND	1.5	0.22 U	1 U	ND	ND	0.45 U	1 U	ND	ND	0.22 U	1 U
Methyl-tert-butylether	10	µg/L	3.4 U [1.7 U]	1 U	ND	ND	0.17 U	1 U	ND	ND	0.17 U	1 U	ND	ND	0.34 U	1 U	ND	ND	0.17 U	1 U
Total VOCs (Max DL)	--	µg/L	1,894 J [1,766.4 J]	187.75 J	46.6	0 U	4.03 J	1.58 J	5.3	1.5	12.01 J	2.17 J	216.18	520.8	455.9 J	236.19 J	54.7	36.5	18.46 J	13.45 J
Dissolved Gases																				
Ethane	--	µg/L	4.9 J [90 J]	NA	ND	2.8	2.6 U	NA	ND	ND	2.6 U	NA	NA	NA	140	NA	NA	ND	2.6 U	NA
Ethene	--	µg/L	64 [72]	NA	ND	ND	3 U	NA	ND	ND	3 U	NA	NA	NA	26	NA	NA	ND	3 U	NA
Methane	--	µg/L	4,600 [4,400]	NA	NA	21,000	7,700	NA	NA	11,000	11,000	NA	NA	14,000	2,400	NA	NA	ND	8.4 U	NA
PFAS																				
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	4.46	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	3.67	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	7.92	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	10.1	NA	NA	NA	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	4.1	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.6	NA	10.2	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.8	NA	8.42	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11	NA	14.3	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	NA	9.43	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	7.92 J	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77	NA	415	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39	NA	49.9	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.66	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	19.1	NA	NA	NA	NA	NA
Total Perfluoroalkylated substances (PFASs)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.7	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.
ND - Not detected.
U - The compound was not detected above the listed quantitation limit.

Table 3

Summary of Groundwater Sampling Results

2023 Q1 Sampling

Brewerton Jack's Cleaners RA

NYSDEC Site No. 734112

Location ID: Date Collected:	NYSDEC Class GA Groundwater Standards	Units	MW-5 07/23/19	MW-5 12/10/19	MW-5 11/30/22	MW-5 03/21/23	MW-7 07/26/19	MW-7 12/11/19	MW-7 12/01/22	MW-7 03/21/23	MW-8 07/23/19	MW-8 12/11/19	MW-8 12/02/22	MW-8 03/21/23	MW-9 07/23/19	MW-9 12/11/19	MW-9 11/30/22	MW-9 03/21/23	MW-10 07/25/19	MW-10 12/11/19	MW-10 12/14/22
Volatile Organic Compounds																					
1,1-Dichloroethane	5	µg/L	ND	ND	0.14 U	1 U [1 U]	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	1.4 U	2 U	ND	ND	0.14 U
1,1-Dichloroethene	5	µg/L	ND	ND	0.14 U	1 U [1 U]	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	1.4 U	1.0 J	ND	ND	0.14 U
1,2-Dichloroethane	0.6	µg/L	ND	ND	0.31 U	1 U [1 U]	ND	ND	0.31 U	1 U	ND	ND	0.31 U	1 U	ND	ND	3.1 UJ	2 U	ND	ND	0.31 U
1,4-Dioxane	--	µg/L	NA	NA	21 U	50 U [50 U]	0.31	NA	21 U	50 U	NA	NA	21 U	50 U	NA	NA	210 U	100 U	NA	NA	21 U
2-Butanone (MEK)	50	µg/L	ND	ND	1.6 U	20 U [20 U]	36	ND	1.6 U	20 U	ND	ND	1.6 U	20 U	ND	ND	16 U	40 U	ND	ND	1.6 U
Acetone	50	µg/L	ND	ND	2 U	50 U [50 U]	130	ND	2 U	50 U	ND	ND	3.1 J	50 U	ND	ND	20 U	100 U	ND	47	2 U
Bromodichloromethane	50	µg/L	ND	ND	0.18 U	0.5 U [0.5 U]	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	1.8 U	1 U	ND	ND	0.18 U
Carbon Disulfide	60	µg/L	ND	ND	1.4 U	5 U [5 U]	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	ND	ND	14 U	10 U	ND	ND	1.4 U
Chlorodibromomethane	50	µg/L	ND	ND	0.22 U	0.5 U [0.5 U]	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	2.2 U	1 U	ND	ND	0.22 U
Chloroethane	5	µg/L	ND	ND	0.32 U	2 U [2 U]	ND	ND	0.32 U	2 U	ND	ND	0.32 U	2 U	ND	ND	3.2 U	4 U	ND	ND	0.32 U
Chloroform	7	µg/L	ND	ND	0.17 U	2 U [2 U]	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND	1.7 U	4 U	ND	ND	0.17 U
Chloromethane	5	µg/L	ND	ND	0.52 U	2 UJ [2 U]	ND	ND	0.52 U	2 U	ND	ND	0.52 U	2 U	ND	ND	5.2 U	4 U	ND	ND	0.52 U
cis-1,2-Dichloroethene	5	µg/L	ND	ND	0.58 J	1 U [1 U]	5.3	130	5.9	17	ND	ND	0.15 U	1 U	200	47	840	250	ND	ND	0.15 U
Cyclohexane	--	µg/L	ND	ND	NA	NA	ND	0.3	NA	NA	ND	ND	NA	NA	2.3	2.3	NA	NA	0.7	ND	NA
Dichloromethane	5	µg/L	ND	ND	0.23 U	5 U [5 U]	ND	ND	0.23 U	5 U	ND	ND	0.23 U	5 U	ND	ND	2.3 U	10 U	ND	ND	0.23 U
Diethyl ether	--	µg/L	NA	NA	0.18 U	2 U [2 U]	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	1.8 U	4 U	NA	NA	0.18 U
Di-isopropyl ether	--	µg/L	NA	NA	0.13 U	0.5 U [0.5 UJ]	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	1.3 U	1 U	NA	NA	0.13 U
Isopropylbenzene	5	µg/L	ND	ND	0.11 U	1 U [1 U]	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND	1.1 U	2 U	ND	ND	0.11 U
Methyl Acetate	--	µg/L	ND	ND	0.45 U	1 U [1 U]	ND	ND	0.45 U	1 U	ND	ND	0.45 UJ	1 U	ND	ND	4.5 U	2 U	ND	ND	0.45 UJ
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	ND	ND	1.1 U	10 U [10 U]	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 U	ND	ND	11 U	20 U	ND	ND	1.1 U
Methylcyclohexane	--	µg/L	ND	ND	0.24 U	1 U [1 U]	ND	ND	0.24 U	1 U	ND	ND	0.24 U	1 U	0.9	0.7	2.4 U	2 U	0.2	ND	0.24 U
tert-Butylbenzene	5	µg/L	NA	NA	0.13 U	1 U [1 U]	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	1.3 U	2 U	NA	NA	0.13 U
Tetrachloroethene	5	µg/L	ND	ND	0.82 J	1 U [0.67 J]	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	1.7	1.7	460	74	ND	ND	0.19 U
Tetrahydrofuran	50	µg/L	NA	NA	0.49 U	10 U [10 U]	NA	NA	0.49 U	10 U	NA	NA	0.49 U	10 U	NA	NA	4.9 U	20 U	NA	NA	0.49 U
trans-1,2-Dichloroethene	5	µg/L	ND	ND	0.17 U	1 U [1 U]	ND	1.3	0.17 U	1 U	ND	ND	0.17 U	1 U	3.6	1.6	9.1 J	3.2	ND	ND	0.17 U
Trichloroethene	5	µg/L	ND	ND	0.54 J	1 U [1 U]	ND	ND	0.19 U	0.18 J	ND	ND	0.19 U	1 U	26	1.6	370	140	ND	ND	0.19 U
Vinyl chloride	2	µg/L	ND	ND	0.21 U	2 UJ [2 U]	3.9	170	16	100 J	ND	ND	0.21 UJ	2 UJ	54	29	110	51 J	2.2	ND	0.21 U
Benzene	1	µg/L	ND	ND	0.2 U	1 U [1 U]	ND	ND	0.24 J	0.19 J	ND	ND	0.2 U	1 U	ND	ND	2 U	2 U	ND	ND	0.2 U
Toluene	5	µg/L	ND	ND	0.22 U	1 U [1 U]	0.7	0.9	0.22 U	1 U	ND	ND	0.22 U	1 U	ND	ND	2.2 U	2 U	ND	ND	0.22 U
Methyl-tert-butylether	10	µg/L	ND	ND	0.17 U	1 U [1 U]	ND	ND	0.17 U	1 U	ND	ND	0.17 U	1 U	ND	ND	1.7 U	2 U	1.4	ND	1.0
Total VOCs (Max DL)	--	µg/L	0 U	0 U	1.94 J	50 U [0.67 J]	175.9	302.5	22.14 J	117.37 J	0 U	0 U	3.1 J	50 U	288.5	83.9	1,789.1 J	519.2 J	4.5	47	1
Dissolved Gases																					
Ethane	--	µg/L	NA	ND	2.6 U	NA	NA	67	91	NA	NA	ND	2.6 U	NA	NA	24	36	NA	NA	27	35
Ethene	--	µg/L	NA	ND	3 U	NA	NA	ND	11 J	NA	NA	ND	3 U	NA	NA	15	5.6 J	NA	NA	ND	3 U
Methane	--	µg/L	NA	15	1.2 U	NA	NA	20,000	8,000	NA	NA	ND	19	NA	NA	6,400	2,100	NA	NA	1,700	5,000
PFAS																					
NYSDEC Maximum Contaminant Levels (MCL)																					
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	ng/L	NA	NA	NA	NA	NA	NA	1.56 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	--	ng/L	NA	NA	NA	NA	2.1	NA	2.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	--	ng/L	NA	NA	NA	NA	6.5	NA	6.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	--	ng/L	NA	NA	NA	NA	ND	NA	1.56 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	--	ng/L	NA	NA	NA	NA	ND	NA	1.56 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	--	ng/L	NA	NA	NA	NA	2.9	NA	2.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	--	ng/L	NA	NA	NA	NA	1.4	NA	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	--	ng/L	NA	NA	NA	NA	5.6	NA	7.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	--	ng/L	NA	NA	NA	NA	0.59	NA	1.09 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	--	ng/L	NA	NA	NA	NA	0.4	NA	1.56 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/L	NA	NA	NA	NA	5.6	NA	42.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/L	NA	NA	NA	NA	8.7	NA	9.99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	--	ng/L	NA	NA	NA	NA	NA	NA	1.56 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	--	ng/L	NA	NA	NA	NA	7.4	NA	9.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Perfluoroalkylated substances (PFASs)	--	ng/L	NA	NA	NA	NA	41.2	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.

ND - Not detected.

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

Summary of Groundwater Sampling Results
2023 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID: Date Collected:	NYSDEC Class GA Groundwater Standards	Units	MW-10 03/21/23	MW-10BR 07/25/19	MW-10BR 12/11/19	MW-10BR 11/30/22	MW-10BR 03/21/23	MW-11 07/25/19	MW-11 12/12/19	MW-11 11/29/22	MW-11 03/21/23	MW-12 07/26/19	MW-12 12/12/19	MW-12 12/01/22	MW-12 03/21/23	MW-13 07/23/19	MW-13 12/11/19	MW-13 11/30/22	MW-13 03/21/23	MW-14 07/23/19
Volatile Organic Compounds																				
1,1-Dichloroethane	5	µg/L	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	1.4 U	10 U	ND
1,1-Dichloroethene	5	µg/L	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	1.8 J	2.2 J	ND
1,2-Dichloroethane	0.6	µg/L	1 U	ND	ND	0.31 UJ	1 U	ND	ND	0.31 UJ	1 U	ND	ND	0.31 U	1 U	ND	ND	3.1 UJ	10 U	ND
1,4-Dioxane	--	µg/L	50 U	NA	NA	21 U	50 U	NA	NA	21 U	50 U	ND	NA	21 U	50 U	NA	NA	210 U	500 U	NA
2-Butanone (MEK)	50	µg/L	20 U	ND	ND	1.6 U	20 U	ND	ND	1.6 U	20 U	ND	32	1.6 U	20 U	ND	ND	16 U	200 U	390
Acetone	50	µg/L	50 U	3.9	3.7	2 U	50 U	ND	ND	2.3 J	50 U	ND	100	2 U	50 U	ND	ND	20 U	500 U	ND
Bromodichloromethane	50	µg/L	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	1.8 U	5 U	ND
Carbon Disulfide	60	µg/L	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	ND	ND	14 U	50 U	ND
Chlorodibromomethane	50	µg/L	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	2.2 U	5 U	ND
Chloroethane	5	µg/L	2 U	ND	ND	0.32 U	2 U	ND	ND	0.32 U	2 U	ND	ND	53	36	ND	ND	3.2 U	20 U	ND
Chloroform	7	µg/L	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND	1.7 U	20 U	ND
Chloromethane	5	µg/L	2 U	ND	ND	0.52 U	2 U	ND	ND	0.52 U	2 U	ND	ND	0.52 U	2 U	ND	ND	5.2 U	20 U	ND
cis-1,2-Dichloroethene	5	µg/L	1 U	ND	ND	0.15 U	1 U	ND	0.9	0.42 J	1.4	ND	ND	0.84 J	1 U	2,800	15	810	600	ND
Cyclohexane	--	µg/L	NA	ND	0.7	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	ND
Dichloromethane	5	µg/L	5 U	ND	ND	0.23 U	5 U	ND	ND	0.23 U	5 U	10	17	0.23 U	5 U	ND	ND	2.3 U	50 U	ND
Diethyl ether	--	µg/L	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	1.8 U	20 U	NA
Di-isopropyl ether	--	µg/L	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	1.3 U	5 U	NA
Isopropylbenzene	5	µg/L	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND	1.1 U	10 U	ND
Methyl Acetate	--	µg/L	1 U	ND	ND	0.45 U	1 U	ND	ND	0.45 U	1 U	ND	ND	0.45 U	1 U	ND	ND	4.5 U	10 U	ND
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	10 U	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 U	ND	ND	11 U	100 U	ND
Methylcyclohexane	--	µg/L	1 U	ND	ND	0.24 U	1 U	ND	ND	0.24 U	1 U	ND	ND	0.24 U	1 U	ND	ND	3.2 J	10 U	ND
tert-Butylbenzene	5	µg/L	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	1.3 U	10 U	NA
Tetrachloroethene	5	µg/L	1 U	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	1,400	2.4	1,000	800	ND
Tetrahydrofuran	50	µg/L	10 U	NA	NA	0.49 U	10 U	NA	NA	0.49 U	10 U	NA	NA	0.49 U	10 U	NA	NA	4.9 U	100 U	NA
trans-1,2-Dichloroethene	5	µg/L	1 U	ND	ND	0.17 UJ	1 U	ND	ND	0.17 UJ	1 U	ND	ND	0.17 U	1 U	ND	ND	11 J	7.8 J	ND
Trichloroethene	5	µg/L	1 U	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	ND	ND	0.69 J	0.61 J	960	3.7	490	310	ND
Vinyl chloride	2	µg/L	2 U	ND	ND	0.21 U	2 U	0.9	1	0.21 U	0.82 J	ND	ND	0.21 U	2 U	170	ND	76	77 J	ND
Benzene	1	µg/L	1 U	ND	ND	0.2 U	1 U	ND	ND	0.2 U	1 U	ND	ND	0.21 J	1 U	ND	ND	2 U	10 U	ND
Toluene	5	µg/L	1 U	ND	ND	0.22 U	1 U	ND	ND	0.22 U	1 U	ND	ND	0.50 J	1 U	ND	ND	2.2 U	10 U	ND
Methyl-tert-butylether	10	µg/L	1 U	1.1	1.4	1.3	1 U	2.6	2.7	0.45 J	1 U	ND	ND	0.17 U	1 U	ND	ND	1.7 U	10 U	ND
Total VOCs (Max DL)	--	µg/L	50 U	5	5.8	1.3	50 U	3.5	4.6	3.17 J	2.22 J	10	149	55.24 J	36.61 J	5,330	21.1	2,392 J	1,797 J	390
Dissolved Gases																				
Ethane	--	µg/L	NA	NA	260	24	NA	NA	ND	72	NA	NA	ND	44	NA	NA	ND	27	NA	NA
Ethene	--	µg/L	NA	NA	ND	3 U	NA	NA	30	3.4 J	NA	NA	ND	5.2 J	NA	NA	ND	5.4 J	NA	NA
Methane	--	µg/L	NA	NA	22,000	1,800	NA	NA	4,500	4,600	NA	NA	20,000	12,000	NA	NA	ND	1,400	NA	NA
PFAS																				
NYSDEC Maximum Contaminant Levels (MCL)																				
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.45 U [1.46 U]	NA	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	1.45 U [1.46 U]	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.9	NA	2.98 J [3.37 J]	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	1.45 U [1.46 U]	NA	NA	NA	NA	NA	NA
Perfluoroheptane sulfonic acid (PFHpS)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.23	NA	1.45 U [1.46 U]	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3	NA	0.508 J [1.46 U]	NA	NA	NA	NA	NA	NA
Perfluorohexane sulfonic acid (PFHxS)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.96	NA	1.45 U [1.46 U]	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6	NA	2.4 [1.32 J]	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	NA	2.47 [1.46 U]	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonamide (PFOSA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	1.45 U [1.46 U]	NA	NA	NA	NA	NA	NA
Perfluorooctane sulfonic acid (PFOS)	10	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	NA	1.45 U [1.46 U]	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.1	NA	0.798 J [0.806 J]	NA	NA	NA	NA	NA	NA
Perfluoropentane sulfonic acid (PFPeSA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.45 U [1.46 U]	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9	NA	1.81 J [1.9 J]	NA	NA	NA	NA	NA	NA
Total Perfluoroalkylated substances (PFASs)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.5	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.
ND - Not detected.
U - The compound was not detected above the listed quantitation limit.

Table 3
Summary of Groundwater Sampling Results
2023 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID: Date Collected:	NYSDEC Class GA Groundwater Standards	Units	MW-14 12/11/19	MW-14 11/30/22	MW-14 03/21/23	MW-14BR 07/23/19	MW-14BR 12/11/19	MW-14BR 11/29/22	MW-14BR 03/21/23	MW-15 07/24/19	MW-15 12/12/19	MW-15 11/30/22	MW-15 03/21/23	MW-15BR 07/24/19	MW-15BR 12/12/19	MW-15BR 11/30/22	MW-15BR 03/21/23	MW-16 07/24/19	MW-16 12/12/19	MW-16 12/01/22
Volatile Organic Compounds																				
1,1-Dichloroethane	5	µg/L	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U
1,1-Dichloroethene	5	µg/L	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U
1,2-Dichloroethane	0.6	µg/L	ND	0.31 U	1 U	ND	ND	0.31 UJ	1 U	ND	ND	0.31 UJ	1 U	ND	ND	0.31 UJ	1 U	ND	ND	0.31 U
1,4-Dioxane	--	µg/L	NA	21 U	50 U	NA	NA	21 U	50 U	NA	NA	21 U	50 U	NA	NA	21 U	50 U	NA	NA	21 U
2-Butanone (MEK)	50	µg/L	240	1.6 U	20 U	160	130	1.6 U	20 U	ND	ND	1.6 U	20 U	ND	ND	1.6 U	20 U	ND	ND	1.6 U
Acetone	50	µg/L	350	20 J	50 U	180	190	4.5 J	50 U	ND	ND	2 U	50 U	ND	ND	2 U	50 U	ND	ND	2 U
Bromodichloromethane	50	µg/L	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U
Carbon Disulfide	60	µg/L	ND	1.4 U	2.3 J	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U
Chlorodibromomethane	50	µg/L	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U
Chloroethane	5	µg/L	ND	0.32 U	2 U	ND	ND	0.32 U	2 U	ND	ND	0.32 U	2 U	ND	ND	0.32 U	2 U	ND	ND	0.32 U
Chloroform	7	µg/L	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U
Chloromethane	5	µg/L	ND	0.52 U	2 U	ND	ND	0.52 U	2 U	ND	ND	0.52 U	2 U	ND	ND	0.52 U	2 U	ND	0.5	0.52 U
cis-1,2-Dichloroethene	5	µg/L	ND	1.7	0.34 J	120	78	3.1	0.68 J	ND	ND	0.15 U	1 U	42	17	43	3.1	ND	ND	0.15 U
Cyclohexane	--	µg/L	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	0.6	0.3	NA	NA	ND	ND	NA
Dichloromethane	5	µg/L	ND	0.23 U	5 U	ND	ND	0.23 U	5 U	ND	ND	0.23 U	5 U	ND	ND	0.23 U	5 U	ND	ND	0.23 U
Diethyl ether	--	µg/L	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U
Di-isopropyl ether	--	µg/L	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U
Isopropylbenzene	5	µg/L	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U
Methyl Acetate	--	µg/L	ND	0.45 U	1 U	ND	ND	0.45 U	1 U	ND	ND	0.45 U	1 U	ND	ND	0.45 U	1 U	ND	ND	0.45 U
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	ND	1.1 U	10 U	64	110	1.1 U	10 U	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 U	ND	ND	1.1 U
Methylcyclohexane	--	µg/L	ND	0.24 U	1 U	ND	ND	0.24 U	1 U	ND	ND	0.24 U	1 U	ND	ND	0.24 U	1 U	ND	ND	0.24 U
tert-Butylbenzene	5	µg/L	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U
Tetrachloroethene	5	µg/L	ND	1.7	1 U	14	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U	ND	ND	0.19 U
Tetrahydrofuran	50	µg/L	NA	1.5 J	10 U	NA	NA	0.49 U	10 U	NA	NA	0.49 U	10 U	NA	NA	0.49 U	10 U	NA	NA	0.49 U
trans-1,2-Dichloroethene	5	µg/L	ND	0.17 U	1 U	ND	ND	0.17 UJ	1 U	ND	ND	0.17 UJ	1 U	ND	ND	0.17 UJ	1 U	ND	ND	0.17 U
Trichloroethene	5	µg/L	ND	1.1	1 U	55	37	0.96 J	0.30 J	ND	ND	0.19 U	1 U	0.9	0.8	2.0	0.97 J	ND	ND	0.52 J
Vinyl chloride	2	µg/L	ND	0.37 J	2 UJ	ND	ND	0.59 J	2 UJ	ND	ND	0.21 U	2 U	32	12	16	2 U	ND	ND	0.21 U
Benzene	1	µg/L	ND	1.3	1 U	ND	ND	0.36 J	0.24 J	ND	ND	0.2 U	1 U	0.7	ND	1.4	1 U	ND	ND	0.2 U
Toluene	5	µg/L	ND	0.40 J	0.89 J	ND	ND	0.22 U	1 U	ND	ND	0.22 U	1 U	ND	ND	0.22 U	1 U	ND	ND	0.22 U
Methyl-tert-butylether	10	µg/L	ND	0.25 J	1 U	ND	ND	0.17 U	1 U	ND	ND	0.17 U	1 U	1.2	0.6	0.45 J	1 U	ND	ND	0.17 U
Total VOCs (Max DL)	--	µg/L	590	26.82 J	3.53 J	593	545	9.51 J	1.22 J	0 U	0 U	2 U	50 U	77.4	30.7	62.85 J	4.07 J	0 U	0.5	0.52 J
Dissolved Gases																				
Ethane	--	µg/L	ND	14	NA	ND	23	28	NA	ND	ND	2.6 U	NA	ND	22	78	NA	ND	ND	2.6 U
Ethene	--	µg/L	ND	3 U	NA	ND	ND	6.8 J	NA	ND	ND	3 U	NA	ND	470	39	NA	ND	ND	3 U
Methane	--	µg/L	13,000	6,100	NA	ND	7,100	8,100	NA	ND	2.9	30 U	NA	ND	5,200	4,200	NA	ND	ND	1.2 U
PFAS																				
NYSDEC Maximum Contaminant Levels (MCL)																				
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutane sulfonic acid (PFBS)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorobutanoic acid (PFBA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid (PFDA)	--	ng/L	NA	NA	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	NA	NA
Perfluoroheptanoic acid (PFHpA)	--	ng/L	NA	NA	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	NA	NA
Perfluorohexanoic acid (PFHxA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	--	ng/L	NA	NA	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	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	NA	NA
Perfluorooctanoic acid (PFOA)	10	ng/L	NA	NA	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	NA	NA
Perfluoropentanoic acid (PFPeA)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Perfluoroalkylated substances (PFASs)	--	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
µg/L - micrograms per liter.
ng/L - nanograms per liter.
Highlighted cells exceed corresponding NYSDEC Class GA Standard (VOCs) or
NYSDEC Maximum Contaminant Level (PFOS and PFOA)
J - Indicates an estimated value.
ND - Not detected.
U - The compound was not detected above the listed quantitation limit.

Table 3
Summary of Groundwater Sampling Results
2023 Q1 Sampling
Brewerton Jack's Cleaners RA

Location ID: Date Collected:	NYSDEC Class GA Groundwater Standards	Units	MW-16 03/21/23	MW-16BR 07/24/19	MW-16BR 12/12/19	MW-16BR 12/01/22	MW-16BR 03/21/23	MW-17 07/24/19	MW-17 12/13/19	MW-17 12/01/22	MW-17 03/21/23	MW-17BR 07/24/19	MW-17BR 12/13/19	MW-17BR 12/01/22	MW-17BR 03/21/23	Equipment Blank 12/01/22 EQ- 120122
Volatile Organic Compounds																
1,1-Dichloroethane	5	µg/L	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U [1 U]	ND	ND	0.14 U	1 U	NA
1,1-Dichloroethene	5	µg/L	1 U	ND	ND	0.14 U	1 U	ND	ND	0.14 U	1 U [1 U]	ND	ND	0.14 U	1 U	NA
1,2-Dichloroethane	0.6	µg/L	1 U	ND	ND	0.31 U	1 U	ND	ND	0.31 U	1 U [1 U]	ND	ND	0.31 U	1 U	NA
1,4-Dioxane	- -	µg/L	50 U	NA	NA	21 U	50 U	NA	NA	21 U	50 UJ [50 U]	NA	NA	21 U	50 U	NA
2-Butanone (MEK)	50	µg/L	20 U	ND	ND	1.6 U	20 U	ND	ND	1.6 U	20 U [20 U]	ND	ND	1.6 U	20 U	NA
Acetone	50	µg/L	50 U	ND	ND	2.1 J	50 U	ND	ND	2 U	50 U [50 U]	ND	ND	2 U	50 U	NA
Bromodichloromethane	50	µg/L	0.5 U	ND	ND	0.18 U	0.5 U	ND	ND	0.18 U	0.5 U [0.5 U]	ND	ND	0.18 U	0.5 U	NA
Carbon Disulfide	60	µg/L	5 U	ND	ND	1.4 U	5 U	ND	ND	1.4 U	5 U [5 U]	ND	0.6	1.4 U	5 U	NA
Chlorodibromomethane	50	µg/L	0.5 U	ND	ND	0.22 U	0.5 U	ND	ND	0.22 U	0.5 U [0.5 U]	ND	ND	0.22 U	0.5 U	NA
Chloroethane	5	µg/L	2 U	ND	ND	0.32 U	2 U	ND	ND	0.32 U	2 U [2 U]	ND	ND	0.32 U	2 U	NA
Chloroform	7	µg/L	2 U	ND	ND	0.17 U	2 U	ND	ND	0.17 U	2 U [2 U]	ND	ND	0.17 U	2 U	NA
Chloromethane	5	µg/L	2 U	ND	0.5	0.52 U	2 U	ND	ND	0.52 U	2 U [2 U]	ND	ND	0.52 U	2 U	NA
cis-1,2-Dichloroethene	5	µg/L	1 U	ND	ND	0.15 U	1 U	ND	ND	0.15 U	1 U [1 U]	ND	ND	0.15 U	1 U	NA
Cyclohexane	- -	µg/L	NA	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	NA
Dichloromethane	5	µg/L	5 U	ND	ND	0.23 U	5 U	ND	ND	0.23 U	5 U [5 U]	ND	ND	0.23 U	5 U	NA
Diethyl ether	- -	µg/L	2 U	NA	NA	0.18 U	2 U	NA	NA	0.18 U	2 U [2 U]	NA	NA	0.18 U	2 U	NA
Di-isopropyl ether	- -	µg/L	0.5 U	NA	NA	0.13 U	0.5 U	NA	NA	0.13 U	0.5 U [0.5 UJ]	NA	NA	0.13 U	0.5 U	NA
Isopropylbenzene	5	µg/L	1 U	ND	ND	0.11 U	1 U	ND	ND	0.11 U	1 U [1 U]	ND	ND	0.11 U	1 U	NA
Methyl Acetate	- -	µg/L	1 U	ND	ND	0.45 U	1 U	ND	ND	0.45 U	1 U [1 U]	ND	ND	0.45 U	1 U	NA
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	10 U	ND	ND	1.1 U	10 U	ND	ND	1.1 U	10 UJ [10 U]	ND	ND	1.1 U	10 U	NA
Methylcyclohexane	- -	µg/L	1 U	ND	ND	0.24 U	1 U	ND	ND	0.24 U	1 U [1 U]	ND	ND	0.24 U	1 U	NA
tert-Butylbenzene	5	µg/L	1 U	NA	NA	0.13 U	1 U	NA	NA	0.13 U	1 U [1 U]	NA	NA	0.13 U	1 U	NA
Tetrachloroethene	5	µg/L	1 U	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U [0.4 J]	ND	ND	0.19 U	1 U	NA
Tetrahydrofuran	50	µg/L	10 U	NA	NA	0.49 U	10 U	NA	NA	0.49 U	10 U [10 U]	NA	NA	0.49 U	10 U	NA
trans-1,2-Dichloroethene	5	µg/L	1 U	ND	ND	0.17 U	1 U	ND	ND	0.17 U	1 U [1 U]	ND	ND	0.17 U	1 U	NA
Trichloroethene	5	µg/L	1 U	ND	ND	0.19 U	1 U	ND	ND	0.19 U	1 U [1 U]	ND	ND	0.19 U	1 U	NA
Vinyl chloride	2	µg/L	2 U	ND	ND	0.21 U	2 U	ND	ND	0.21 U	2 U [2 U]	ND	ND	0.21 U	2 U	NA
Benzene	1	µg/L	1 U	ND	ND	0.2 U	1 U	ND	ND	0.2 U	1 U [1 U]	ND	ND	0.2 U	1 U	NA
Toluene	5	µg/L	1 U	ND	ND	0.22 U	1 U	ND	ND	0.22 U	1 U [1 U]	ND	ND	0.22 U	1 U	NA
Methyl-tert-butylether	10	µg/L	1 U	ND	ND	0.17 U	1 U	ND	ND	0.17 U	1 U [1 U]	ND	ND	0.17 U	1 U	NA
Total VOCs (Max DL)	- -	µg/L	50 U	0 U	0.5	2.1 J	50 U	0 U	0 U	2 U	50 U [0.4 J]	0 U	0.6	2 U	50 U	NA
Dissolved Gases																
Ethane	- -	µg/L	NA	ND	ND	2.6 U	NA	ND	ND	2.6 U	NA	ND	ND	2.6 U	NA	NA
Ethene	- -	µg/L	NA	ND	ND	3 U	NA	ND	ND	3 U	NA	ND	ND	3 U	NA	NA
Methane	- -	µg/L	NA	ND	ND	1.2 U	NA	ND	ND	1.2 U	NA	ND	ND	1.2 U	NA	NA
PFAS 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	1.59 U
Perfluorobutane sulfonic acid (PFBS)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluorobutanoic acid (PFBA)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.36 U
Perfluorodecanoic acid (PFDA)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluoroheptane sulfonic acid (PFHpS)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluoroheptanoic acid (PFHpA)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluorohexane sulfonic acid (PFHxS)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluorohexanoic acid (PFHxA)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluorononanoic acid (PFNA)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluorooctane sulfonamide (PFOSA)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluorooctane sulfonic acid (PFOS)	10	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluorooctanoic acid (PFOA)	10	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluoropentane sulfonic acid (PFPeSA)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.59 U
Perfluoropentanoic acid (PFPeA)	- -	ng/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.18 U
Total Perfluoroalkylated substances (PFASs)	- -	ng/L	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.
ND - Not detected.
U - The compound was not detected above the listed quantitation limit.

Table 4
Proposed 2023 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		
MW-10BR		
MW-11		
MW-12	X ^(a)	
MW-13	X ^(a)	
MW-14	X ^(a)	
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.

APPENDIX A

Laboratory Analytical Report

March 31, 2023

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: 23C2429

Enclosed are results of analyses for samples as received by the laboratory on March 22, 2023. 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: 3/31/2023

PURCHASE ORDER NUMBER: 145616

PROJECT NUMBER: 734112

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23C2429

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-05	23C2429-01	Ground Water		SW-846 8260D	
IW-31	23C2429-02	Ground Water		SW-846 8260D	
MW-08	23C2429-03	Ground Water		SW-846 8260D	
MW-01R	23C2429-04	Ground Water		SW-846 8260D	
MW-02	23C2429-05	Ground Water		SW-846 8260D	
MW-13	23C2429-06	Ground Water		SW-846 8260D	
MW-09	23C2429-07	Ground Water		SW-846 8260D	
IW-29	23C2429-08	Ground Water		SW-846 8260D	
IW-25	23C2429-09	Ground Water		SW-846 8260D	
MW-07	23C2429-10	Ground Water		SW-846 8260D	
MW-14	23C2429-11	Ground Water		SW-846 8260D	
MW-14BR	23C2429-12	Ground Water		SW-846 8260D	
IW-24	23C2429-13	Ground Water		SW-846 8260D	
MW-10	23C2429-14	Ground Water		SW-846 8260D	
MW-10BR	23C2429-15	Ground Water		SW-846 8260D	
IW-19	23C2429-16	Ground Water		SW-846 8260D	
IW-14	23C2429-17	Ground Water		SW-846 8260D	
IW-17	23C2429-18	Ground Water		SW-846 8260D	
IW-2	23C2429-19	Ground Water		SW-846 8260D	
IW-1	23C2429-20	Ground Water		SW-846 8260D	
IW-3	23C2429-21	Ground Water		SW-846 8260D	
MW-15	23C2429-22	Ground Water		SW-846 8260D	
MW-15BR	23C2429-23	Ground Water		SW-846 8260D	
MW-16	23C2429-24	Ground Water		SW-846 8260D	
MW-16BR	23C2429-25	Ground Water		SW-846 8260D	
MW-11	23C2429-26	Ground Water		SW-846 8260D	
MW-12	23C2429-27	Ground Water		SW-846 8260D	
IW-11	23C2429-28	Ground Water		SW-846 8260D	
IW-7	23C2429-29	Ground Water		SW-846 8260D	
MW-17	23C2429-30	Ground Water		SW-846 8260D	
MW-17BR	23C2429-31	Ground Water		SW-846 8260D	
Trip Blank	23C2429-32	Trip Blank Water		SW-846 8260D	
DUP-032123-01	23C2429-33	Ground Water		SW-846 8260D	
DUP-032123-02	23C2429-34	Ground Water		SW-846 8260D	

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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.

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

SW-846 8260D

Qualifications:**L-04**

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

Analyte & Samples(s) Qualified:**trans-1,4-Dichloro-2-butene**

23C2429-33[DUP-032123-01], 23C2429-34[DUP-032123-02], B335100-BLK1, B335100-BS1, B335100-BSD1, S085045-CCV1

L-06

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

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

23C2429-08[IW-29], B335103-BS1, B335103-BSD1, B335103-MS1, B335103-MSD1, S085053-CCV1

L-07

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

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

B335100-BSD1, B335101-BS1

Methylene Chloride

B335103-BSD1

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:**1,2,3-Trichlorobenzene**

23C2429-30[MW-17], B335101-MS1, B335101-MSD1

1,2-Dibromo-3-chloropropane (DBCP)

23C2429-30[MW-17], B335101-MS1, B335101-MSD1

2,2-Dichloropropane

23C2429-01[MW-05], 23C2429-30[MW-17], B335101-MS1, B335101-MSD1, B335103-MS1, B335103-MSD1

Bromoform

23C2429-30[MW-17], B335101-MS1, B335101-MSD1

Naphthalene

23C2429-30[MW-17], B335101-MS1, B335101-MSD1

trans-1,4-Dichloro-2-butene

23C2429-30[MW-17], B335101-MS1, B335101-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:**Bromomethane**

B335101-MS1, B335101-MSD1

Vinyl Chloride

B335103-MS1, B335103-MSD1

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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:**1,2,4-Trichlorobenzene**

B335101-MS1

1,4-Dioxane

B335101-MS1

2-Hexanone (MBK)

B335101-MS1

Chloromethane

B335103-MSD1

tert-Amyl Methyl Ether (TAME)

B335101-MS1

tert-Butyl Alcohol (TBA)

B335101-MS1

trans-1,4-Dichloro-2-butene

B335103-MS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23C2429-06[MW-13], 23C2429-07[MW-09]

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:**Bromoform**

23C2429-14[MW-10], 23C2429-15[MW-10BR], 23C2429-16[IW-19], 23C2429-17[IW-14], 23C2429-18[IW-17], 23C2429-19[IW-2], 23C2429-20[IW-1], 23C2429-21[IW-3], 23C2429-22[MW-15], 23C2429-23[MW-15BR], 23C2429-24[MW-16], 23C2429-25[MW-16BR], 23C2429-26[MW- 11], 23C2429-27[MW-12], 23C2429-28[IW-11], 23C2429-29[IW-7], 23C2429-30[MW-17], 23C2429-31[MW-17BR], 23C2429-32[Trip Blank], B335101-BLK1, B335101-BS1, B335101-BSD1, B335101-MS1, B335101-MSD1, S085044-CCV1

Naphthalene

23C2429-33[DUP-032123-01], 23C2429-34[DUP-032123-02], B335100-BLK1, B335100-BS1, B335100-BSD1, S085045-CCV1

trans-1,4-Dichloro-2-butene

23C2429-14[MW-10], 23C2429-15[MW-10BR], 23C2429-16[IW-19], 23C2429-17[IW-14], 23C2429-18[IW-17], 23C2429-19[IW-2], 23C2429-20[IW-1], 23C2429-21[IW-3], 23C2429-22[MW-15], 23C2429-23[MW-15BR], 23C2429-24[MW-16], 23C2429-25[MW-16BR], 23C2429-26[MW- 11], 23C2429-27[MW-12], 23C2429-28[IW-11], 23C2429-29[IW-7], 23C2429-30[MW-17], 23C2429-31[MW-17BR], 23C2429-32[Trip Blank], 23C2429-33[DUP-032123-01], 23C2429-34[DUP-032123-02], B335100-BLK1, B335100-BS1, B335100-BSD1, B335101-BLK1, B335101-BS1, B335101-BSD1, B335101-MS1, B335101-MSD1, S085044-CCV1, S085045-CCV1

V-06

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

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

23C2429-08[IW-29], B335103-BS1, B335103-BSD1, B335103-MS1, B335103-MSD1, S085053-CCV1

Vinyl Chloride

23C2429-02[IW-31], 23C2429-04[MW-01R], 23C2429-06[MW-13], 23C2429-07[MW-09], 23C2429-09[IW-25], 23C2429-10[MW-07], B335103-BS1, B335103-BSD1, B335103-MS1, B335103-MSD1, S085053-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:**2-Butanone (MEK)**

B335101-BS1, B335101-BSD1, B335101-MS1, B335101-MSD1, S085044-CCV1

Bromomethane

B335100-BS1, B335100-BSD1, B335101-BS1, B335101-BSD1, B335101-MS1, B335101-MSD1, S085044-CCV1, S085045-CCV1

Diisopropyl Ether (DIPE)

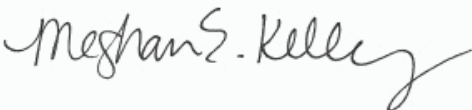
B335100-BS1, B335100-BSD1, S085045-CCV1

Methyl Acetate

B335100-BS1, B335100-BSD1, B335101-BS1, B335101-BSD1, B335101-MS1, B335101-MSD1, B335103-BS1, B335103-BSD1, B335103-MS1, B335103-MSD1, S085044-CCV1, S085045-CCV1, S085053-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.



Meghan E. Kelley
Reporting Specialist

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-05

Sampled: 3/21/2023 09:55

Sample ID: 23C2429-01

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	3.7	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	MS-07A	SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-05

Sampled: 3/21/2023 09:55

Sample ID: 23C2429-01

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 23:47	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	105		70-130				3/24/23 23:47			
Toluene-d8	102		70-130				3/24/23 23:47			
4-Bromofluorobenzene	99.0		70-130				3/24/23 23:47			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-31

Sampled: 3/21/2023 10:20

Sample ID: 23C2429-02

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	4.0	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
cis-1,2-Dichloroethylene	0.97	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 0:14	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-31

Sampled: 3/21/2023 10:20

Sample ID: 23C2429-02

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Vinyl Chloride	1.2	2.0	0.24	µg/L	1	V-06, J	SW-846 8260D	3/24/23	3/25/23 0:14	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:14	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	109		70-130				3/25/23 0:14			
Toluene-d8	102		70-130				3/25/23 0:14			
4-Bromofluorobenzene	98.2		70-130				3/25/23 0:14			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-08

Sampled: 3/21/2023 10:40

Sample ID: 23C2429-03

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	3.6	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-08

Sampled: 3/21/2023 10:40

Sample ID: 23C2429-03

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 0:41	EEH
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	109	70-130								
Toluene-d8	99.9	70-130								
4-Bromofluorobenzene	100	70-130								

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-01R

Sampled: 3/21/2023 11:00

Sample ID: 23C2429-04

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	4.4	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,1-Dichloroethane	0.40	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,1-Dichloroethylene	0.33	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 3:53	EEH
cis-1,2-Dichloroethylene	160	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
trans-1,2-Dichloroethylene	1.7	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-01R

Sampled: 3/21/2023 11:00

Sample ID: 23C2429-04

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Tetrachloroethylene	0.96	1.0	0.17	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Trichloroethylene	4.8	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Vinyl Chloride	68	2.0	0.24	µg/L	1	V-06	SW-846 8260D	3/24/23	3/25/23 3:53	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:53	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	107		70-130				3/25/23 3:53			
Toluene-d8	102		70-130				3/25/23 3:53			
4-Bromofluorobenzene	98.7		70-130				3/25/23 3:53			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-02

Sampled: 3/21/2023 11:15

Sample ID: 23C2429-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.1	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Bromodichloromethane	0.30	0.50	0.16	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Chloroform	0.59	2.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
cis-1,2-Dichloroethylene	0.66	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 1:08	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-02

Sampled: 3/21/2023 11:15

Sample ID: 23C2429-05

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Tetrachloroethylene	11	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Trichloroethylene	0.90	1.0	0.17	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:08	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	109		70-130							
Toluene-d8	102		70-130							
4-Bromofluorobenzene	99.1		70-130							

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-13

Sampled: 3/21/2023 11:25

Sample ID: 23C2429-06

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	43	500	20	µg/L	10	J	SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Acrylonitrile	ND	50	4.7	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.3	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Benzene	ND	10	1.8	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Bromobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Bromochloromethane	ND	10	2.8	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Bromodichloromethane	ND	5.0	1.6	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Bromoform	ND	10	4.1	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Bromomethane	ND	20	13	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
2-Butanone (MEK)	ND	200	17	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
tert-Butyl Alcohol (TBA)	ND	200	43	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
n-Butylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
sec-Butylbenzene	ND	10	1.3	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
tert-Butylbenzene	ND	10	1.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Carbon Disulfide	ND	50	16	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Chlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Chlorodibromomethane	ND	5.0	2.0	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Chloroethane	ND	20	3.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Chloroform	ND	20	1.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Chloromethane	ND	20	5.0	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
2-Chlorotoluene	ND	10	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
4-Chlorotoluene	ND	10	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,2-Dibromoethane (EDB)	ND	5.0	1.6	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Dibromomethane	ND	10	3.2	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,2-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,3-Dichlorobenzene	ND	10	1.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
trans-1,4-Dichloro-2-butene	ND	20	15	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	1.6	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,2-Dichloroethane	ND	10	3.0	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,1-Dichloroethylene	2.2	10	1.4	µg/L	10	J	SW-846 8260D	3/24/23	3/25/23 5:16	EEH
cis-1,2-Dichloroethylene	600	10	1.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
trans-1,2-Dichloroethylene	7.8	10	1.7	µg/L	10	J	SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,2-Dichloropropane	ND	10	1.9	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,3-Dichloropropane	ND	5.0	1.2	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
2,2-Dichloropropane	ND	10	3.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,1-Dichloropropene	ND	20	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
trans-1,3-Dichloropropene	ND	5.0	1.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Diethyl Ether	ND	20	1.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-13

Sampled: 3/21/2023 11:25

Sample ID: 23C2429-06

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
Diisopropyl Ether (DIPE)	ND	5.0	2.0	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,4-Dioxane	ND	500	180	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Ethylbenzene	ND	10	2.2	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Hexachlorobutadiene	ND	6.0	4.7	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
2-Hexanone (MBK)	ND	100	12	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Isopropylbenzene (Cumene)	ND	10	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
p-Isopropyltoluene (p-Cymene)	ND	10	1.3	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Methyl Acetate	ND	10	6.1	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Methyl Cyclohexane	ND	10	1.6	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Methylene Chloride	ND	50	1.8	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Naphthalene	ND	20	3.8	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
n-Propylbenzene	ND	10	1.2	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Styrene	ND	10	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,1,1,2-Tetrachloroethane	ND	10	1.6	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,1,2,2-Tetrachloroethane	ND	5.0	1.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Tetrachloroethylene	800	10	1.7	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Tetrahydrofuran	ND	100	4.9	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,2,3-Trichlorobenzene	ND	50	3.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,2,4-Trichlorobenzene	ND	10	3.0	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,3,5-Trichlorobenzene	ND	10	2.1	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,1,1-Trichloroethane	ND	10	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,1,2-Trichloroethane	ND	10	1.9	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Trichloroethylene	310	10	1.7	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Trichlorofluoromethane (Freon 11)	ND	20	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,2,3-Trichloropropane	ND	20	2.8	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.1	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,2,4-Trimethylbenzene	ND	10	2.0	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
1,3,5-Trimethylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Vinyl Chloride	77	20	2.4	µg/L	10	V-06	SW-846 8260D	3/24/23	3/25/23 5:16	EEH
m+p Xylene	ND	20	4.9	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
o-Xylene	ND	10	2.4	µg/L	10		SW-846 8260D	3/24/23	3/25/23 5:16	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	108		70-130				3/25/23 5:16			
Toluene-d8	103		70-130				3/25/23 5:16			
4-Bromofluorobenzene	99.0		70-130				3/25/23 5:16			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-09

Sampled: 3/21/2023 11:35

Sample ID: 23C2429-07

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	ND	100	4.0	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Acrylonitrile	ND	10	0.93	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	0.26	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Bromobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
tert-Butyl Alcohol (TBA)	ND	40	8.5	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
n-Butylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
sec-Butylbenzene	ND	2.0	0.25	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
tert-Butylbenzene	ND	2.0	0.28	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	0.31	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
2-Chlorotoluene	ND	2.0	0.31	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
4-Chlorotoluene	ND	2.0	0.31	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Dibromomethane	ND	2.0	0.64	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	3.0	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,1-Dichloroethylene	1.0	2.0	0.28	µg/L	2	J	SW-846 8260D	3/24/23	3/25/23 4:47	EEH
cis-1,2-Dichloroethylene	250	2.0	0.28	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
trans-1,2-Dichloroethylene	3.2	2.0	0.34	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,3-Dichloropropane	ND	1.0	0.23	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
2,2-Dichloropropane	ND	2.0	0.70	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,1-Dichloropropene	ND	4.0	0.30	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Diethyl Ether	ND	4.0	0.29	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-09

Sampled: 3/21/2023 11:35

Sample ID: 23C2429-07

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
Diisopropyl Ether (DIPE)	ND	1.0	0.40	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Hexachlorobutadiene	ND	1.2	0.94	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.25	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Naphthalene	ND	4.0	0.76	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
n-Propylbenzene	ND	2.0	0.25	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	0.32	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Tetrachloroethylene	74	2.0	0.34	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Tetrahydrofuran	ND	20	0.98	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,3,5-Trichlorobenzene	ND	2.0	0.42	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Trichloroethylene	140	2.0	0.35	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,2,3-Trichloropropane	ND	4.0	0.55	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,2,4-Trimethylbenzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
1,3,5-Trimethylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Vinyl Chloride	51	4.0	0.47	µg/L	2	V-06	SW-846 8260D	3/24/23	3/25/23 4:47	EEH
m+p Xylene	ND	4.0	0.98	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
o-Xylene	ND	2.0	0.49	µg/L	2		SW-846 8260D	3/24/23	3/25/23 4:47	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	108		70-130				3/25/23 4:47			
Toluene-d8	102		70-130				3/25/23 4:47			
4-Bromofluorobenzene	99.8		70-130				3/25/23 4:47			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-29

Sampled: 3/21/2023 11:45

Sample ID: 23C2429-08

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	4.0	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Chloroethane	0.97	2.0	0.34	µg/L	1	L-06, V-06, J	SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
cis-1,2-Dichloroethylene	0.61	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 1:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-29

Sampled: 3/21/2023 11:45

Sample ID: 23C2429-08

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 1:36	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	108		70-130				3/25/23 1:36			
Toluene-d8	104		70-130				3/25/23 1:36			
4-Bromofluorobenzene	100		70-130				3/25/23 1:36			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-25

Sampled: 3/21/2023 11:55

Sample ID: 23C2429-09

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	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Benzene	2.6	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
tert-Butylbenzene	0.36	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 4:20	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,1-Dichloroethylene	0.25	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 4:20	EEH
cis-1,2-Dichloroethylene	120	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
trans-1,2-Dichloroethylene	1.5	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-25

Sampled: 3/21/2023 11:55

Sample ID: 23C2429-09

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Isopropylbenzene (Cumene)	0.24	1.0	0.15	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 4:20	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Methyl Cyclohexane	0.59	1.0	0.16	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Toluene	0.77	1.0	0.22	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Trichloroethylene	1.8	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Vinyl Chloride	60	2.0	0.24	µg/L	1	V-06	SW-846 8260D	3/24/23	3/25/23 4:20	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 4:20	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	107		70-130				3/25/23 4:20			
Toluene-d8	101		70-130				3/25/23 4:20			
4-Bromofluorobenzene	100		70-130				3/25/23 4:20			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-07

Sampled: 3/21/2023 12:10

Sample ID: 23C2429-10

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	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Benzene	0.19	1.0	0.18	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
cis-1,2-Dichloroethylene	17	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-07

Sampled: 3/21/2023 12:10

Sample ID: 23C2429-10

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Trichloroethylene	0.18	1.0	0.17	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Vinyl Chloride	100	2.0	0.24	µg/L	1	V-06	SW-846 8260D	3/24/23	3/25/23 3:25	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 3:25	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	108		70-130				3/25/23 3:25			
Toluene-d8	102		70-130				3/25/23 3:25			
4-Bromofluorobenzene	99.0		70-130				3/25/23 3:25			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-14

Sampled: 3/21/2023 12:25

Sample ID: 23C2429-11

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	4.4	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Carbon Disulfide	2.3	5.0	1.6	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
cis-1,2-Dichloroethylene	0.34	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 2:04	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-14

Sampled: 3/21/2023 12:25

Sample ID: 23C2429-11

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Toluene	0.89	1.0	0.22	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:04	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	110		70-130				3/25/23 2:04			
Toluene-d8	103		70-130				3/25/23 2:04			
4-Bromofluorobenzene	99.7		70-130				3/25/23 2:04			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-14BR

Sampled: 3/21/2023 12:35

Sample ID: 23C2429-12

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	5.1	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Benzene	0.24	1.0	0.18	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
cis-1,2-Dichloroethylene	0.68	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 2:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-14BR

Sampled: 3/21/2023 12:35

Sample ID: 23C2429-12

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Trichloroethylene	0.30	1.0	0.17	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:31	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	109		70-130				3/25/23 2:31			
Toluene-d8	101		70-130				3/25/23 2:31			
4-Bromofluorobenzene	101		70-130				3/25/23 2:31			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-24

Sampled: 3/21/2023 12:45

Sample ID: 23C2429-13

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	3.8	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-24

Sampled: 3/21/2023 12:45

Sample ID: 23C2429-13

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Toluene	0.25	1.0	0.22	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 2:58	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	109		70-130				3/25/23 2:58			
Toluene-d8	103		70-130				3/25/23 2:58			
4-Bromofluorobenzene	101		70-130				3/25/23 2:58			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-10

Sampled: 3/21/2023 12:55

Sample ID: 23C2429-14

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	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-10

Sampled: 3/21/2023 12:55

Sample ID: 23C2429-14

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:14	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	113		70-130				3/24/23 13:14			
Toluene-d8	103		70-130				3/24/23 13:14			
4-Bromofluorobenzene	94.2		70-130				3/24/23 13:14			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-10BR

Sampled: 3/21/2023 13:05

Sample ID: 23C2429-15

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	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-10BR

Sampled: 3/21/2023 13:05

Sample ID: 23C2429-15

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 13:41	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	115		70-130				3/24/23 13:41			
Toluene-d8	100		70-130				3/24/23 13:41			
4-Bromofluorobenzene	95.5		70-130				3/24/23 13:41			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-19

Sampled: 3/21/2023 13:10

Sample ID: 23C2429-16

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	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Benzene	3.2	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-19

Sampled: 3/21/2023 13:10

Sample ID: 23C2429-16

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Methyl Cyclohexane	0.44	1.0	0.16	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Toluene	0.99	1.0	0.22	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:09	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	112		70-130				3/24/23 14:09			
Toluene-d8	103		70-130				3/24/23 14:09			
4-Bromofluorobenzene	94.8		70-130				3/24/23 14:09			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-14

Sampled: 3/21/2023 13:25

Sample ID: 23C2429-17

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	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Benzene	1.2	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
cis-1,2-Dichloroethylene	1.2	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-14

Sampled: 3/21/2023 13:25

Sample ID: 23C2429-17

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Toluene	1.0	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Vinyl Chloride	0.31	2.0	0.24	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 14:36	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 14:36	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	114		70-130				3/24/23 14:36			
Toluene-d8	102		70-130				3/24/23 14:36			
4-Bromofluorobenzene	92.2		70-130				3/24/23 14:36			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-17

Sampled: 3/21/2023 13:35

Sample ID: 23C2429-18

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	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Benzene	1.1	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,2-Dichloroethane	0.55	1.0	0.30	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
cis-1,2-Dichloroethylene	0.71	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 15:03	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-17

Sampled: 3/21/2023 13:35

Sample ID: 23C2429-18

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Toluene	0.31	1.0	0.22	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:03	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	113		70-130				3/24/23 15:03			
Toluene-d8	101		70-130				3/24/23 15:03			
4-Bromofluorobenzene	95.1		70-130				3/24/23 15:03			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-2

Sampled: 3/21/2023 13:45

Sample ID: 23C2429-19

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	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-2

Sampled: 3/21/2023 13:45

Sample ID: 23C2429-19

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Toluene	0.94	1.0	0.22	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:30	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	114		70-130				3/24/23 15:30			
Toluene-d8	102		70-130				3/24/23 15:30			
4-Bromofluorobenzene	92.5		70-130				3/24/23 15:30			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-1

Sampled: 3/21/2023 14:00

Sample ID: 23C2429-20

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	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-1

Sampled: 3/21/2023 14:00

Sample ID: 23C2429-20

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Toluene	1.0	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 15:58	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	114		70-130				3/24/23 15:58			
Toluene-d8	102		70-130				3/24/23 15:58			
4-Bromofluorobenzene	95.1		70-130				3/24/23 15:58			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-3

Sampled: 3/21/2023 14:10

Sample ID: 23C2429-21

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.3	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
cis-1,2-Dichloroethylene	0.43	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 16:25	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-3

Sampled: 3/21/2023 14:10

Sample ID: 23C2429-21

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Tetrahydrofuran	1.3	10	0.49	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Vinyl Chloride	0.45	2.0	0.24	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 16:25	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:25	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	113		70-130				3/24/23 16:25			
Toluene-d8	104		70-130				3/24/23 16:25			
4-Bromofluorobenzene	94.4		70-130				3/24/23 16:25			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-15

Sampled: 3/21/2023 14:20

Sample ID: 23C2429-22

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-15

Sampled: 3/21/2023 14:20

Sample ID: 23C2429-22

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 16:52	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	112		70-130				3/24/23 16:52			
Toluene-d8	104		70-130				3/24/23 16:52			
4-Bromofluorobenzene	96.6		70-130				3/24/23 16:52			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-15BR

Sampled: 3/21/2023 14:25

Sample ID: 23C2429-23

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
cis-1,2-Dichloroethylene	3.1	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-15BR

Sampled: 3/21/2023 14:25

Sample ID: 23C2429-23

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Trichloroethylene	0.97	1.0	0.17	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:19	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	116		70-130				3/24/23 17:19			
Toluene-d8	101		70-130				3/24/23 17:19			
4-Bromofluorobenzene	95.3		70-130				3/24/23 17:19			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-16

Sampled: 3/21/2023 14:35

Sample ID: 23C2429-24

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.2	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-16

Sampled: 3/21/2023 14:35

Sample ID: 23C2429-24

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 17:47	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	115		70-130				3/24/23 17:47			
Toluene-d8	103		70-130				3/24/23 17:47			
4-Bromofluorobenzene	93.7		70-130				3/24/23 17:47			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-16BR

Sampled: 3/21/2023 14:40

Sample ID: 23C2429-25

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-16BR

Sampled: 3/21/2023 14:40

Sample ID: 23C2429-25

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:14	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	116		70-130				3/24/23 18:14			
Toluene-d8	102		70-130				3/24/23 18:14			
4-Bromofluorobenzene	95.6		70-130				3/24/23 18:14			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-11

Sampled: 3/21/2023 14:50

Sample ID: 23C2429-26

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
cis-1,2-Dichloroethylene	1.4	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-11

Sampled: 3/21/2023 14:50

Sample ID: 23C2429-26

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Vinyl Chloride	0.82	2.0	0.24	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 18:41	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 18:41	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	113		70-130				3/24/23 18:41			
Toluene-d8	102		70-130				3/24/23 18:41			
4-Bromofluorobenzene	93.4		70-130				3/24/23 18:41			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-12

Sampled: 3/21/2023 15:00

Sample ID: 23C2429-27

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Chloroethane	36	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-12

Sampled: 3/21/2023 15:00

Sample ID: 23C2429-27

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Trichloroethylene	0.61	1.0	0.17	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:09	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	116		70-130				3/24/23 19:09			
Toluene-d8	101		70-130				3/24/23 19:09			
4-Bromofluorobenzene	93.0		70-130				3/24/23 19:09			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-11

Sampled: 3/21/2023 15:10

Sample ID: 23C2429-28

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
cis-1,2-Dichloroethylene	0.52	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 19:36	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-11

Sampled: 3/21/2023 15:10

Sample ID: 23C2429-28

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 19:36	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	115		70-130				3/24/23 19:36			
Toluene-d8	101		70-130				3/24/23 19:36			
4-Bromofluorobenzene	92.8		70-130				3/24/23 19:36			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-7

Sampled: 3/21/2023 15:20

Sample ID: 23C2429-29

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Benzene	1.0	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
cis-1,2-Dichloroethylene	0.35	1.0	0.14	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 20:03	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: 1W-7

Sampled: 3/21/2023 15:20

Sample ID: 23C2429-29

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Toluene	2.5	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:03	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	114		70-130				3/24/23 20:03			
Toluene-d8	102		70-130				3/24/23 20:03			
4-Bromofluorobenzene	94.2		70-130				3/24/23 20:03			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-17

Sampled: 3/21/2023 15:30

Sample ID: 23C2429-30

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Bromoform	ND	1.0	0.41	µg/L	1	MS-07A, V-05	SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1	MS-07A	SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	MS-07A, V-05	SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1	MS-07A	SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-17

Sampled: 3/21/2023 15:30

Sample ID: 23C2429-30

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Naphthalene	ND	2.0	0.38	µg/L	1	MS-07A	SW-846 8260D	3/24/23	3/24/23 20:30	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1	MS-07A	SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:30	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	113		70-130				3/24/23 20:30			
Toluene-d8	102		70-130				3/24/23 20:30			
4-Bromofluorobenzene	92.7		70-130				3/24/23 20:30			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-17BR

Sampled: 3/21/2023 15:45

Sample ID: 23C2429-31

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: MW-17BR

Sampled: 3/21/2023 15:45

Sample ID: 23C2429-31

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 20:57	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	114		70-130				3/24/23 20:57			
Toluene-d8	103		70-130				3/24/23 20:57			
4-Bromofluorobenzene	93.4		70-130				3/24/23 20:57			

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: Trip Blank

Sampled: 3/21/2023 00:00

Sample ID: 23C2429-32

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	2.9	50	2.0	µg/L	1	J	SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: Trip Blank

Sampled: 3/21/2023 00:00

Sample ID: 23C2429-32

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/24/23 12:47	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	114		70-130				3/24/23 12:47			
Toluene-d8	101		70-130				3/24/23 12:47			
4-Bromofluorobenzene	96.6		70-130				3/24/23 12:47			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: DUP-032123-01

Sampled: 3/21/2023 00:00

Sample ID: 23C2429-33

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	L-04, V-05	SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: DUP-032123-01

Sampled: 3/21/2023 00:00

Sample ID: 23C2429-33

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	3/24/23	3/25/23 9:41	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Tetrachloroethylene	0.67	1.0	0.17	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 9:41	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	113		70-130				3/25/23 9:41			
Toluene-d8	103		70-130				3/25/23 9:41			
4-Bromofluorobenzene	91.9		70-130				3/25/23 9:41			

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

Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: DUP-032123-02

Sampled: 3/21/2023 00:00

Sample ID: 23C2429-34

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	L-04, V-05	SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF

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Project Location: Brewerton, NY

Sample Description:

Work Order: 23C2429

Date Received: 3/22/2023

Field Sample #: DUP-032123-02

Sampled: 3/21/2023 00:00

Sample ID: 23C2429-34

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
Diisopropyl Ether (DIPE)	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	3/24/23	3/25/23 10:09	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Tetrachloroethylene	0.40	1.0	0.17	µg/L	1	J	SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/24/23	3/25/23 10:09	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	113		70-130				3/25/23 10:09			
Toluene-d8	100		70-130				3/25/23 10:09			
4-Bromofluorobenzene	95.8		70-130				3/25/23 10:09			

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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
23C2429-33 [DUP-032123-01]	B335100	5	5.00	03/24/23
23C2429-34 [DUP-032123-02]	B335100	5	5.00	03/24/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2429-14 [MW-10]	B335101	5	5.00	03/24/23
23C2429-15 [MW-10BR]	B335101	5	5.00	03/24/23
23C2429-16 [IW-19]	B335101	5	5.00	03/24/23
23C2429-17 [IW-14]	B335101	5	5.00	03/24/23
23C2429-18 [IW-17]	B335101	5	5.00	03/24/23
23C2429-19 [IW-2]	B335101	5	5.00	03/24/23
23C2429-20 [IW-1]	B335101	5	5.00	03/24/23
23C2429-21 [IW-3]	B335101	5	5.00	03/24/23
23C2429-22 [MW-15]	B335101	5	5.00	03/24/23
23C2429-23 [MW-15BR]	B335101	5	5.00	03/24/23
23C2429-24 [MW-16]	B335101	5	5.00	03/24/23
23C2429-25 [MW-16BR]	B335101	5	5.00	03/24/23
23C2429-26 [MW-11]	B335101	5	5.00	03/24/23
23C2429-27 [MW-12]	B335101	5	5.00	03/24/23
23C2429-28 [IW-11]	B335101	5	5.00	03/24/23
23C2429-29 [IW-7]	B335101	5	5.00	03/24/23
23C2429-30 [MW-17]	B335101	5	5.00	03/24/23
23C2429-31 [MW-17BR]	B335101	5	5.00	03/24/23
23C2429-32 [Trip Blank]	B335101	5	5.00	03/24/23

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2429-01 [MW-05]	B335103	5	5.00	03/24/23
23C2429-02 [IW-31]	B335103	5	5.00	03/24/23
23C2429-03 [MW-08]	B335103	5	5.00	03/24/23
23C2429-04 [MW-01R]	B335103	5	5.00	03/24/23
23C2429-05 [MW-02]	B335103	5	5.00	03/24/23
23C2429-06 [MW-13]	B335103	0.5	5.00	03/24/23
23C2429-07 [MW-09]	B335103	2.5	5.00	03/24/23
23C2429-08 [IW-29]	B335103	5	5.00	03/24/23
23C2429-09 [IW-25]	B335103	5	5.00	03/24/23
23C2429-10 [MW-07]	B335103	5	5.00	03/24/23
23C2429-11 [MW-14]	B335103	5	5.00	03/24/23
23C2429-12 [MW-14BR]	B335103	5	5.00	03/24/23
23C2429-13 [IW-24]	B335103	5	5.00	03/24/23

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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 B335100 - SW-846 5030B
Blank (B335100-BLK1)

Prepared: 03/24/23 Analyzed: 03/25/23

Acetone	ND	50	µg/L
Acrylonitrile	ND	5.0	µg/L
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L
Benzene	ND	1.0	µg/L
Bromobenzene	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
2-Chlorotoluene	ND	1.0	µg/L
4-Chlorotoluene	ND	1.0	µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	0.50	µg/L
Dibromomethane	ND	1.0	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
trans-1,4-Dichloro-2-butene	ND	2.0	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
1,3-Dichloropropane	ND	0.50	µg/L
2,2-Dichloropropane	ND	1.0	µg/L
1,1-Dichloropropene	ND	2.0	µg/L
cis-1,3-Dichloropropene	ND	0.50	µg/L
trans-1,3-Dichloropropene	ND	0.50	µg/L
Diethyl Ether	ND	2.0	µg/L
Diisopropyl Ether (DIPE)	ND	0.50	µg/L
1,4-Dioxane	ND	50	µg/L
Ethylbenzene	ND	1.0	µg/L
Hexachlorobutadiene	ND	0.60	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

L-04, 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
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Batch B335100 - SW-846 5030B
Blank (B335100-BLK1)

Prepared: 03/24/23 Analyzed: 03/25/23

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							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	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							
1,3,5-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							
Surrogate: 1,2-Dichloroethane-d4	28.8		µg/L	25.0		115	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	23.3		µg/L	25.0		93.2	70-130			

LCS (B335100-BS1)

Prepared & Analyzed: 03/24/23

Acetone	102	50	µg/L	100		102	70-160			†
Acrylonitrile	9.37	5.0	µg/L	10.0		93.7	70-130			
tert-Amyl Methyl Ether (TAME)	8.70	0.50	µg/L	10.0		87.0	70-130			
Benzene	10.7	1.0	µg/L	10.0		107	70-130			
Bromobenzene	9.49	1.0	µg/L	10.0		94.9	70-130			
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130			
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130			
Bromoform	7.75	1.0	µg/L	10.0		77.5	70-130			
Bromomethane	14.9	2.0	µg/L	10.0		149	40-160		V-20	†
2-Butanone (MEK)	106	20	µg/L	100		106	40-160			†
tert-Butyl Alcohol (TBA)	74.3	20	µg/L	100		74.3	40-160			†
n-Butylbenzene	9.59	1.0	µg/L	10.0		95.9	70-130			
sec-Butylbenzene	9.38	1.0	µg/L	10.0		93.8	70-130			
tert-Butylbenzene	9.63	1.0	µg/L	10.0		96.3	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.72	0.50	µg/L	10.0		97.2	70-130			
Carbon Disulfide	98.0	5.0	µg/L	100		98.0	70-130			
Carbon Tetrachloride	9.25	5.0	µg/L	10.0		92.5	70-130			
Chlorobenzene	9.44	1.0	µg/L	10.0		94.4	70-130			
Chlorodibromomethane	8.60	0.50	µg/L	10.0		86.0	70-130			
Chloroethane	9.24	2.0	µg/L	10.0		92.4	70-130			
Chloroform	10.6	2.0	µg/L	10.0		106	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
Batch B335100 - SW-846 5030B										
LCS (B335100-BS1)										
Prepared & Analyzed: 03/24/23										
Chloromethane	9.28	2.0	µg/L	10.0		92.8	40-160			†
2-Chlorotoluene	9.35	1.0	µg/L	10.0		93.5	70-130			
4-Chlorotoluene	9.16	1.0	µg/L	10.0		91.6	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.58	5.0	µg/L	10.0		75.8	70-130			
1,2-Dibromoethane (EDB)	9.13	0.50	µg/L	10.0		91.3	70-130			
Dibromomethane	9.71	1.0	µg/L	10.0		97.1	70-130			
1,2-Dichlorobenzene	9.62	1.0	µg/L	10.0		96.2	70-130			
1,3-Dichlorobenzene	9.82	1.0	µg/L	10.0		98.2	70-130			
1,4-Dichlorobenzene	9.34	1.0	µg/L	10.0		93.4	70-130			
trans-1,4-Dichloro-2-butene	5.83	2.0	µg/L	10.0		58.3	* 70-130			L-04, V-05
Dichlorodifluoromethane (Freon 12)	9.52	2.0	µg/L	10.0		95.2	40-160			†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130			
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichloropropane	9.62	0.50	µg/L	10.0		96.2	70-130			
2,2-Dichloropropane	8.74	1.0	µg/L	10.0		87.4	40-130			†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130			
cis-1,3-Dichloropropene	9.26	0.50	µg/L	10.0		92.6	70-130			
trans-1,3-Dichloropropene	8.76	0.50	µg/L	10.0		87.6	70-130			
Diethyl Ether	11.0	2.0	µg/L	10.0		110	70-130			
Diisopropyl Ether (DIPE)	12.1	0.50	µg/L	10.0		121	70-130			V-20
1,4-Dioxane	74.1	50	µg/L	100		74.1	40-130			†
Ethylbenzene	9.51	1.0	µg/L	10.0		95.1	70-130			
Hexachlorobutadiene	9.24	0.60	µg/L	10.0		92.4	70-130			
2-Hexanone (MBK)	81.1	10	µg/L	100		81.1	70-160			†
Isopropylbenzene (Cumene)	9.38	1.0	µg/L	10.0		93.8	70-130			
p-Isopropyltoluene (p-Cymene)	9.22	1.0	µg/L	10.0		92.2	70-130			
Methyl Acetate	12.3	1.0	µg/L	10.0		123	70-130			V-20
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.0		103	70-130			
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130			
Methylene Chloride	10.6	5.0	µg/L	10.0		106	70-130			
4-Methyl-2-pentanone (MIBK)	89.5	10	µg/L	100		89.5	70-160			†
Naphthalene	6.17	2.0	µg/L	10.0		61.7	40-130			V-05 †
n-Propylbenzene	9.07	1.0	µg/L	10.0		90.7	70-130			
Styrene	9.38	1.0	µg/L	10.0		93.8	70-130			
1,1,1,2-Tetrachloroethane	8.94	1.0	µg/L	10.0		89.4	70-130			
1,1,2,2-Tetrachloroethane	8.39	0.50	µg/L	10.0		83.9	70-130			
Tetrachloroethylene	9.37	1.0	µg/L	10.0		93.7	70-130			
Tetrahydrofuran	9.99	10	µg/L	10.0		99.9	70-130			J
Toluene	9.49	1.0	µg/L	10.0		94.9	70-130			
1,2,3-Trichlorobenzene	7.74	5.0	µg/L	10.0		77.4	70-130			
1,2,4-Trichlorobenzene	8.38	1.0	µg/L	10.0		83.8	70-130			
1,3,5-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2-Trichloroethane	9.62	1.0	µg/L	10.0		96.2	70-130			
Trichloroethylene	9.90	1.0	µg/L	10.0		99.0	70-130			
Trichlorofluoromethane (Freon 11)	10.0	2.0	µg/L	10.0		100	70-130			
1,2,3-Trichloropropane	9.36	2.0	µg/L	10.0		93.6	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
Batch B335100 - SW-846 5030B										
LCS (B335100-BS1)										
Prepared & Analyzed: 03/24/23										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130			
1,2,4-Trimethylbenzene	9.27	1.0	µg/L	10.0		92.7	70-130			
1,3,5-Trimethylbenzene	9.04	1.0	µg/L	10.0		90.4	70-130			
Vinyl Chloride	10.1	2.0	µg/L	10.0		101	40-160			†
m+p Xylene	18.6	2.0	µg/L	20.0		93.1	70-130			
o-Xylene	9.37	1.0	µg/L	10.0		93.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	28.2		µg/L	25.0		113	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.2	70-130			
LCS Dup (B335100-BSD1)										
Prepared: 03/24/23 Analyzed: 03/25/23										
Acetone	110	50	µg/L	100		110	70-160	7.04	25	†
Acrylonitrile	9.24	5.0	µg/L	10.0		92.4	70-130	1.40	25	
tert-Amyl Methyl Ether (TAME)	9.41	0.50	µg/L	10.0		94.1	70-130	7.84	25	
Benzene	10.8	1.0	µg/L	10.0		108	70-130	0.653	25	
Bromobenzene	9.35	1.0	µg/L	10.0		93.5	70-130	1.49	25	
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130	2.06	25	
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130	2.07	25	
Bromoform	8.01	1.0	µg/L	10.0		80.1	70-130	3.30	25	
Bromomethane	14.5	2.0	µg/L	10.0		145	40-160	3.13	25	V-20 †
2-Butanone (MEK)	113	20	µg/L	100		113	40-160	5.98	25	†
tert-Butyl Alcohol (TBA)	77.9	20	µg/L	100		77.9	40-160	4.76	25	†
n-Butylbenzene	9.78	1.0	µg/L	10.0		97.8	70-130	1.96	25	
sec-Butylbenzene	9.65	1.0	µg/L	10.0		96.5	70-130	2.84	25	
tert-Butylbenzene	9.86	1.0	µg/L	10.0		98.6	70-130	2.36	25	
tert-Butyl Ethyl Ether (TBEE)	9.96	0.50	µg/L	10.0		99.6	70-130	2.44	25	
Carbon Disulfide	102	5.0	µg/L	100		102	70-130	4.11	25	
Carbon Tetrachloride	9.78	5.0	µg/L	10.0		97.8	70-130	5.57	25	
Chlorobenzene	9.67	1.0	µg/L	10.0		96.7	70-130	2.41	25	
Chlorodibromomethane	9.15	0.50	µg/L	10.0		91.5	70-130	6.20	25	
Chloroethane	9.47	2.0	µg/L	10.0		94.7	70-130	2.46	25	
Chloroform	10.8	2.0	µg/L	10.0		108	70-130	2.34	25	
Chloromethane	9.44	2.0	µg/L	10.0		94.4	40-160	1.71	25	†
2-Chlorotoluene	9.57	1.0	µg/L	10.0		95.7	70-130	2.33	25	
4-Chlorotoluene	9.09	1.0	µg/L	10.0		90.9	70-130	0.767	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.04	5.0	µg/L	10.0		80.4	70-130	5.89	25	
1,2-Dibromoethane (EDB)	9.66	0.50	µg/L	10.0		96.6	70-130	5.64	25	
Dibromomethane	9.74	1.0	µg/L	10.0		97.4	70-130	0.308	25	
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	4.57	25	
1,3-Dichlorobenzene	9.84	1.0	µg/L	10.0		98.4	70-130	0.203	25	
1,4-Dichlorobenzene	9.81	1.0	µg/L	10.0		98.1	70-130	4.91	25	
trans-1,4-Dichloro-2-butene	6.52	2.0	µg/L	10.0		65.2	* 70-130	11.2	25	L-04, V-05
Dichlorodifluoromethane (Freon 12)	9.62	2.0	µg/L	10.0		96.2	40-160	1.04	25	†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	1.82	25	
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	0.657	25	
1,1-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	3.21	25	
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.00	25	
trans-1,2-Dichloroethylene	9.95	1.0	µg/L	10.0		99.5	70-130	3.94	25	
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130	0.00	25	
1,3-Dichloropropane	10.0	0.50	µg/L	10.0		100	70-130	3.97	25	
2,2-Dichloropropane	8.71	1.0	µg/L	10.0		87.1	40-130	0.344	25	†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108	70-130	4.94	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
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Batch B335100 - SW-846 5030B
LCS Dup (B335100-BSD1)

Prepared: 03/24/23 Analyzed: 03/25/23

cis-1,3-Dichloropropene	9.29	0.50	µg/L	10.0		92.9	70-130	0.323	25	
trans-1,3-Dichloropropene	9.23	0.50	µg/L	10.0		92.3	70-130	5.23	25	
Diethyl Ether	10.9	2.0	µg/L	10.0		109	70-130	0.911	25	
Diisopropyl Ether (DIPE)	12.1	0.50	µg/L	10.0		121	70-130	0.165	25	V-20
1,4-Dioxane	83.0	50	µg/L	100		83.0	40-130	11.3	50	† ‡
Ethylbenzene	9.82	1.0	µg/L	10.0		98.2	70-130	3.21	25	
Hexachlorobutadiene	9.69	0.60	µg/L	10.0		96.9	70-130	4.75	25	
2-Hexanone (MBK)	94.5	10	µg/L	100		94.5	70-160	15.3	25	†
Isopropylbenzene (Cumene)	9.47	1.0	µg/L	10.0		94.7	70-130	0.955	25	
p-Isopropyltoluene (p-Cymene)	9.80	1.0	µg/L	10.0		98.0	70-130	6.10	25	
Methyl Acetate	13.1	1.0	µg/L	10.0		131	* 70-130	5.91	25	L-07, V-20
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.0		103	70-130	0.388	25	
Methyl Cyclohexane	10.7	1.0	µg/L	10.0		107	70-130	3.90	25	
Methylene Chloride	10.5	5.0	µg/L	10.0		105	70-130	1.42	25	
4-Methyl-2-pentanone (MIBK)	96.9	10	µg/L	100		96.9	70-160	7.95	25	†
Naphthalene	6.55	2.0	µg/L	10.0		65.5	40-130	5.97	25	V-05 †
n-Propylbenzene	9.19	1.0	µg/L	10.0		91.9	70-130	1.31	25	
Styrene	9.24	1.0	µg/L	10.0		92.4	70-130	1.50	25	
1,1,1,2-Tetrachloroethane	9.11	1.0	µg/L	10.0		91.1	70-130	1.88	25	
1,1,2,2-Tetrachloroethane	8.71	0.50	µg/L	10.0		87.1	70-130	3.74	25	
Tetrachloroethylene	9.72	1.0	µg/L	10.0		97.2	70-130	3.67	25	
Tetrahydrofuran	10.3	10	µg/L	10.0		103	70-130	2.76	25	
Toluene	10.0	1.0	µg/L	10.0		100	70-130	5.53	25	
1,2,3-Trichlorobenzene	8.12	5.0	µg/L	10.0		81.2	70-130	4.79	25	
1,2,4-Trichlorobenzene	9.05	1.0	µg/L	10.0		90.5	70-130	7.69	25	
1,3,5-Trichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	3.08	25	
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	5.00	25	
1,1,2-Trichloroethane	9.67	1.0	µg/L	10.0		96.7	70-130	0.518	25	
Trichloroethylene	9.88	1.0	µg/L	10.0		98.8	70-130	0.202	25	
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104	70-130	3.92	25	
1,2,3-Trichloropropane	8.59	2.0	µg/L	10.0		85.9	70-130	8.58	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130	0.858	25	
1,2,4-Trimethylbenzene	9.67	1.0	µg/L	10.0		96.7	70-130	4.22	25	
1,3,5-Trimethylbenzene	9.20	1.0	µg/L	10.0		92.0	70-130	1.75	25	
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160	4.44	25	†
m+p Xylene	18.8	2.0	µg/L	20.0		93.9	70-130	0.856	25	
o-Xylene	9.52	1.0	µg/L	10.0		95.2	70-130	1.59	25	
Surrogate: 1,2-Dichloroethane-d4	28.1		µg/L	25.0		112	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		µg/L	25.0		95.9	70-130			

Batch B335101 - SW-846 5030B
Blank (B335101-BLK1)

Prepared & Analyzed: 03/24/23

Acetone	ND	50	µg/L
Acrylonitrile	ND	5.0	µg/L
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L
Benzene	ND	1.0	µg/L
Bromobenzene	ND	1.0	µg/L
Bromochloromethane	ND	1.0	µg/L
Bromodichloromethane	ND	0.50	µg/L
Bromoform	ND	1.0	µg/L

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
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Batch B335101 - SW-846 5030B
Blank (B335101-BLK1)

Prepared & Analyzed: 03/24/23

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							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	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							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
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							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	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							
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							
1,1,1,2-Tetrachloroethane	ND	1.0	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
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Batch B335101 - SW-846 5030B
Blank (B335101-BLK1)

Prepared & Analyzed: 03/24/23

1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	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							
1,3,5-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							
Surrogate: 1,2-Dichloroethane-d4	28.3		µg/L	25.0		113	70-130			
Surrogate: Toluene-d8	26.1		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	24.1		µg/L	25.0		96.4	70-130			

LCS (B335101-BS1)

Prepared & Analyzed: 03/24/23

Acetone	124	50	µg/L	100		124	70-160			†
Acrylonitrile	10.4	5.0	µg/L	10.0		104	70-130			
tert-Amyl Methyl Ether (TAME)	9.33	0.50	µg/L	10.0		93.3	70-130			
Benzene	10.3	1.0	µg/L	10.0		103	70-130			
Bromobenzene	9.10	1.0	µg/L	10.0		91.0	70-130			
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130			
Bromodichloromethane	9.53	0.50	µg/L	10.0		95.3	70-130			
Bromoform	8.25	1.0	µg/L	10.0		82.5	70-130		V-05	
Bromomethane	12.5	2.0	µg/L	10.0		125	40-160		V-20	†
2-Butanone (MEK)	132	20	µg/L	100		132	40-160		V-20	†
tert-Butyl Alcohol (TBA)	96.4	20	µg/L	100		96.4	40-160			†
n-Butylbenzene	9.44	1.0	µg/L	10.0		94.4	70-130			
sec-Butylbenzene	9.27	1.0	µg/L	10.0		92.7	70-130			
tert-Butylbenzene	9.19	1.0	µg/L	10.0		91.9	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.82	0.50	µg/L	10.0		98.2	70-130			
Carbon Disulfide	99.6	5.0	µg/L	100		99.6	70-130			
Carbon Tetrachloride	9.24	5.0	µg/L	10.0		92.4	70-130			
Chlorobenzene	8.98	1.0	µg/L	10.0		89.8	70-130			
Chlorodibromomethane	8.66	0.50	µg/L	10.0		86.6	70-130			
Chloroethane	8.99	2.0	µg/L	10.0		89.9	70-130			
Chloroform	10.1	2.0	µg/L	10.0		101	70-130			
Chloromethane	9.12	2.0	µg/L	10.0		91.2	40-160			†
2-Chlorotoluene	9.08	1.0	µg/L	10.0		90.8	70-130			
4-Chlorotoluene	9.05	1.0	µg/L	10.0		90.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.79	5.0	µg/L	10.0		87.9	70-130			
1,2-Dibromoethane (EDB)	9.68	0.50	µg/L	10.0		96.8	70-130			
Dibromomethane	9.54	1.0	µg/L	10.0		95.4	70-130			
1,2-Dichlorobenzene	9.42	1.0	µg/L	10.0		94.2	70-130			
1,3-Dichlorobenzene	9.34	1.0	µg/L	10.0		93.4	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
Batch B335101 - SW-846 5030B										
LCS (B335101-BS1)				Prepared & Analyzed: 03/24/23						
1,4-Dichlorobenzene	9.26	1.0	µg/L	10.0		92.6	70-130			
trans-1,4-Dichloro-2-butene	7.94	2.0	µg/L	10.0		79.4	70-130			V-05
Dichlorodifluoromethane (Freon 12)	10.6	2.0	µg/L	10.0		106	40-160			†
1,1-Dichloroethane	9.93	1.0	µg/L	10.0		99.3	70-130			
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
trans-1,2-Dichloroethylene	9.22	1.0	µg/L	10.0		92.2	70-130			
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130			
1,3-Dichloropropane	9.61	0.50	µg/L	10.0		96.1	70-130			
2,2-Dichloropropane	9.52	1.0	µg/L	10.0		95.2	40-130			†
1,1-Dichloropropene	10.4	2.0	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	9.45	0.50	µg/L	10.0		94.5	70-130			
trans-1,3-Dichloropropene	9.51	0.50	µg/L	10.0		95.1	70-130			
Diethyl Ether	11.2	2.0	µg/L	10.0		112	70-130			
Diisopropyl Ether (DIPE)	11.5	0.50	µg/L	10.0		115	70-130			
1,4-Dioxane	103	50	µg/L	100		103	40-130			†
Ethylbenzene	9.22	1.0	µg/L	10.0		92.2	70-130			
Hexachlorobutadiene	10.5	0.60	µg/L	10.0		105	70-130			
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160			†
Isopropylbenzene (Cumene)	9.14	1.0	µg/L	10.0		91.4	70-130			
p-Isopropyltoluene (p-Cymene)	9.04	1.0	µg/L	10.0		90.4	70-130			
Methyl Acetate	13.5	1.0	µg/L	10.0		135	* 70-130			L-07, V-20
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.0		103	70-130			
Methyl Cyclohexane	10.9	1.0	µg/L	10.0		109	70-130			
Methylene Chloride	10.2	5.0	µg/L	10.0		102	70-130			
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100		109	70-160			†
Naphthalene	8.27	2.0	µg/L	10.0		82.7	40-130			†
n-Propylbenzene	9.12	1.0	µg/L	10.0		91.2	70-130			
Styrene	9.05	1.0	µg/L	10.0		90.5	70-130			
1,1,1,2-Tetrachloroethane	8.97	1.0	µg/L	10.0		89.7	70-130			
1,1,2,2-Tetrachloroethane	9.19	0.50	µg/L	10.0		91.9	70-130			
Tetrachloroethylene	9.35	1.0	µg/L	10.0		93.5	70-130			
Tetrahydrofuran	11.8	10	µg/L	10.0		118	70-130			
Toluene	9.40	1.0	µg/L	10.0		94.0	70-130			
1,2,3-Trichlorobenzene	9.11	5.0	µg/L	10.0		91.1	70-130			
1,2,4-Trichlorobenzene	9.12	1.0	µg/L	10.0		91.2	70-130			
1,3,5-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1-Trichloroethane	9.71	1.0	µg/L	10.0		97.1	70-130			
1,1,2-Trichloroethane	9.48	1.0	µg/L	10.0		94.8	70-130			
Trichloroethylene	9.71	1.0	µg/L	10.0		97.1	70-130			
Trichlorofluoromethane (Freon 11)	9.86	2.0	µg/L	10.0		98.6	70-130			
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130			
1,2,4-Trimethylbenzene	9.04	1.0	µg/L	10.0		90.4	70-130			
1,3,5-Trimethylbenzene	8.97	1.0	µg/L	10.0		89.7	70-130			
Vinyl Chloride	10.1	2.0	µg/L	10.0		101	40-160			†
m+p Xylene	18.6	2.0	µg/L	20.0		92.8	70-130			
o-Xylene	9.18	1.0	µg/L	10.0		91.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	28.6		µg/L	25.0		114	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		103	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
Batch B335101 - SW-846 5030B										
LCS (B335101-BS1)										
Prepared & Analyzed: 03/24/23										
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.0		99.4	70-130			
LCS Dup (B335101-BS1)										
Prepared & Analyzed: 03/24/23										
Acetone	116	50	µg/L	100		116	70-160	6.90	25	†
Acrylonitrile	9.87	5.0	µg/L	10.0		98.7	70-130	5.61	25	
tert-Amyl Methyl Ether (TAME)	9.07	0.50	µg/L	10.0		90.7	70-130	2.83	25	
Benzene	10.0	1.0	µg/L	10.0		100	70-130	2.56	25	
Bromobenzene	9.46	1.0	µg/L	10.0		94.6	70-130	3.88	25	
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130	4.39	25	
Bromodichloromethane	9.54	0.50	µg/L	10.0		95.4	70-130	0.105	25	
Bromoform	8.13	1.0	µg/L	10.0		81.3	70-130	1.47	25	V-05
Bromomethane	13.8	2.0	µg/L	10.0		138	40-160	10.0	25	V-20 †
2-Butanone (MEK)	120	20	µg/L	100		120	40-160	9.34	25	V-20 †
tert-Butyl Alcohol (TBA)	85.9	20	µg/L	100		85.9	40-160	11.5	25	†
n-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	7.15	25	
sec-Butylbenzene	9.54	1.0	µg/L	10.0		95.4	70-130	2.87	25	
tert-Butylbenzene	9.76	1.0	µg/L	10.0		97.6	70-130	6.02	25	
tert-Butyl Ethyl Ether (TBEE)	9.65	0.50	µg/L	10.0		96.5	70-130	1.75	25	
Carbon Disulfide	98.9	5.0	µg/L	100		98.9	70-130	0.665	25	
Carbon Tetrachloride	9.12	5.0	µg/L	10.0		91.2	70-130	1.31	25	
Chlorobenzene	9.57	1.0	µg/L	10.0		95.7	70-130	6.36	25	
Chlorodibromomethane	8.71	0.50	µg/L	10.0		87.1	70-130	0.576	25	
Chloroethane	9.07	2.0	µg/L	10.0		90.7	70-130	0.886	25	
Chloroform	10.0	2.0	µg/L	10.0		100	70-130	0.199	25	
Chloromethane	9.10	2.0	µg/L	10.0		91.0	40-160	0.220	25	†
2-Chlorotoluene	9.21	1.0	µg/L	10.0		92.1	70-130	1.42	25	
4-Chlorotoluene	9.44	1.0	µg/L	10.0		94.4	70-130	4.22	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.31	5.0	µg/L	10.0		93.1	70-130	5.75	25	
1,2-Dibromoethane (EDB)	9.82	0.50	µg/L	10.0		98.2	70-130	1.44	25	
Dibromomethane	9.94	1.0	µg/L	10.0		99.4	70-130	4.11	25	
1,2-Dichlorobenzene	9.69	1.0	µg/L	10.0		96.9	70-130	2.83	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	7.42	25	
1,4-Dichlorobenzene	9.64	1.0	µg/L	10.0		96.4	70-130	4.02	25	
trans-1,4-Dichloro-2-butene	7.13	2.0	µg/L	10.0		71.3	70-130	10.7	25	V-05
Dichlorodifluoromethane (Freon 12)	10.4	2.0	µg/L	10.0		104	40-160	2.28	25	†
1,1-Dichloroethane	9.94	1.0	µg/L	10.0		99.4	70-130	0.101	25	
1,2-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.470	25	
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.15	25	
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.85	25	
trans-1,2-Dichloroethylene	9.55	1.0	µg/L	10.0		95.5	70-130	3.52	25	
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130	1.39	25	
1,3-Dichloropropane	9.89	0.50	µg/L	10.0		98.9	70-130	2.87	25	
2,2-Dichloropropane	9.63	1.0	µg/L	10.0		96.3	40-130	1.15	25	†
1,1-Dichloropropene	9.96	2.0	µg/L	10.0		99.6	70-130	4.32	25	
cis-1,3-Dichloropropene	9.53	0.50	µg/L	10.0		95.3	70-130	0.843	25	
trans-1,3-Dichloropropene	9.22	0.50	µg/L	10.0		92.2	70-130	3.10	25	
Diethyl Ether	10.6	2.0	µg/L	10.0		106	70-130	4.87	25	
Diisopropyl Ether (DIPE)	11.4	0.50	µg/L	10.0		114	70-130	0.609	25	
1,4-Dioxane	92.9	50	µg/L	100		92.9	40-130	10.7	50	† ‡
Ethylbenzene	9.68	1.0	µg/L	10.0		96.8	70-130	4.87	25	
Hexachlorobutadiene	10.3	0.60	µg/L	10.0		103	70-130	1.35	25	
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160	5.90	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
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Batch B335101 - SW-846 5030B
LCS Dup (B335101-BSD1)

Prepared & Analyzed: 03/24/23

Isopropylbenzene (Cumene)	9.44	1.0	µg/L	10.0		94.4	70-130	3.23	25	
p-Isopropyltoluene (p-Cymene)	9.62	1.0	µg/L	10.0		96.2	70-130	6.22	25	
Methyl Acetate	13.0	1.0	µg/L	10.0		130	70-130	3.48	25	V-20
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130	0.783	25	
Methyl Cyclohexane	11.2	1.0	µg/L	10.0		112	70-130	3.16	25	
Methylene Chloride	10.1	5.0	µg/L	10.0		101	70-130	0.295	25	
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160	3.73	25	†
Naphthalene	7.71	2.0	µg/L	10.0		77.1	40-130	7.01	25	†
n-Propylbenzene	9.55	1.0	µg/L	10.0		95.5	70-130	4.61	25	
Styrene	9.29	1.0	µg/L	10.0		92.9	70-130	2.62	25	
1,1,1,2-Tetrachloroethane	8.91	1.0	µg/L	10.0		89.1	70-130	0.671	25	
1,1,2,2-Tetrachloroethane	8.96	0.50	µg/L	10.0		89.6	70-130	2.53	25	
Tetrachloroethylene	9.76	1.0	µg/L	10.0		97.6	70-130	4.29	25	
Tetrahydrofuran	11.5	10	µg/L	10.0		115	70-130	2.41	25	
Toluene	9.61	1.0	µg/L	10.0		96.1	70-130	2.21	25	
1,2,3-Trichlorobenzene	8.73	5.0	µg/L	10.0		87.3	70-130	4.26	25	
1,2,4-Trichlorobenzene	9.17	1.0	µg/L	10.0		91.7	70-130	0.547	25	
1,3,5-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.671	25	
1,1,1-Trichloroethane	9.71	1.0	µg/L	10.0		97.1	70-130	0.00	25	
1,1,2-Trichloroethane	9.50	1.0	µg/L	10.0		95.0	70-130	0.211	25	
Trichloroethylene	9.94	1.0	µg/L	10.0		99.4	70-130	2.34	25	
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130	2.31	25	
1,2,3-Trichloropropane	8.90	2.0	µg/L	10.0		89.0	70-130	24.5	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130	0.765	25	
1,2,4-Trimethylbenzene	9.36	1.0	µg/L	10.0		93.6	70-130	3.48	25	
1,3,5-Trimethylbenzene	9.25	1.0	µg/L	10.0		92.5	70-130	3.07	25	
Vinyl Chloride	10.2	2.0	µg/L	10.0		102	40-160	1.28	25	†
m+p Xylene	19.3	2.0	µg/L	20.0		96.5	70-130	3.96	25	
o-Xylene	9.32	1.0	µg/L	10.0		93.2	70-130	1.51	25	
Surrogate: 1,2-Dichloroethane-d4	27.0		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.4	70-130			

Matrix Spike (B335101-MS1)

Source: 23C2429-30

Prepared & Analyzed: 03/24/23

Acetone	87.6	50	µg/L	100	ND	87.6	70-130			
Acrylonitrile	7.14	5.0	µg/L	10.0	ND	71.4	70-130			
tert-Amyl Methyl Ether (TAME)	6.70	0.50	µg/L	10.0	ND	67.0	* 70-130			MS-24
Benzene	8.97	1.0	µg/L	10.0	ND	89.7	70-130			
Bromobenzene	8.22	1.0	µg/L	10.0	ND	82.2	70-130			
Bromochloromethane	9.79	1.0	µg/L	10.0	ND	97.9	70-130			
Bromodichloromethane	8.47	0.50	µg/L	10.0	ND	84.7	70-130			
Bromoform	6.48	1.0	µg/L	10.0	ND	64.8	* 70-130			MS-07A, V-05
Bromomethane	13.6	2.0	µg/L	10.0	ND	136	* 70-130			MS-15, V-20
2-Butanone (MEK)	89.3	20	µg/L	100	ND	89.3	70-130			V-20
tert-Butyl Alcohol (TBA)	64.3	20	µg/L	100	ND	64.3	* 70-130			MS-24
n-Butylbenzene	8.31	1.0	µg/L	10.0	ND	83.1	70-130			
sec-Butylbenzene	8.15	1.0	µg/L	10.0	ND	81.5	70-130			
tert-Butylbenzene	8.65	1.0	µg/L	10.0	ND	86.5	70-130			
tert-Butyl Ethyl Ether (TBEE)	7.19	0.50	µg/L	10.0	ND	71.9	70-130			
Carbon Disulfide	97.2	5.0	µg/L	100	ND	97.2	70-130			
Carbon Tetrachloride	8.75	5.0	µg/L	10.0	ND	87.5	70-130			
Chlorobenzene	8.09	1.0	µg/L	10.0	ND	80.9	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
Batch B335101 - SW-846 5030B										
Matrix Spike (B335101-MS1)	Source: 23C2429-30			Prepared & Analyzed: 03/24/23						
Chlorodibromomethane	7.35	0.50	µg/L	10.0	ND	73.5	70-130			
Chloroethane	8.75	2.0	µg/L	10.0	ND	87.5	70-130			
Chloroform	8.84	2.0	µg/L	10.0	ND	88.4	70-130			
Chloromethane	8.97	2.0	µg/L	10.0	ND	89.7	70-130			
2-Chlorotoluene	7.97	1.0	µg/L	10.0	ND	79.7	70-130			
4-Chlorotoluene	7.78	1.0	µg/L	10.0	ND	77.8	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	6.74	5.0	µg/L	10.0	ND	67.4	70-130	*		MS-07A
1,2-Dibromoethane (EDB)	8.30	0.50	µg/L	10.0	ND	83.0	70-130			
Dibromomethane	8.12	1.0	µg/L	10.0	ND	81.2	70-130			
1,2-Dichlorobenzene	7.98	1.0	µg/L	10.0	ND	79.8	70-130			
1,3-Dichlorobenzene	8.06	1.0	µg/L	10.0	ND	80.6	70-130			
1,4-Dichlorobenzene	8.04	1.0	µg/L	10.0	ND	80.4	70-130			
trans-1,4-Dichloro-2-butene	4.89	2.0	µg/L	10.0	ND	48.9	70-130	*		MS-07A, V-05
Dichlorodifluoromethane (Freon 12)	10.5	2.0	µg/L	10.0	ND	105	70-130			
1,1-Dichloroethane	8.88	1.0	µg/L	10.0	ND	88.8	70-130			
1,2-Dichloroethane	9.15	1.0	µg/L	10.0	ND	91.5	70-130			
1,1-Dichloroethylene	9.64	1.0	µg/L	10.0	ND	96.4	70-130			
cis-1,2-Dichloroethylene	9.03	1.0	µg/L	10.0	ND	90.3	70-130			
trans-1,2-Dichloroethylene	8.95	1.0	µg/L	10.0	ND	89.5	70-130			
1,2-Dichloropropane	9.01	1.0	µg/L	10.0	ND	90.1	70-130			
1,3-Dichloropropane	8.33	0.50	µg/L	10.0	ND	83.3	70-130			
2,2-Dichloropropane	6.98	1.0	µg/L	10.0	ND	69.8	70-130	*		MS-07A
1,1-Dichloropropene	9.19	2.0	µg/L	10.0	ND	91.9	70-130			
cis-1,3-Dichloropropene	7.74	0.50	µg/L	10.0	ND	77.4	70-130			
trans-1,3-Dichloropropene	7.18	0.50	µg/L	10.0	ND	71.8	70-130			
Diethyl Ether	9.38	2.0	µg/L	10.0	ND	93.8	70-130			
Diisopropyl Ether (DIPE)	9.75	0.50	µg/L	10.0	ND	97.5	70-130			
1,4-Dioxane	68.8	50	µg/L	100	ND	68.8	70-130	*		MS-24
Ethylbenzene	8.43	1.0	µg/L	10.0	ND	84.3	70-130			
Hexachlorobutadiene	8.15	0.60	µg/L	10.0	ND	81.5	70-130			
2-Hexanone (MBK)	69.6	10	µg/L	100	ND	69.6	70-130	*		MS-24
Isopropylbenzene (Cumene)	7.99	1.0	µg/L	10.0	ND	79.9	70-130			
p-Isopropyltoluene (p-Cymene)	7.72	1.0	µg/L	10.0	ND	77.2	70-130			
Methyl Acetate	8.48	1.0	µg/L	10.0	ND	84.8	70-130			V-20
Methyl tert-Butyl Ether (MTBE)	7.99	1.0	µg/L	10.0	ND	79.9	70-130			
Methyl Cyclohexane	9.96	1.0	µg/L	10.0	ND	99.6	70-130			
Methylene Chloride	9.16	5.0	µg/L	10.0	ND	91.6	70-130			
4-Methyl-2-pentanone (MIBK)	78.1	10	µg/L	100	ND	78.1	70-130			
Naphthalene	4.06	2.0	µg/L	10.0	ND	40.6	70-130	*		MS-07A
n-Propylbenzene	8.06	1.0	µg/L	10.0	ND	80.6	70-130			
Styrene	7.70	1.0	µg/L	10.0	ND	77.0	70-130			
1,1,1,2-Tetrachloroethane	7.79	1.0	µg/L	10.0	ND	77.9	70-130			
1,1,2,2-Tetrachloroethane	7.30	0.50	µg/L	10.0	ND	73.0	70-130			
Tetrachloroethylene	8.30	1.0	µg/L	10.0	ND	83.0	70-130			
Tetrahydrofuran	8.55	10	µg/L	10.0	ND	85.5	70-130			J
Toluene	8.50	1.0	µg/L	10.0	ND	85.0	70-130			
1,2,3-Trichlorobenzene	6.10	5.0	µg/L	10.0	ND	61.0	70-130	*		MS-07A
1,2,4-Trichlorobenzene	6.34	1.0	µg/L	10.0	ND	63.4	70-130	*		MS-24
1,3,5-Trichlorobenzene	8.53	1.0	µg/L	10.0	ND	85.3	70-130			
1,1,1-Trichloroethane	9.08	1.0	µg/L	10.0	ND	90.8	70-130			
1,1,2-Trichloroethane	8.08	1.0	µg/L	10.0	ND	80.8	70-130			
Trichloroethylene	8.98	1.0	µg/L	10.0	ND	89.8	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
Batch B335101 - SW-846 5030B										
Matrix Spike (B335101-MS1)	Source: 23C2429-30			Prepared & Analyzed: 03/24/23						
Trichlorofluoromethane (Freon 11)	9.71	2.0	µg/L	10.0	ND	97.1	70-130			
1,2,3-Trichloropropane	8.62	2.0	µg/L	10.0	ND	86.2	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.83	1.0	µg/L	10.0	ND	98.3	70-130			
1,2,4-Trimethylbenzene	8.03	1.0	µg/L	10.0	ND	80.3	70-130			
1,3,5-Trimethylbenzene	7.88	1.0	µg/L	10.0	ND	78.8	70-130			
Vinyl Chloride	9.81	2.0	µg/L	10.0	ND	98.1	70-130			
m+p Xylene	16.4	2.0	µg/L	20.0	ND	82.2	70-130			
o-Xylene	7.98	1.0	µg/L	10.0	ND	79.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	27.4		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	25.7		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	24.2		µg/L	25.0		96.6	70-130			
Matrix Spike Dup (B335101-MSD1)	Source: 23C2429-30			Prepared & Analyzed: 03/24/23						
Acetone	92.9	50	µg/L	100	ND	92.9	70-130	5.91	30	
Acrylonitrile	7.34	5.0	µg/L	10.0	ND	73.4	70-130	2.76	30	
tert-Amyl Methyl Ether (TAME)	7.02	0.50	µg/L	10.0	ND	70.2	70-130	4.66	30	
Benzene	8.99	1.0	µg/L	10.0	ND	89.9	70-130	0.223	30	
Bromobenzene	8.00	1.0	µg/L	10.0	ND	80.0	70-130	2.71	30	
Bromochloromethane	9.53	1.0	µg/L	10.0	ND	95.3	70-130	2.69	30	
Bromodichloromethane	8.36	0.50	µg/L	10.0	ND	83.6	70-130	1.31	30	
Bromoform	6.64	1.0	µg/L	10.0	ND	66.4	* 70-130	2.44	30	MS-07A, V-05
Bromomethane	13.7	2.0	µg/L	10.0	ND	137	* 70-130	0.658	30	MS-15, V-20
2-Butanone (MEK)	96.2	20	µg/L	100	ND	96.2	70-130	7.47	30	V-20
tert-Butyl Alcohol (TBA)	74.8	20	µg/L	100	ND	74.8	70-130	15.2	30	
n-Butylbenzene	8.43	1.0	µg/L	10.0	ND	84.3	70-130	1.43	30	
sec-Butylbenzene	8.10	1.0	µg/L	10.0	ND	81.0	70-130	0.615	30	
tert-Butylbenzene	8.27	1.0	µg/L	10.0	ND	82.7	70-130	4.49	30	
tert-Butyl Ethyl Ether (TBEE)	7.42	0.50	µg/L	10.0	ND	74.2	70-130	3.15	30	
Carbon Disulfide	96.7	5.0	µg/L	100	ND	96.7	70-130	0.557	30	
Carbon Tetrachloride	8.42	5.0	µg/L	10.0	ND	84.2	70-130	3.84	30	
Chlorobenzene	8.08	1.0	µg/L	10.0	ND	80.8	70-130	0.124	30	
Chlorodibromomethane	7.58	0.50	µg/L	10.0	ND	75.8	70-130	3.08	30	
Chloroethane	9.02	2.0	µg/L	10.0	ND	90.2	70-130	3.04	30	
Chloroform	8.88	2.0	µg/L	10.0	ND	88.8	70-130	0.451	30	
Chloromethane	8.92	2.0	µg/L	10.0	ND	89.2	70-130	0.559	30	
2-Chlorotoluene	7.98	1.0	µg/L	10.0	ND	79.8	70-130	0.125	30	
4-Chlorotoluene	7.99	1.0	µg/L	10.0	ND	79.9	70-130	2.66	30	
1,2-Dibromo-3-chloropropane (DBCP)	6.75	5.0	µg/L	10.0	ND	67.5	* 70-130	0.148	30	MS-07A
1,2-Dibromoethane (EDB)	7.51	0.50	µg/L	10.0	ND	75.1	70-130	9.99	30	
Dibromomethane	7.98	1.0	µg/L	10.0	ND	79.8	70-130	1.74	30	
1,2-Dichlorobenzene	8.07	1.0	µg/L	10.0	ND	80.7	70-130	1.12	30	
1,3-Dichlorobenzene	8.20	1.0	µg/L	10.0	ND	82.0	70-130	1.72	30	
1,4-Dichlorobenzene	8.04	1.0	µg/L	10.0	ND	80.4	70-130	0.00	30	
trans-1,4-Dichloro-2-butene	5.36	2.0	µg/L	10.0	ND	53.6	* 70-130	9.17	30	MS-07A, V-05
Dichlorodifluoromethane (Freon 12)	10.4	2.0	µg/L	10.0	ND	104	70-130	1.44	30	
1,1-Dichloroethane	9.02	1.0	µg/L	10.0	ND	90.2	70-130	1.56	30	
1,2-Dichloroethane	9.01	1.0	µg/L	10.0	ND	90.1	70-130	1.54	30	
1,1-Dichloroethylene	9.54	1.0	µg/L	10.0	ND	95.4	70-130	1.04	30	
cis-1,2-Dichloroethylene	8.90	1.0	µg/L	10.0	ND	89.0	70-130	1.45	30	
trans-1,2-Dichloroethylene	8.80	1.0	µg/L	10.0	ND	88.0	70-130	1.69	30	
1,2-Dichloropropane	8.83	1.0	µg/L	10.0	ND	88.3	70-130	2.02	30	
1,3-Dichloropropane	8.17	0.50	µg/L	10.0	ND	81.7	70-130	1.94	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 B335101 - SW-846 5030B										
Matrix Spike Dup (B335101-MSD1)		Source: 23C2429-30			Prepared & Analyzed: 03/24/23					
2,2-Dichloropropane	6.94	1.0	µg/L	10.0	ND	69.4 *	70-130	0.575	30	MS-07A
1,1-Dichloropropene	9.55	2.0	µg/L	10.0	ND	95.5	70-130	3.84	30	
cis-1,3-Dichloropropene	7.55	0.50	µg/L	10.0	ND	75.5	70-130	2.49	30	
trans-1,3-Dichloropropene	7.19	0.50	µg/L	10.0	ND	71.9	70-130	0.139	30	
Diethyl Ether	9.12	2.0	µg/L	10.0	ND	91.2	70-130	2.81	30	
Diisopropyl Ether (DIPE)	9.63	0.50	µg/L	10.0	ND	96.3	70-130	1.24	30	
1,4-Dioxane	70.3	50	µg/L	100	ND	70.3	70-130	2.17	30	
Ethylbenzene	8.24	1.0	µg/L	10.0	ND	82.4	70-130	2.28	30	
Hexachlorobutadiene	8.50	0.60	µg/L	10.0	ND	85.0	70-130	4.20	30	
2-Hexanone (MBK)	76.6	10	µg/L	100	ND	76.6	70-130	9.66	30	
Isopropylbenzene (Cumene)	8.06	1.0	µg/L	10.0	ND	80.6	70-130	0.872	30	
p-Isopropyltoluene (p-Cymene)	7.70	1.0	µg/L	10.0	ND	77.0	70-130	0.259	30	
Methyl Acetate	8.60	1.0	µg/L	10.0	ND	86.0	70-130	1.41	30	V-20
Methyl tert-Butyl Ether (MTBE)	8.08	1.0	µg/L	10.0	ND	80.8	70-130	1.12	30	
Methyl Cyclohexane	9.97	1.0	µg/L	10.0	ND	99.7	70-130	0.100	30	
Methylene Chloride	9.09	5.0	µg/L	10.0	ND	90.9	70-130	0.767	30	
4-Methyl-2-pentanone (MIBK)	80.4	10	µg/L	100	ND	80.4	70-130	2.81	30	
Naphthalene	5.29	2.0	µg/L	10.0	ND	52.9 *	70-130	26.3	30	MS-07A
n-Propylbenzene	8.16	1.0	µg/L	10.0	ND	81.6	70-130	1.23	30	
Styrene	7.77	1.0	µg/L	10.0	ND	77.7	70-130	0.905	30	
1,1,1,2-Tetrachloroethane	7.91	1.0	µg/L	10.0	ND	79.1	70-130	1.53	30	
1,1,2,2-Tetrachloroethane	7.69	0.50	µg/L	10.0	ND	76.9	70-130	5.20	30	
Tetrachloroethylene	8.51	1.0	µg/L	10.0	ND	85.1	70-130	2.50	30	
Tetrahydrofuran	8.80	10	µg/L	10.0	ND	88.0	70-130	2.88	30	J
Toluene	8.29	1.0	µg/L	10.0	ND	82.9	70-130	2.50	30	
1,2,3-Trichlorobenzene	6.49	5.0	µg/L	10.0	ND	64.9 *	70-130	6.20	30	MS-07A
1,2,4-Trichlorobenzene	7.18	1.0	µg/L	10.0	ND	71.8	70-130	12.4	30	
1,3,5-Trichlorobenzene	8.40	1.0	µg/L	10.0	ND	84.0	70-130	1.54	30	
1,1,1-Trichloroethane	9.27	1.0	µg/L	10.0	ND	92.7	70-130	2.07	30	
1,1,2-Trichloroethane	8.26	1.0	µg/L	10.0	ND	82.6	70-130	2.20	30	
Trichloroethylene	8.86	1.0	µg/L	10.0	ND	88.6	70-130	1.35	30	
Trichlorofluoromethane (Freon 11)	9.46	2.0	µg/L	10.0	ND	94.6	70-130	2.61	30	
1,2,3-Trichloropropane	8.79	2.0	µg/L	10.0	ND	87.9	70-130	1.95	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.26	1.0	µg/L	10.0	ND	92.6	70-130	5.97	30	
1,2,4-Trimethylbenzene	7.94	1.0	µg/L	10.0	ND	79.4	70-130	1.13	30	
1,3,5-Trimethylbenzene	7.70	1.0	µg/L	10.0	ND	77.0	70-130	2.31	30	
Vinyl Chloride	10.1	2.0	µg/L	10.0	ND	101	70-130	2.91	30	
m+p Xylene	16.4	2.0	µg/L	20.0	ND	82.0	70-130	0.244	20	
o-Xylene	8.04	1.0	µg/L	10.0	ND	80.4	70-130	0.749	30	
Surrogate: 1,2-Dichloroethane-d4	28.3		µg/L	25.0		113	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.3		µg/L	25.0		97.2	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 B335103 - SW-846 5030B
Blank (B335103-BLK1)

Prepared & Analyzed: 03/24/23

Acetone	ND	50	µg/L
Acrylonitrile	ND	5.0	µg/L
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L
Benzene	ND	1.0	µg/L
Bromobenzene	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
2-Chlorotoluene	ND	1.0	µg/L
4-Chlorotoluene	ND	1.0	µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	0.50	µg/L
Dibromomethane	ND	1.0	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
trans-1,4-Dichloro-2-butene	ND	2.0	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
1,3-Dichloropropane	ND	0.50	µg/L
2,2-Dichloropropane	ND	1.0	µg/L
1,1-Dichloropropene	ND	2.0	µg/L
cis-1,3-Dichloropropene	ND	0.50	µg/L
trans-1,3-Dichloropropene	ND	0.50	µg/L
Diethyl Ether	ND	2.0	µg/L
Diisopropyl Ether (DIPE)	ND	0.50	µg/L
1,4-Dioxane	ND	50	µg/L
Ethylbenzene	ND	1.0	µg/L
Hexachlorobutadiene	ND	0.60	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

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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 B335103 - SW-846 5030B
Blank (B335103-BLK1)

Prepared & Analyzed: 03/24/23

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							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	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							
1,3,5-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							
Surrogate: 1,2-Dichloroethane-d4	26.8		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		µg/L	25.0		101	70-130			

LCS (B335103-BS1)

Prepared & Analyzed: 03/24/23

Acetone	125	50	µg/L	100		125	70-160			†
Acrylonitrile	11.8	5.0	µg/L	10.0		118	70-130			
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130			
Benzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromobenzene	10.9	1.0	µg/L	10.0		109	70-130			
Bromochloromethane	12.5	1.0	µg/L	10.0		125	70-130			
Bromodichloromethane	11.1	0.50	µg/L	10.0		111	70-130			
Bromoform	10.6	1.0	µg/L	10.0		106	70-130			
Bromomethane	11.2	2.0	µg/L	10.0		112	40-160			†
2-Butanone (MEK)	121	20	µg/L	100		121	40-160			†
tert-Butyl Alcohol (TBA)	123	20	µg/L	100		123	40-160			†
n-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
tert-Butyl Ethyl Ether (TBEE)	11.4	0.50	µg/L	10.0		114	70-130			
Carbon Disulfide	122	5.0	µg/L	100		122	70-130			
Carbon Tetrachloride	11.3	5.0	µg/L	10.0		113	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112	70-130			
Chloroethane	14.1	2.0	µg/L	10.0		141	* 70-130			
Chloroform	10.9	2.0	µg/L	10.0		109	70-130			

L-06, V-06

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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 B335103 - SW-846 5030B										
LCS (B335103-BS1)				Prepared & Analyzed: 03/24/23						
Chloromethane	11.1	2.0	µg/L	10.0		111	40-160			†
2-Chlorotoluene	9.99	1.0	µg/L	10.0		99.9	70-130			
4-Chlorotoluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.9	5.0	µg/L	10.0		109	70-130			
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112	70-130			
Dibromomethane	11.3	1.0	µg/L	10.0		113	70-130			
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
trans-1,4-Dichloro-2-butene	9.94	2.0	µg/L	10.0		99.4	70-130			
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160			†
1,1-Dichloroethane	11.4	1.0	µg/L	10.0		114	70-130			
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,1-Dichloroethylene	12.6	1.0	µg/L	10.0		126	70-130			
cis-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130			
trans-1,2-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130			
1,3-Dichloropropane	11.2	0.50	µg/L	10.0		112	70-130			
2,2-Dichloropropane	9.70	1.0	µg/L	10.0		97.0	40-130			†
1,1-Dichloropropene	11.2	2.0	µg/L	10.0		112	70-130			
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			
Diethyl Ether	12.6	2.0	µg/L	10.0		126	70-130			
Diisopropyl Ether (DIPE)	11.9	0.50	µg/L	10.0		119	70-130			
1,4-Dioxane	112	50	µg/L	100		112	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Hexachlorobutadiene	10.1	0.60	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	124	10	µg/L	100		124	70-160			†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105	70-130			
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104	70-130			
Methyl Acetate	12.6	1.0	µg/L	10.0		126	70-130			V-20
Methyl tert-Butyl Ether (MTBE)	11.2	1.0	µg/L	10.0		112	70-130			
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130			
Methylene Chloride	12.9	5.0	µg/L	10.0		129	70-130			
4-Methyl-2-pentanone (MIBK)	125	10	µg/L	100		125	70-160			†
Naphthalene	10.3	2.0	µg/L	10.0		103	40-130			†
n-Propylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
Styrene	10.5	1.0	µg/L	10.0		105	70-130			
1,1,1,2-Tetrachloroethane	10.9	1.0	µg/L	10.0		109	70-130			
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110	70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Tetrahydrofuran	12.0	10	µg/L	10.0		120	70-130			
Toluene	10.8	1.0	µg/L	10.0		108	70-130			
1,2,3-Trichlorobenzene	10.8	5.0	µg/L	10.0		108	70-130			
1,2,4-Trichlorobenzene	9.93	1.0	µg/L	10.0		99.3	70-130			
1,3,5-Trichlorobenzene	9.97	1.0	µg/L	10.0		99.7	70-130			
1,1,1-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130			
1,1,2-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	12.0	2.0	µg/L	10.0		120	70-130			
1,2,3-Trichloropropane	11.2	2.0	µg/L	10.0		112	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
Batch B335103 - SW-846 5030B										
LCS (B335103-BS1)										
Prepared & Analyzed: 03/24/23										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130			
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
Vinyl Chloride	16.0	2.0	µg/L	10.0		160	40-160			V-06 †
m+p Xylene	21.5	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.9	1.0	µg/L	10.0		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	26.4		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.8		µg/L	25.0		103	70-130			
LCS Dup (B335103-BSD1)										
Prepared & Analyzed: 03/24/23										
Acetone	117	50	µg/L	100		117	70-160	7.10	25	†
Acrylonitrile	11.0	5.0	µg/L	10.0		110	70-130	6.49	25	
tert-Amyl Methyl Ether (TAME)	10.1	0.50	µg/L	10.0		101	70-130	5.11	25	
Benzene	10.5	1.0	µg/L	10.0		105	70-130	2.72	25	
Bromobenzene	10.5	1.0	µg/L	10.0		105	70-130	4.30	25	
Bromochloromethane	12.3	1.0	µg/L	10.0		123	70-130	1.05	25	
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130	1.63	25	
Bromoform	10.5	1.0	µg/L	10.0		105	70-130	1.42	25	
Bromomethane	12.1	2.0	µg/L	10.0		121	40-160	7.38	25	†
2-Butanone (MEK)	112	20	µg/L	100		112	40-160	7.47	25	†
tert-Butyl Alcohol (TBA)	115	20	µg/L	100		115	40-160	6.17	25	†
n-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	3.59	25	
sec-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130	3.81	25	
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130	3.72	25	
tert-Butyl Ethyl Ether (TBEE)	10.9	0.50	µg/L	10.0		109	70-130	4.59	25	
Carbon Disulfide	123	5.0	µg/L	100		123	70-130	0.702	25	
Carbon Tetrachloride	11.6	5.0	µg/L	10.0		116	70-130	2.88	25	
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.33	25	
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130	3.91	25	
Chloroethane	14.2	2.0	µg/L	10.0		142	* 70-130	1.06	25	L-06, V-06
Chloroform	10.8	2.0	µg/L	10.0		108	70-130	0.826	25	
Chloromethane	10.8	2.0	µg/L	10.0		108	40-160	3.11	25	†
2-Chlorotoluene	9.40	1.0	µg/L	10.0		94.0	70-130	6.09	25	
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	4.52	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.78	5.0	µg/L	10.0		97.8	70-130	11.0	25	
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130	2.71	25	
Dibromomethane	10.8	1.0	µg/L	10.0		108	70-130	4.89	25	
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	3.51	25	
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.973	25	
1,4-Dichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130	2.50	25	
trans-1,4-Dichloro-2-butene	9.19	2.0	µg/L	10.0		91.9	70-130	7.84	25	
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160	2.31	25	†
1,1-Dichloroethane	11.4	1.0	µg/L	10.0		114	70-130	0.0878	25	
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.14	25	
1,1-Dichloroethylene	12.3	1.0	µg/L	10.0		123	70-130	2.41	25	
cis-1,2-Dichloroethylene	11.5	1.0	µg/L	10.0		115	70-130	1.21	25	
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	0.542	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	1.41	25	
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130	6.36	25	
2,2-Dichloropropane	9.82	1.0	µg/L	10.0		98.2	40-130	1.23	25	†
1,1-Dichloropropene	11.1	2.0	µg/L	10.0		111	70-130	0.990	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
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Batch B335103 - SW-846 5030B
LCS Dup (B335103-BSI1)

Prepared & Analyzed: 03/24/23

cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	2.33	25	
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130	3.35	25	
Diethyl Ether	12.2	2.0	µg/L	10.0		122	70-130	3.22	25	
Diisopropyl Ether (DIPE)	11.6	0.50	µg/L	10.0		116	70-130	2.30	25	
1,4-Dioxane	108	50	µg/L	100		108	40-130	3.40	50	† ‡
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	2.28	25	
Hexachlorobutadiene	10.1	0.60	µg/L	10.0		101	70-130	0.396	25	
2-Hexanone (MBK)	114	10	µg/L	100		114	70-160	8.55	25	†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130	3.18	25	
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130	2.43	25	
Methyl Acetate	12.9	1.0	µg/L	10.0		129	70-130	2.67	25	V-20
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130	6.17	25	
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130	4.37	25	
Methylene Chloride	13.1	5.0	µg/L	10.0		131	* 70-130	1.46	25	L-07
4-Methyl-2-pentanone (MIBK)	115	10	µg/L	100		115	70-160	7.82	25	†
Naphthalene	9.28	2.0	µg/L	10.0		92.8	40-130	10.5	25	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130	5.16	25	
Styrene	10.4	1.0	µg/L	10.0		104	70-130	0.862	25	
1,1,1,2-Tetrachloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.50	25	
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105	70-130	4.38	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	0.967	25	
Tetrahydrofuran	11.6	10	µg/L	10.0		116	70-130	3.48	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	1.59	25	
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0		100	70-130	7.41	25	
1,2,4-Trichlorobenzene	9.45	1.0	µg/L	10.0		94.5	70-130	4.95	25	
1,3,5-Trichlorobenzene	9.97	1.0	µg/L	10.0		99.7	70-130	0.00	25	
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130	0.0889	25	
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	3.56	25	
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	2.82	25	
Trichlorofluoromethane (Freon 11)	12.2	2.0	µg/L	10.0		122	70-130	1.33	25	
1,2,3-Trichloropropane	10.4	2.0	µg/L	10.0		104	70-130	7.52	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5	1.0	µg/L	10.0		115	70-130	4.00	25	
1,2,4-Trimethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	4.28	25	
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	5.07	25	
Vinyl Chloride	15.5	2.0	µg/L	10.0		155	40-160	3.43	25	V-06 †
m+p Xylene	20.7	2.0	µg/L	20.0		103	70-130	3.94	25	
o-Xylene	10.7	1.0	µg/L	10.0		107	70-130	1.30	25	
Surrogate: 1,2-Dichloroethane-d4	26.7		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	26.1		µg/L	25.0		104	70-130			

Matrix Spike (B335103-MS1)
Source: 23C2429-01

Prepared: 03/24/23 Analyzed: 03/25/23

Acetone	102	50	µg/L	100	3.69	98.2	70-130			
Acrylonitrile	10.1	5.0	µg/L	10.0	ND	101	70-130			
tert-Amyl Methyl Ether (TAME)	8.71	0.50	µg/L	10.0	ND	87.1	70-130			
Benzene	9.42	1.0	µg/L	10.0	ND	94.2	70-130			
Bromobenzene	9.21	1.0	µg/L	10.0	ND	92.1	70-130			
Bromochloromethane	11.1	1.0	µg/L	10.0	ND	111	70-130			
Bromodichloromethane	9.50	0.50	µg/L	10.0	ND	95.0	70-130			
Bromoform	9.01	1.0	µg/L	10.0	ND	90.1	70-130			
Bromomethane	10.0	2.0	µg/L	10.0	ND	100	70-130			
2-Butanone (MEK)	93.1	20	µg/L	100	ND	93.1	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
Batch B335103 - SW-846 5030B										
Matrix Spike (B335103-MS1)	Source: 23C2429-01			Prepared: 03/24/23 Analyzed: 03/25/23						
tert-Butyl Alcohol (TBA)	98.6	20	µg/L	100	ND	98.6	70-130			
n-Butylbenzene	8.97	1.0	µg/L	10.0	ND	89.7	70-130			
sec-Butylbenzene	9.12	1.0	µg/L	10.0	ND	91.2	70-130			
tert-Butylbenzene	9.04	1.0	µg/L	10.0	ND	90.4	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.70	0.50	µg/L	10.0	ND	97.0	70-130			
Carbon Disulfide	113	5.0	µg/L	100	ND	113	70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.0	ND	106	70-130			
Chlorobenzene	9.47	1.0	µg/L	10.0	ND	94.7	70-130			
Chlorodibromomethane	9.52	0.50	µg/L	10.0	ND	95.2	70-130			
Chloroethane	13.0	2.0	µg/L	10.0	ND	130	70-130			L-06, V-06
Chloroform	9.53	2.0	µg/L	10.0	ND	95.3	70-130			
Chloromethane	7.15	2.0	µg/L	10.0	ND	71.5	70-130			
2-Chlorotoluene	8.56	1.0	µg/L	10.0	ND	85.6	70-130			
4-Chlorotoluene	9.14	1.0	µg/L	10.0	ND	91.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.08	5.0	µg/L	10.0	ND	80.8	70-130			
1,2-Dibromoethane (EDB)	9.34	0.50	µg/L	10.0	ND	93.4	70-130			
Dibromomethane	9.67	1.0	µg/L	10.0	ND	96.7	70-130			
1,2-Dichlorobenzene	8.77	1.0	µg/L	10.0	ND	87.7	70-130			
1,3-Dichlorobenzene	8.79	1.0	µg/L	10.0	ND	87.9	70-130			
1,4-Dichlorobenzene	8.63	1.0	µg/L	10.0	ND	86.3	70-130			
trans-1,4-Dichloro-2-butene	6.95	2.0	µg/L	10.0	ND	69.5 *	70-130			MS-24
Dichlorodifluoromethane (Freon 12)	10.3	2.0	µg/L	10.0	ND	103	70-130			
1,1-Dichloroethane	9.97	1.0	µg/L	10.0	ND	99.7	70-130			
1,2-Dichloroethane	8.87	1.0	µg/L	10.0	ND	88.7	70-130			
1,1-Dichloroethylene	11.6	1.0	µg/L	10.0	ND	116	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0	ND	100	70-130			
trans-1,2-Dichloroethylene	9.82	1.0	µg/L	10.0	ND	98.2	70-130			
1,2-Dichloropropane	9.20	1.0	µg/L	10.0	ND	92.0	70-130			
1,3-Dichloropropane	9.40	0.50	µg/L	10.0	ND	94.0	70-130			
2,2-Dichloropropane	6.29	1.0	µg/L	10.0	ND	62.9 *	70-130			MS-07A
1,1-Dichloropropene	9.92	2.0	µg/L	10.0	ND	99.2	70-130			
cis-1,3-Dichloropropene	8.78	0.50	µg/L	10.0	ND	87.8	70-130			
trans-1,3-Dichloropropene	8.41	0.50	µg/L	10.0	ND	84.1	70-130			
Diethyl Ether	10.7	2.0	µg/L	10.0	ND	107	70-130			
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0	ND	101	70-130			
1,4-Dioxane	82.1	50	µg/L	100	ND	82.1	70-130			
Ethylbenzene	9.36	1.0	µg/L	10.0	ND	93.6	70-130			
Hexachlorobutadiene	8.41	0.60	µg/L	10.0	ND	84.1	70-130			
2-Hexanone (MBK)	95.1	10	µg/L	100	ND	95.1	70-130			
Isopropylbenzene (Cumene)	9.18	1.0	µg/L	10.0	ND	91.8	70-130			
p-Isopropyltoluene (p-Cymene)	8.72	1.0	µg/L	10.0	ND	87.2	70-130			
Methyl Acetate	7.43	1.0	µg/L	10.0	ND	74.3	70-130			V-20
Methyl tert-Butyl Ether (MTBE)	9.27	1.0	µg/L	10.0	ND	92.7	70-130			
Methyl Cyclohexane	9.17	1.0	µg/L	10.0	ND	91.7	70-130			
Methylene Chloride	11.3	5.0	µg/L	10.0	ND	113	70-130			
4-Methyl-2-pentanone (MIBK)	97.4	10	µg/L	100	ND	97.4	70-130			
Naphthalene	7.60	2.0	µg/L	10.0	ND	76.0	70-130			
n-Propylbenzene	9.22	1.0	µg/L	10.0	ND	92.2	70-130			
Styrene	9.22	1.0	µg/L	10.0	ND	92.2	70-130			
1,1,1,2-Tetrachloroethane	9.41	1.0	µg/L	10.0	ND	94.1	70-130			
1,1,2,2-Tetrachloroethane	9.24	0.50	µg/L	10.0	ND	92.4	70-130			
Tetrachloroethylene	9.39	1.0	µg/L	10.0	ND	93.9	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
Batch B335103 - SW-846 5030B										
Matrix Spike (B335103-MS1)	Source: 23C2429-01			Prepared: 03/24/23 Analyzed: 03/25/23						
Tetrahydrofuran	10.1	10	µg/L	10.0	ND	101	70-130			
Toluene	9.48	1.0	µg/L	10.0	ND	94.8	70-130			
1,2,3-Trichlorobenzene	7.87	5.0	µg/L	10.0	ND	78.7	70-130			
1,2,4-Trichlorobenzene	7.95	1.0	µg/L	10.0	ND	79.5	70-130			
1,3,5-Trichlorobenzene	8.22	1.0	µg/L	10.0	ND	82.2	70-130			
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0	ND	102	70-130			
1,1,2-Trichloroethane	9.43	1.0	µg/L	10.0	ND	94.3	70-130			
Trichloroethylene	9.51	1.0	µg/L	10.0	ND	95.1	70-130			
Trichlorofluoromethane (Freon 11)	11.4	2.0	µg/L	10.0	ND	114	70-130			
1,2,3-Trichloropropane	8.90	2.0	µg/L	10.0	ND	89.0	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0	ND	104	70-130			
1,2,4-Trimethylbenzene	8.93	1.0	µg/L	10.0	ND	89.3	70-130			
1,3,5-Trimethylbenzene	9.30	1.0	µg/L	10.0	ND	93.0	70-130			
Vinyl Chloride	14.9	2.0	µg/L	10.0	ND	149 *	70-130			MS-15, V-06
m+p Xylene	18.9	2.0	µg/L	20.0	ND	94.6	70-130			
o-Xylene	9.48	1.0	µg/L	10.0	ND	94.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.7		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		103	70-130			
Matrix Spike Dup (B335103-MSD1)	Source: 23C2429-01			Prepared: 03/24/23 Analyzed: 03/25/23						
Acetone	110	50	µg/L	100	3.69	106	70-130	7.80	30	
Acrylonitrile	10.5	5.0	µg/L	10.0	ND	105	70-130	3.60	30	
tert-Amyl Methyl Ether (TAME)	9.40	0.50	µg/L	10.0	ND	94.0	70-130	7.62	30	
Benzene	9.97	1.0	µg/L	10.0	ND	99.7	70-130	5.67	30	
Bromobenzene	9.77	1.0	µg/L	10.0	ND	97.7	70-130	5.90	30	
Bromochloromethane	11.2	1.0	µg/L	10.0	ND	112	70-130	1.35	30	
Bromodichloromethane	10.3	0.50	µg/L	10.0	ND	103	70-130	8.08	30	
Bromoform	9.95	1.0	µg/L	10.0	ND	99.5	70-130	9.92	30	
Bromomethane	8.91	2.0	µg/L	10.0	ND	89.1	70-130	11.5	30	
2-Butanone (MEK)	103	20	µg/L	100	ND	103	70-130	9.78	30	
tert-Butyl Alcohol (TBA)	112	20	µg/L	100	ND	112	70-130	12.5	30	
n-Butylbenzene	9.36	1.0	µg/L	10.0	ND	93.6	70-130	4.26	30	
sec-Butylbenzene	9.73	1.0	µg/L	10.0	ND	97.3	70-130	6.47	30	
tert-Butylbenzene	9.64	1.0	µg/L	10.0	ND	96.4	70-130	6.42	30	
tert-Butyl Ethyl Ether (TBEE)	9.99	0.50	µg/L	10.0	ND	99.9	70-130	2.95	30	
Carbon Disulfide	118	5.0	µg/L	100	ND	118	70-130	3.94	30	
Carbon Tetrachloride	10.8	5.0	µg/L	10.0	ND	108	70-130	2.25	30	
Chlorobenzene	10.1	1.0	µg/L	10.0	ND	101	70-130	6.64	30	
Chlorodibromomethane	9.95	0.50	µg/L	10.0	ND	99.5	70-130	4.42	30	
Chloroethane	12.3	2.0	µg/L	10.0	ND	123	70-130	5.29	30	L-06, V-06
Chloroform	10.0	2.0	µg/L	10.0	ND	100	70-130	5.21	30	
Chloromethane	6.68	2.0	µg/L	10.0	ND	66.8 *	70-130	6.80	30	MS-24
2-Chlorotoluene	9.10	1.0	µg/L	10.0	ND	91.0	70-130	6.12	30	
4-Chlorotoluene	9.77	1.0	µg/L	10.0	ND	97.7	70-130	6.66	30	
1,2-Dibromo-3-chloropropane (DBCP)	9.58	5.0	µg/L	10.0	ND	95.8	70-130	17.0	30	
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0	ND	101	70-130	7.92	30	
Dibromomethane	9.63	1.0	µg/L	10.0	ND	96.3	70-130	0.415	30	
1,2-Dichlorobenzene	9.21	1.0	µg/L	10.0	ND	92.1	70-130	4.89	30	
1,3-Dichlorobenzene	9.27	1.0	µg/L	10.0	ND	92.7	70-130	5.32	30	
1,4-Dichlorobenzene	8.85	1.0	µg/L	10.0	ND	88.5	70-130	2.52	30	
trans-1,4-Dichloro-2-butene	7.40	2.0	µg/L	10.0	ND	74.0	70-130	6.27	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 B335103 - SW-846 5030B										
Matrix Spike Dup (B335103-MSD1)	Source: 23C2429-01			Prepared: 03/24/23 Analyzed: 03/25/23						
Dichlorodifluoromethane (Freon 12)	10.6	2.0	µg/L	10.0	ND	106	70-130	2.68	30	
1,1-Dichloroethane	10.4	1.0	µg/L	10.0	ND	104	70-130	4.22	30	
1,2-Dichloroethane	9.49	1.0	µg/L	10.0	ND	94.9	70-130	6.75	30	
1,1-Dichloroethylene	12.0	1.0	µg/L	10.0	ND	120	70-130	3.48	30	
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0	ND	104	70-130	4.40	30	
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0	ND	102	70-130	4.29	30	
1,2-Dichloropropane	9.86	1.0	µg/L	10.0	ND	98.6	70-130	6.93	30	
1,3-Dichloropropane	9.84	0.50	µg/L	10.0	ND	98.4	70-130	4.57	30	
2,2-Dichloropropane	6.66	1.0	µg/L	10.0	ND	66.6 *	70-130	5.71	30	MS-07A
1,1-Dichloropropene	10.4	2.0	µg/L	10.0	ND	104	70-130	5.11	30	
cis-1,3-Dichloropropene	9.23	0.50	µg/L	10.0	ND	92.3	70-130	5.00	30	
trans-1,3-Dichloropropene	8.88	0.50	µg/L	10.0	ND	88.8	70-130	5.44	30	
Diethyl Ether	11.0	2.0	µg/L	10.0	ND	110	70-130	2.86	30	
Diisopropyl Ether (DIPE)	10.7	0.50	µg/L	10.0	ND	107	70-130	5.47	30	
1,4-Dioxane	97.7	50	µg/L	100	ND	97.7	70-130	17.4	30	
Ethylbenzene	10.2	1.0	µg/L	10.0	ND	102	70-130	8.10	30	
Hexachlorobutadiene	9.17	0.60	µg/L	10.0	ND	91.7	70-130	8.65	30	
2-Hexanone (MBK)	109	10	µg/L	100	ND	109	70-130	13.5	30	
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0	ND	101	70-130	9.25	30	
p-Isopropyltoluene (p-Cymene)	9.33	1.0	µg/L	10.0	ND	93.3	70-130	6.76	30	
Methyl Acetate	7.81	1.0	µg/L	10.0	ND	78.1	70-130	4.99	30	V-20
Methyl tert-Butyl Ether (MTBE)	9.74	1.0	µg/L	10.0	ND	97.4	70-130	4.94	30	
Methyl Cyclohexane	9.89	1.0	µg/L	10.0	ND	98.9	70-130	7.56	30	
Methylene Chloride	11.5	5.0	µg/L	10.0	ND	115	70-130	1.76	30	
4-Methyl-2-pentanone (MIBK)	109	10	µg/L	100	ND	109	70-130	11.2	30	
Naphthalene	9.02	2.0	µg/L	10.0	ND	90.2	70-130	17.1	30	
n-Propylbenzene	9.91	1.0	µg/L	10.0	ND	99.1	70-130	7.21	30	
Styrene	9.89	1.0	µg/L	10.0	ND	98.9	70-130	7.01	30	
1,1,1,2-Tetrachloroethane	10.1	1.0	µg/L	10.0	ND	101	70-130	7.37	30	
1,1,2,2-Tetrachloroethane	9.99	0.50	µg/L	10.0	ND	99.9	70-130	7.80	30	
Tetrachloroethylene	9.96	1.0	µg/L	10.0	ND	99.6	70-130	5.89	30	
Tetrahydrofuran	11.1	10	µg/L	10.0	ND	111	70-130	9.81	30	
Toluene	10.1	1.0	µg/L	10.0	ND	101	70-130	6.13	30	
1,2,3-Trichlorobenzene	9.28	5.0	µg/L	10.0	ND	92.8	70-130	16.4	30	
1,2,4-Trichlorobenzene	8.68	1.0	µg/L	10.0	ND	86.8	70-130	8.78	30	
1,3,5-Trichlorobenzene	8.74	1.0	µg/L	10.0	ND	87.4	70-130	6.13	30	
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0	ND	108	70-130	5.81	30	
1,1,2-Trichloroethane	9.82	1.0	µg/L	10.0	ND	98.2	70-130	4.05	30	
Trichloroethylene	10.4	1.0	µg/L	10.0	ND	104	70-130	8.65	30	
Trichlorofluoromethane (Freon 11)	11.7	2.0	µg/L	10.0	ND	117	70-130	3.03	30	
1,2,3-Trichloropropane	9.78	2.0	µg/L	10.0	ND	97.8	70-130	9.42	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0	ND	110	70-130	5.82	30	
1,2,4-Trimethylbenzene	9.42	1.0	µg/L	10.0	ND	94.2	70-130	5.34	30	
1,3,5-Trimethylbenzene	10.0	1.0	µg/L	10.0	ND	100	70-130	7.25	30	
Vinyl Chloride	15.2	2.0	µg/L	10.0	ND	152 *	70-130	2.06	30	MS-15, V-06
m+p Xylene	20.2	2.0	µg/L	20.0	ND	101	70-130	6.29	20	
o-Xylene	10.1	1.0	µg/L	10.0	ND	101	70-130	6.13	30	
Surrogate: 1,2-Dichloroethane-d4	25.5		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	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).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-06	Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-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-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high 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.

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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
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,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
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,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
trans-1,4-Dichloro-2-butene	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
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	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
1,3,5-Trichlorobenzene	ME
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

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	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

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

Company Name: **Aracdis**

Address: **One Lincoln Center 110 U. Fayette St**

Phone: **315-992-0568**

Project Name: **Jacks Dry Cleaners**

Project Location: **Brewerton NY**

Project Number: **30135043**

Project Manager: **Stefan Bagnato**

Pace Analytical Quote Name/Number: **Order # 2302403**

Invoice Recipient: **Bill NYS DEC**

Sampled By: **Don Pleandro**

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page **2** of **4**

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date: _____

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Data Delivery
Format: PDF ☐ EXCEL ☐
Other: _____

CLP Like Data Pkg Required: ☐
Email To: **Stefan.Bagnato@pacelabs.com**
Fax To #: _____

Pace Analytical Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	MW-14	3-21-23	1225		X	GW	
12	MW-14BR	3-21-23	1235		X	GW	
13	IW-24	3-21-23	1245		X	GW	
14	MW-10	3-21-23	1255		X	GW	
15	MW-10BR	3-21-23	1305		X	GW	
16	IW-19	3-21-23	1310		X	GW	
17	IW-14	3-21-23	1325		X	GW	
18	IW-17	3-21-23	1335		X	GW	
19	IW-2	3-21-23	1345		X	GW	
20	IW-1	3-21-23	1400		X	GW	

Comments: **- ASP Cat B Deliverables**
- Aracdis EQUIS 4-File EDD's
Contract #: C100701
ID: 1485616

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: **3-21-23 1600**

Received by: (signature) **[Signature]** Date/Time: **3-22-23 9:13**

Relinquished by: (signature) _____ Date/Time: _____

Received by: (signature) _____ Date/Time: _____

Relinquished by: (signature) _____ Date/Time: _____

Received by: (signature) _____ Date/Time: _____

Relinquished by: (signature) _____ Date/Time: _____

Received by: (signature) _____ Date/Time: _____

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

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQUIS EDD
☐ EQUIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School ☐ MBTA
☐ City ☐ Brownfield

Other: **NETAC and AHA-LAP, LLC Accredited**

Other: ☐ Chromatogram ☐ AHA-LAP, LLC



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

Company Name: Arcadis

Address: One Lincoln Center 110 U. Fayette St.

Phone: 315-442-0868

Project Name: Jacks Dry Cleaners

Project Location: Brewerton NY

Project Number: 30135043

Project Manager: Stefan Bagnato

Pace Analytical Quote Name/Number: 2302103

Invoice Recipient: Bill NYS DEC

Sampled By: Daniel Vleandro

Pace Analytical Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
31	MU-17BR	3-21-23	1545		X	GW	
32	TRIP BLANK	-	-		-	DI	
33	DUP-032123-01	3-21-23	-		X	GW	
34	DUP-032123-02	3-21-23	-		X	GW	

Comments: - ASP Cat B Deliverables
- Arcadis EQUIS 4-File EDDs
Contact #: C100701
ID: 145616

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) Received by: (signature) Relinquished by: (signature) Received by: (signature) Relinquished by: (signature) Received by: (signature)	Date/Time: 3-21-23 1600 3-22-23 9:36 Date/Time: Date/Time: Date/Time: Date/Time:	Program B Regulatory Information ☐ AWQ STDS ☐ NYC Sewer Discharge ☐ Part 360 GW (Landfill) ☐ NY Restricted Use ☐ NY Unrestricted Use ☐ NY Part 375 Other: ☐ NY TOGS ☐ NY CP-51	Deliverables ☐ Enhanced Data Package ☒ NYSDEC EQUIS EDD ☐ EQUIS (Standard) EDD ☐ NY Regulatory EDD ☐ NY Regs Hits-Only EDD Other: ☐ NELAC and AIHA-LAP, LLC Accredited	Project Entity ☒ Government ☐ Federal ☐ City Other: ☐ WRTA ☐ MWRA ☐ School ☐ MBTA	Other ☐ Chromatogram ☐ AIHA-LAP, LLC
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3/22/2023 at 9:39 AM

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ENV-FRM-ELON-0009V02 Sample Receiving Checklist 1-12-

Table of Contents

Log In Back-Sheet

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



Client AFUDIS
Project JOCUS Dry Cleaners
MCP/RCP Required N/A
Deliverable Package Req. N/A
Location Brewerston, NY
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☐ Fed Ex ☒ Walk In ☐ Other ☐
Received By / Date / Time LA 3/22/23 939
Back-Sheet By / Date / Time LA 3/22/23 1149
Temperature Method gun # 5
Temp ☒ < 6° C Actual Temperature 2.8
Rush Samples: Yes / No ☒ Notify
Short Hold: Yes / No ☒ Notify

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☒	☐
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☒ (LA)
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> ☐ ☐		

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	Na2S2O3	Other Preservative
1L Amber Plastic								
500 mL Amber Plastic								
250 mL Amber Plastic								
Other Amber Clear Plastic								
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								
Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	<u>N/A</u>	<u>74</u>						

APPENDIX B

Data Usability Summary Report

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

Client: Arcadis, Clifton Park, New York
SDG: 23C2429
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: Jacks Dry Cleaners, Brewerton, New York
Date: April 20, 2023

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-05	22C2429-01	Water
1MS	MW-05MS	22C2429-01MS	Water
1MSD	MW-05MSD	22C2429-01MSD	Water
2	IW-31	22C2429-02	Water
3	MW-08	22C2429-03	Water
4	MW-01R	22C2429-04	Water
5	MW-02	22C2429-05	Water
6	MW-13	22C2429-06	Water
7	MW-09	22C2429-07	Water
8	IW-29	22C2429-08	Water
9	IW-25	22C2429-09	Water
10	MW-07	22C2429-10	Water
11	MW-14	22C2429-11	Water
12	MW-14BR	22C2429-12	Water
13	IW-24	22C2429-13	Water
14	MW-10	22C2429-14	Water
15	MW-10BR	22C2429-15	Water
16	IW-19	22C2429-16	Water
17	IW-14	22C2429-17	Water
18	IW-17	22C2429-18	Water
19	IW-2	22C2429-19	Water
20	IW-1	22C2429-20	Water
21	IW-3	22C2429-21	Water
22	MW-15	22C2429-22	Water
23	MW-15BR	22C2429-23	Water
24	MW-16	22C2429-24	Water
25	MW-16BR	22C2429-25	Water
26	MW-11	22C2429-26	Water
27	MW-12	22C2429-27	Water
28	IW-11	22C2429-28	Water
29	IW-7	22C2429-29	Water
30	MW-17	22C2429-30	Water
30MS	MW-17MS	22C2429-30MS	Water
30MSD	MW-17MSD	22C2429-30MSD	Water
31	MW-17BR	22C2429-31	Water
32	TRIP BLANK	22C2429-32	Water
33	DUP-032123-01	22C2429-33	Water
34	DUP-032123-02	22C2429-34	Water

A Data Usability Summary Review was performed on the analytical data for thirty-three water samples and one aqueous trip blank sample collected on March 21, 2023 by Arcadis at the Jacks Dry Cleaners site in Brewerton, New York. The samples were analyzed under Environmental Protection Agency (USEPA) Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions, and the Method for the Determination of Dissolved Gases in Water.

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
03/24/23 (2130)	Vinyl Chloride	38.9%	J/UJ	1-13
03/24/23 (1003)	Bromomethane	35.6%	UJ	14-32
	trans-1,4-Dichloro-2-butene	32.5%	UJ	
03/24/23 (2314)	Bromochloromethane	20.2%	UJ	33, 34
	Bromomethane	41.2%	UJ	
	trans-1,4-Dichloro-2-butene	31.4%	UJ	
	Diisopropyl Ether	22.4%	UJ	
	Naphthalene	29.1%	UJ	

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of methylene chloride, 2-butanone, toluene or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TRIP BLANK	Acetone	2.9	U	1-6, 8, 11-13, 21, 24

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	Chloromethane	OK/66.8%/OK	UJ
	trans-1,4-Dichloro-2-butene	69.5%/OK/OK	UJ
	2,2-Dichloropropane	62.9%/66.6%/OK	UJ
	Vinyl Chloride	149%/152%/OK	None - Sample ND
30	tert-Amyl Methyl Ether	67.0%/OK/OK	UJ
	Bromoform	64.8%/66.4%/OK	UJ
	Bromomethane	136%/137%/OK	None - Sample ND
	tert-Butyl Alcohol	64.3%/OK/OK	UJ
	1,2-Dibromo-3-chloropropane	67.4%/67.5%/OK	UJ
	trans-1,4-Dichloro-2-butene	48.9%/53.6%/OK	None - See CCAL
	2,2-Dichloropropane	69.8%/69.4%/OK	UJ
	1,4-Dioxane	68.8%/OK/OK	UJ
	2-Hexanone	69.6%/OK/OK	UJ
	Naphthalene	40.6%/52.9%/OK	UJ
	1,2,3-Trichlorobenzene	61.0%/64.9%/OK	UJ
	1,2,4-Trichlorobenzene	63.4%/OK/OK	UJ

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the 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). Results are valid and usable, however possibly biased.

Sample ID	Compound	%R	Qualifier	Affected Samples
B335103-BS1	Chloroethane	141%	J	8
B335101-BS1	Methyl Acetate	135%	None	Associated Samples ND
B335100-BS1	trans-1,4-Dichloro-2-butene	58.3%	None	See CCAL

Internal Standard (IS) Area Performance

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

Compound Quantitation

- EDS Samples 6 and 7 were analyzed at a dilution due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Field Duplicate Sample Precision

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

Compound	MW-05 ug/L	DUP-032123-01 ug/L	RPD	Qualifier
Tetrachloroethylene	1.0U	0.67	NC	None

Compound	MW-17 ug/L	DUP-032123-02 ug/L	RPD	Qualifier
Tetrachloroethylene	1.0U	0.40	NC	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:

4/19/23

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

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MW-05

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-01
		File ID:	E23V08334.D
Sampled:	03/21/23 09:55	Prepared:	03/24/23 07:26
		Analyzed:	03/24/23 23:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	3.7	2.0	50	u x
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	u j
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

NW 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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MW-05

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-01
		File ID:	E23V08334.D
Sampled:	03/21/23 09:55	Prepared:	03/24/23 07:26
		Analyzed:	03/24/23 23:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	uJ
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	uJ MS-07A
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

MW 41 20123

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MW-05

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-01
		File ID:	E23V08334.D
Sampled:	03/21/23 09:55	Prepared:	03/24/23 07:26
		Analyzed:	03/24/23 23:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	u1
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

mw 4120123

1 - FORM I ANALYSIS DATA SHEET

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IW-31

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-02
		File ID:	E23V08335.D
Sampled:	03/21/23 10:20	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 00:14
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	4.0	2.0	50	u
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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1 - FORM I ANALYSIS DATA SHEET

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IW-31

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-02
		File ID:	E23V08335.D
Sampled:	03/21/23 10:20	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 00:14
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.97	0.14	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

mw 412023

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123

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IW-31

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-02
		File ID:	E23V08335.D
Sampled:	03/21/23 10:20	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 00:14
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride	1.2	0.24	2.0	1 V-06, J
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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MW-08

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-03
		File ID:	E23V08336.D
Sampled:	03/21/23 10:40	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 00:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	3.6	2.0	50	u x
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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MW-08

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-03
		File ID:	E23V08336.D
Sampled:	03/21/23 10:40	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 00:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

ANALYST: 20123

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MW-08

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-03
		File ID:	E23V08336.D
Sampled:	03/21/23 10:40	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 00:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	uJ
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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MW-01R

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-04
		File ID:	E23V08343.D
Sampled:	03/21/23 11:00	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 03:53
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	4.4	2.0	50	u
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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MW-01R

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-04 File ID: E23V08343.D
 Sampled: 03/21/23 11:00 Prepared: 03/24/23 07:26 Analyzed: 03/25/23 03:53
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B335103 Sequence: S085053 Calibration: 2300183 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane	0.40	0.14	1.0	J
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene	0.33	0.14	1.0	J
156-59-2	cis-1,2-Dichloroethylene	160	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene	1.7	0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-01R

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-04
		File ID:	E23V08343.D
Sampled:	03/21/23 11:00	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 03:53
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene	0.96	0.17	1.0	J
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	4.8	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride	68	0.24	2.0	J V-06
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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MW-02

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-05
		File ID:	E23V08337.D
Sampled:	03/21/23 11:15	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 01:08
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	4.1	2.0	50	u J
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane	0.30	0.16	0.50	J
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform	0.59	0.14	2.0	J
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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MW-02

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-05
		File ID:	E23V08337.D
Sampled:	03/21/23 11:15	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 01:08
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.66	0.14	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-02

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-05
		File ID:	E23V08337.D
Sampled:	03/21/23 11:15	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 01:08
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene	11	0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.90	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	u J
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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MW-13

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-06
		File ID:	E23V08346.D
Sampled:	03/21/23 11:25	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 05:16
Solids:		Preparation:	SW-846 5030B
		Dilution:	10
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	43	20	500	u ✓
107-13-1	Acrylonitrile		4.7	50	
994-05-8	tert-Amyl Methyl Ether (TAME)		1.3	5.0	
71-43-2	Benzene		1.8	10	
108-86-1	Bromobenzene		1.5	10	
74-97-5	Bromochloromethane		2.8	10	
75-27-4	Bromodichloromethane		1.6	5.0	
75-25-2	Bromoform		4.1	10	
74-83-9	Bromomethane		13	20	
78-93-3	2-Butanone (MEK)		17	200	
75-65-0	tert-Butyl Alcohol (TBA)		43	200	
104-51-8	n-Butylbenzene		1.5	10	
135-98-8	sec-Butylbenzene		1.3	10	
98-06-6	tert-Butylbenzene		1.4	10	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		1.5	5.0	
75-15-0	Carbon Disulfide		16	50	
56-23-5	Carbon Tetrachloride		1.6	50	
108-90-7	Chlorobenzene		1.2	10	
124-48-1	Chlorodibromomethane		2.0	5.0	
75-00-3	Chloroethane		3.4	20	
67-66-3	Chloroform		1.4	20	
74-87-3	Chloromethane		5.0	20	
95-49-8	2-Chlorotoluene		1.5	10	
106-43-4	4-Chlorotoluene		1.5	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		8.5	50	
106-93-4	1,2-Dibromoethane (EDB)		1.6	5.0	
74-95-3	Dibromomethane		3.2	10	
95-50-1	1,2-Dichlorobenzene		1.3	10	
541-73-1	1,3-Dichlorobenzene		1.4	10	
106-46-7	1,4-Dichlorobenzene		1.3	10	

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MW-13

Laboratory: Pace New England Work Order: 23C2429
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
Matrix: Ground Water Laboratory ID: 23C2429-06 File ID: E23V08346.D
Sampled: 03/21/23 11:25 Prepared: 03/24/23 07:26 Analyzed: 03/25/23 05:16
Solids: Preparation: SW-846 5030B Dilution: 10
Initial/Final: 5 mL / 5 mL
Batch: B335103 Sequence: S085053 Calibration: 2300183 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		15	20	
75-71-8	Dichlorodifluoromethane (Freon 12)		1.6	20	
75-34-3	1,1-Dichloroethane		1.4	10	
107-06-2	1,2-Dichloroethane		3.0	10	
75-35-4	1,1-Dichloroethylene	2.2	1.4	10	J
156-59-2	cis-1,2-Dichloroethylene	600	1.4	10	
156-60-5	trans-1,2-Dichloroethylene	7.8	1.7	10	J
78-87-5	1,2-Dichloropropane		1.9	10	
142-28-9	1,3-Dichloropropane		1.2	5.0	
594-20-7	2,2-Dichloropropane		3.5	10	
563-58-6	1,1-Dichloropropene		1.5	20	
10061-01-5	cis-1,3-Dichloropropene		1.6	5.0	
10061-02-6	trans-1,3-Dichloropropene		1.4	5.0	
60-29-7	Diethyl Ether		1.4	20	
108-20-3	Diisopropyl Ether (DIPE)		2.0	5.0	
123-91-1	1,4-Dioxane		180	500	
100-41-4	Ethylbenzene		2.2	10	
87-68-3	Hexachlorobutadiene		4.7	6.0	
591-78-6	2-Hexanone (MBK)		12	100	
98-82-8	Isopropylbenzene (Cumene)		1.5	10	
99-87-6	p-Isopropyltoluene (p-Cymene)		1.3	10	
79-20-9	Methyl Acetate		6.1	10	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		1.7	10	
108-87-2	Methyl Cyclohexane		1.6	10	
75-09-2	Methylene Chloride		1.8	50	
108-10-1	4-Methyl-2-pentanone (MIBK)		13	100	
91-20-3	Naphthalene		3.8	20	
103-65-1	n-Propylbenzene		1.2	10	
100-42-5	Styrene		1.5	10	
630-20-6	1,1,1,2-Tetrachloroethane		1.6	10	

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MW-13

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-06 File ID: E23V08346.D
 Sampled: 03/21/23 11:25 Prepared: 03/24/23 07:26 Analyzed: 03/25/23 05:16
 Solids: Preparation: SW-846 5030B Dilution: 10
 Initial/Final: 5 mL / 5 mL
 Batch: B335103 Sequence: S085053 Calibration: 2300183 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		1.4	5.0	
127-18-4	Tetrachloroethylene	800	1.7	10	
109-99-9	Tetrahydrofuran		4.9	100	
108-88-3	Toluene		2.2	10	
87-61-6	1,2,3-Trichlorobenzene		3.4	50	
120-82-1	1,2,4-Trichlorobenzene		3.0	10	
108-70-3	1,3,5-Trichlorobenzene		2.1	10	
71-55-6	1,1,1-Trichloroethane		1.5	10	
79-00-5	1,1,2-Trichloroethane		1.9	10	
79-01-6	Trichloroethylene	310	1.7	10	
75-69-4	Trichlorofluoromethane (Freon 11)		1.5	20	
96-18-4	1,2,3-Trichloropropane		2.8	20	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		2.1	10	
95-63-6	1,2,4-Trimethylbenzene		2.0	10	
108-67-8	1,3,5-Trimethylbenzene		1.5	10	
75-01-4	Vinyl Chloride	77	2.4	20	J V-06
108383/106423	m+p Xylene		4.9	20	
95-47-6	o-Xylene		2.4	10	

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MW-09

Laboratory: Pace New England Work Order: 23C2429
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
Matrix: Ground Water Laboratory ID: 23C2429-07 File ID: E23V08345.D
Sampled: 03/21/23 11:35 Prepared: 03/24/23 07:26 Analyzed: 03/25/23 04:47
Solids: Preparation: SW-846 5030B Dilution: 2
Initial/Final: 5 mL / 5 mL
Batch: B335103 Sequence: S085053 Calibration: 2300183 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.0	100	
107-13-1	Acrylonitrile		0.93	10	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.26	1.0	
71-43-2	Benzene		0.37	2.0	
108-86-1	Bromobenzene		0.30	2.0	
74-97-5	Bromochloromethane		0.57	2.0	
75-27-4	Bromodichloromethane		0.32	1.0	
75-25-2	Bromoform		0.82	2.0	
74-83-9	Bromomethane		2.6	4.0	
78-93-3	2-Butanone (MEK)		3.4	40	
75-65-0	tert-Butyl Alcohol (TBA)		8.5	40	
104-51-8	n-Butylbenzene		0.30	2.0	
135-98-8	sec-Butylbenzene		0.25	2.0	
98-06-6	tert-Butylbenzene		0.28	2.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.31	1.0	
75-15-0	Carbon Disulfide		3.1	10	
56-23-5	Carbon Tetrachloride		0.33	10	
108-90-7	Chlorobenzene		0.24	2.0	
124-48-1	Chlorodibromomethane		0.40	1.0	
75-00-3	Chloroethane		0.68	4.0	
67-66-3	Chloroform		0.28	4.0	
74-87-3	Chloromethane		1.0	4.0	
95-49-8	2-Chlorotoluene		0.31	2.0	
106-43-4	4-Chlorotoluene		0.31	2.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		1.7	10	
106-93-4	1,2-Dibromoethane (EDB)		0.32	1.0	
74-95-3	Dibromomethane		0.64	2.0	
95-50-1	1,2-Dichlorobenzene		0.26	2.0	
541-73-1	1,3-Dichlorobenzene		0.27	2.0	
106-46-7	1,4-Dichlorobenzene		0.26	2.0	

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MW-09

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-07 File ID: E23V08345.D
 Sampled: 03/21/23 11:35 Prepared: 03/24/23 07:26 Analyzed: 03/25/23 04:47
 Solids: Preparation: SW-846 5030B Dilution: 2
 Initial/Final: 5 mL / 5 mL
 Batch: B335103 Sequence: S085053 Calibration: 2300183 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		3.0	4.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.32	4.0	
75-34-3	1,1-Dichloroethane		0.27	2.0	
107-06-2	1,2-Dichloroethane		0.61	2.0	
75-35-4	1,1-Dichloroethylene	1.0	0.28	2.0	J
156-59-2	cis-1,2-Dichloroethylene	250	0.28	2.0	
156-60-5	trans-1,2-Dichloroethylene	3.2	0.34	2.0	
78-87-5	1,2-Dichloropropane		0.39	2.0	
142-28-9	1,3-Dichloropropane		0.23	1.0	
594-20-7	2,2-Dichloropropane		0.70	2.0	
563-58-6	1,1-Dichloropropene		0.30	4.0	
10061-01-5	cis-1,3-Dichloropropene		0.33	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.28	1.0	
60-29-7	Diethyl Ether		0.29	4.0	
108-20-3	Diisopropyl Ether (DIPE)		0.40	1.0	
123-91-1	1,4-Dioxane		36	100	
100-41-4	Ethylbenzene		0.44	2.0	
87-68-3	Hexachlorobutadiene		0.94	1.2	
591-78-6	2-Hexanone (MBK)		2.4	20	
98-82-8	Isopropylbenzene (Cumene)		0.30	2.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.25	2.0	
79-20-9	Methyl Acetate		1.2	2.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.34	2.0	
108-87-2	Methyl Cyclohexane		0.31	2.0	
75-09-2	Methylene Chloride		0.35	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.6	20	
91-20-3	Naphthalene		0.76	4.0	
103-65-1	n-Propylbenzene		0.25	2.0	
100-42-5	Styrene		0.30	2.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.32	2.0	

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MW-09

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-07
		File ID:	E23V08345.D
Sampled:	03/21/23 11:35	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 04:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	2
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.27	1.0	
127-18-4	Tetrachloroethylene	74	0.34	2.0	
109-99-9	Tetrahydrofuran		0.98	20	
108-88-3	Toluene		0.45	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.68	10	
120-82-1	1,2,4-Trichlorobenzene		0.60	2.0	
108-70-3	1,3,5-Trichlorobenzene		0.42	2.0	
71-55-6	1,1,1-Trichloroethane		0.30	2.0	
79-00-5	1,1,2-Trichloroethane		0.38	2.0	
79-01-6	Trichloroethylene	140	0.35	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.31	4.0	
96-18-4	1,2,3-Trichloropropane		0.55	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.42	2.0	
95-63-6	1,2,4-Trimethylbenzene		0.40	2.0	
108-67-8	1,3,5-Trimethylbenzene		0.30	2.0	
75-01-4	Vinyl Chloride	51	0.47	4.0	J V-06
108383/106423	m+p Xylene		0.98	4.0	
95-47-6	o-Xylene		0.49	2.0	

03/21/23

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IW-29

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-08
		File ID:	E23V08338.D
Sampled:	03/21/23 11:45	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 01:36
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	4.0	2.0	50	u
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane	0.97	0.34	2.0	J L-06, V-06, J
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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IW-29

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-08
		File ID:	E23V08338.D
Sampled:	03/21/23 11:45	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 01:36
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.61	0.14	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

new 4/20/23

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IW-29

Laboratory: Pace New England Work Order: 23C2429
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
Matrix: Ground Water Laboratory ID: 23C2429-08 File ID: E23V08338.D
Sampled: 03/21/23 11:45 Prepared: 03/24/23 07:26 Analyzed: 03/25/23 01:36
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B335103 Sequence: S085053 Calibration: 2300183 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	uJ
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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IW-25

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-09
		File ID:	E23V08344.D
Sampled:	03/21/23 11:55	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 04:20
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene	2.6	0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene	0.36	0.14	1.0	J
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

NEW 4/20/23

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IW-25

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-09
		File ID:	E23V08344.D
Sampled:	03/21/23 11:55	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 04:20
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene	0.25	0.14	1.0	J
156-59-2	cis-1,2-Dichloroethylene	120	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene	1.5	0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)	0.24	0.15	1.0	J
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	0.59	0.16	1.0	J
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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IW-25

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-09
		File ID:	E23V08344.D
Sampled:	03/21/23 11:55	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 04:20
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene	0.77	0.22	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	1.8	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride	60	0.24	2.0	J V-06
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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MW-07

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-10
		File ID:	E23V08342.D
Sampled:	03/21/23 12:10	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 03:25
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene	0.19	0.18	1.0	J
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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MW-07

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-10
		File ID:	E23V08342.D
Sampled:	03/21/23 12:10	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 03:25
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	17	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

NW 412123

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MW-07

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-10
		File ID:	E23V08342.D
Sampled:	03/21/23 12:10	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 03:25
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.18	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride	100	0.24	2.0	J V-06
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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MW-14

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-11
		File ID:	E23V08339.D
Sampled:	03/21/23 12:25	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 02:04
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	4.4	2.0	50	u x
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide	2.3	1.6	5.0	J
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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MW-14

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-11
		File ID:	E23V08339.D
Sampled:	03/21/23 12:25	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 02:04
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.34	0.14	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-14

Laboratory: Pace New England Work Order: 23C2429
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
Matrix: Ground Water Laboratory ID: 23C2429-11 File ID: E23V08339.D
Sampled: 03/21/23 12:25 Prepared: 03/24/23 07:26 Analyzed: 03/25/23 02:04
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B335103 Sequence: S085053 Calibration: 2300183 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene	0.89	0.22	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	4J
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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MW-14BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-12
		File ID:	E23V08340.D
Sampled:	03/21/23 12:35	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 02:31
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	5.1	2.0	50	u
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene	0.24	0.18	1.0	J
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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MW-14BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-12
		File ID:	E23V08340.D
Sampled:	03/21/23 12:35	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 02:31
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.68	0.14	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-14BR

Laboratory: Pace New England Work Order: 23C2429
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
Matrix: Ground Water Laboratory ID: 23C2429-12 File ID: E23V08340.D
Sampled: 03/21/23 12:35 Prepared: 03/24/23 07:26 Analyzed: 03/25/23 02:31
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B335103 Sequence: S085053 Calibration: 2300183 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.30	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	uJ
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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IW-24

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-13
		File ID:	E23V08341.D
Sampled:	03/21/23 12:45	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 02:58
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	3.8	2.0	50	u s
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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IW-24

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-13
		File ID:	E23V08341.D
Sampled:	03/21/23 12:45	Prepared:	03/24/23 07:26
		Analyzed:	03/25/23 02:58
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335103	Sequence:	S085053
		Calibration:	2300183
		Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

new 4/26/23

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IW-24

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-13 File ID: E23V08341.D
 Sampled: 03/21/23 12:45 Prepared: 03/24/23 07:26 Analyzed: 03/25/23 02:58
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B335103 Sequence: S085053 Calibration: 2300183 Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene	0.25	0.22	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	4J
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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1 - FORM I ANALYSIS DATA SHEET

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14

MW-10

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-14
		File ID:	C22V08311.D
Sampled:	03/21/23 12:55	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 13:14
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

V-05

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1 - FORM I ANALYSIS DATA SHEET

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14

MW-10

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-14
		File ID:	C22V08311.D
Sampled:	03/21/23 12:55	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 13:14
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	uJ v-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-10

Laboratory: Pace New England Work Order: 23C2429
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
Matrix: Ground Water Laboratory ID: 23C2429-14 File ID: C22V08311.D
Sampled: 03/21/23 12:55 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 13:14
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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300

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MW-10BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-15
		File ID:	C22V08312.D
Sampled:	03/21/23 13:05	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 13:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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MW-10BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-15
		File ID:	C22V08312.D
Sampled:	03/21/23 13:05	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 13:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	WJ V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-10BR

Laboratory: Pace New England Work Order: 23C2429
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
Matrix: Ground Water Laboratory ID: 23C2429-15 File ID: C22V08312.D
Sampled: 03/21/23 13:05 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 13:41
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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IW-19

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-16
		File ID:	C22V08313.D
Sampled:	03/21/23 13:10	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 14:09
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene	3.2	0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	V-05
74-83-9	Bromomethane		1.3	2.0	uJ
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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IW-19

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-16
		File ID:	C22V08313.D
Sampled:	03/21/23 13:10	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 14:09
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	0.44	0.16	1.0	J
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

new 4/20/23

1 - FORM I ANALYSIS DATA SHEET

315

16

IW-19

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-16
		File ID:	C22V08313.D
Sampled:	03/21/23 13:10	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 14:09
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene	0.99	0.22	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

new 450623

1 - FORM I ANALYSIS DATA SHEET

326

17

IW-14

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-17 File ID: C22V08314.D
 Sampled: 03/21/23 13:25 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 14:36
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene	1.2	0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	V-05
74-83-9	Bromomethane		1.3	2.0	uj
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

new 412223

1 - FORM I ANALYSIS DATA SHEET

327

17

IW-14

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-17
		File ID:	C22V08314.D
Sampled:	03/21/23 13:25	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 14:36
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	uJ v-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	1.2	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

uJ 4/20/23

1 - FORM I ANALYSIS DATA SHEET

328

17

IW-14

Laboratory: Pace New England Work Order: 23C2429
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
Matrix: Ground Water Laboratory ID: 23C2429-17 File ID: C22V08314.D
Sampled: 03/21/23 13:25 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 14:36
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene	1.0	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride	0.31	0.24	2.0	J
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

new 4/22/23

1 - FORM I ANALYSIS DATA SHEET

341

18

IW-17

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-18
		File ID:	C22V08315.D
Sampled:	03/21/23 13:35	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 15:03
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene	1.1	0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

V-05

uJ

AW 4/21/23

1 - FORM I ANALYSIS DATA SHEET

342

18

IW-17

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-18
		File ID:	C22V08315.D
Sampled:	03/21/23 13:35	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 15:03
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	UJ V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane	0.55	0.30	1.0	J
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.71	0.14	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

4/20/23

1 - FORM I ANALYSIS DATA SHEET

343

18

IW-17

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-18
		File ID:	C22V08315.D
Sampled:	03/21/23 13:35	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 15:03
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene	0.31	0.22	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

m4120123

1 - FORM I ANALYSIS DATA SHEET

356

19

IW-2

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-19
		File ID:	C22V08316.D
Sampled:	03/21/23 13:45	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 15:30
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	V-05
74-83-9	Bromomethane		1.3	2.0	4J
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

new 4/25/23

1 - FORM I ANALYSIS DATA SHEET

357

19

IW-2

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-19
		File ID:	C22V08316.D
Sampled:	03/21/23 13:45	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 15:30
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	47 V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

سر 412123

1 - FORM I ANALYSIS DATA SHEET

358

19

IW-2

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-19
		File ID:	C22V08316.D
Sampled:	03/21/23 13:45	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 15:30
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene	0.94	0.22	1.0	J
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

Mar 4/20/23

1 - FORM I ANALYSIS DATA SHEET

367

20

IW-1

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-20 File ID: C22V08317.D
 Sampled: 03/21/23 14:00 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 15:58
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	V-05
74-83-9	Bromomethane		1.3	2.0	WJ
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

SW 4/20/23

1 - FORM I ANALYSIS DATA SHEET

368

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IW-1

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-20
		File ID:	C22V08317.D
Sampled:	03/21/23 14:00	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 15:58
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	UJ V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

nw 4/26/23

1 - FORM I ANALYSIS DATA SHEET

369

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IW-1

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-20
		File ID:	C22V08317.D
Sampled:	03/21/23 14:00	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 15:58
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene	1.0	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

04/20/23

1 - FORM I ANALYSIS DATA SHEET

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IW-3

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-21 File ID: C22V08318.D
 Sampled: 03/21/23 14:10 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 16:25
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.3	2.0	50	u
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	V-05
74-83-9	Bromomethane		1.3	2.0	u
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

ms 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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IW-3

Laboratory: Pace New England Work Order: 23C2429
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
Matrix: Ground Water Laboratory ID: 23C2429-21 File ID: C22V08318.D
Sampled: 03/21/23 14:10 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 16:25
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	uJ v-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.43	0.14	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

uJ 4/20/23

1 - FORM I

ANALYSIS DATA SHEET

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IW-3

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-21 File ID: C22V08318.D
 Sampled: 03/21/23 14:10 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 16:25
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran	1.3	0.49	10	J
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride	0.45	0.24	2.0	J
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

mw 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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MW-15

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-22
		File ID:	C22V08319.D
Sampled:	03/21/23 14:20	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 16:52
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	V-05
74-83-9	Bromomethane		1.3	2.0	u7
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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1 - FORM I

ANALYSIS DATA SHEET

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MW-15

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-22
		File ID:	C22V08319.D
Sampled:	03/21/23 14:20	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 16:52
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	uJ v-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-15

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-22
		File ID:	C22V08319.D
Sampled:	03/21/23 14:20	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 16:52
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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23

MW-15BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-23
		File ID:	C22V08320.D
Sampled:	03/21/23 14:25	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 17:19
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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23

MW-15BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-23
		File ID:	C22V08320.D
Sampled:	03/21/23 14:25	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 17:19
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	3.1	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-15BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-23
		File ID:	C22V08320.D
Sampled:	03/21/23 14:25	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 17:19
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.97	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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413

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MW-16

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-24
		File ID:	C22V08321.D
Sampled:	03/21/23 14:35	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 17:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.2	2.0	50	u ✓
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	V-05
74-83-9	Bromomethane		1.3	2.0	u J
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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MW-16

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-24
		File ID:	C22V08321.D
Sampled:	03/21/23 14:35	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 17:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	uJ v-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-16

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-24
		File ID:	C22V08321.D
Sampled:	03/21/23 14:35	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 17:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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MW-16BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-25
		File ID:	C22V08322.D
Sampled:	03/21/23 14:40	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 18:14
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

V-05

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mw 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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MW-16BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-25
		File ID:	C22V08322.D
Sampled:	03/21/23 14:40	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 18:14
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	u J V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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1 - FORM I ANALYSIS DATA SHEET

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MW-16BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-25
		File ID:	C22V08322.D
Sampled:	03/21/23 14:40	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 18:14
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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MW-11

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-26
		File ID:	C22V08323.D
Sampled:	03/21/23 14:50	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 18:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

V-05

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new 4/20/23

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MW-11

26

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-26
		File ID:	C22V08323.D
Sampled:	03/21/23 14:50	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 18:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	UJ V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	1.4	0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-11

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-26
		File ID:	C22V08323.D
Sampled:	03/21/23 14:50	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 18:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride	0.82	0.24	2.0	J
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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MW-12

27

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-27
		File ID:	C22V08324.D
Sampled:	03/21/23 15:00	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 19:09
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	V-05
74-83-9	Bromomethane		1.3	2.0	uJ
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane	36	0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

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MW-12

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-27
		File ID:	C22V08324.D
Sampled:	03/21/23 15:00	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 19:09
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	uJ v-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

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MW-12

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-27
		File ID:	C22V08324.D
Sampled:	03/21/23 15:00	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 19:09
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene	0.61	0.17	1.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

NW 4/24/23

1 - FORM I ANALYSIS DATA SHEET

457

28

IW-11

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-28
		File ID:	C22V08325.D
Sampled:	03/21/23 15:10	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 19:36
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

V-05

4J

new 4/20/23

1 - FORM I ANALYSIS DATA SHEET

458

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IW-11

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-28 File ID: C22V08325.D
 Sampled: 03/21/23 15:10 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 19:36
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	UJ V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.52	0.14	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

new 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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IW-11

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-28
		File ID:	C22V08325.D
Sampled:	03/21/23 15:10	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 19:36
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

mw 4/20/23

1 - FORM I ANALYSIS DATA SHEET

468

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IW-7

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-29
		File ID:	C22V08326.D
Sampled:	03/21/23 15:20	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 20:03
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene	1.0	0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	V-05
74-83-9	Bromomethane		1.3	2.0	4J
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

new 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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IW-7

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-29
		File ID:	C22V08326.D
Sampled:	03/21/23 15:20	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 20:03
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	uJ v-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.35	0.14	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

u 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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IW-7

Laboratory: Pace New England Work Order: 23C2429
Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
Matrix: Ground Water Laboratory ID: 23C2429-29 File ID: C22V08326.D
Sampled: 03/21/23 15:20 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 20:03
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene	2.5	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

mw 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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MW-17

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-30
		File ID:	C22V08327.D
Sampled:	03/21/23 15:30	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 20:30
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	uJ
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	uJ MS-07A, V-05
74-83-9	Bromomethane		1.3	2.0	uJ
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	uJ
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	uJ MS-07A
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

new 4/20/23

1 - FORM I ANALYSIS DATA SHEET

479

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MW-17

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-30
		File ID:	C22V08327.D
Sampled:	03/21/23 15:30	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 20:30
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	MS-07A, V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	MS-07A
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	MS-07A
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

4/21/23

1 - FORM I ANALYSIS DATA SHEET

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MW-17

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-30
		File ID:	C22V08327.D
Sampled:	03/21/23 15:30	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 20:30
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	uj MS-07A
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	uj
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

mw 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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MW-17BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-31
		File ID:	C22V08328.D
Sampled:	03/21/23 15:45	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 20:57
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

~~V-05~~

WJ

~ 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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31

MW-17BR

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-31
		File ID:	C22V08328.D
Sampled:	03/21/23 15:45	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 20:57
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

MW 4/12/23

1 - FORM I

ANALYSIS DATA SHEET

490

31

MW-17BR

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-31 File ID: C22V08328.D
 Sampled: 03/21/23 15:45 Prepared: 03/24/23 07:12 Analyzed: 03/24/23 20:57
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B335101 Sequence: S085044 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

MW 4/23/23

1 - FORM I ANALYSIS DATA SHEET

498

32

Trip Blank

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Trip Blank Water	Laboratory ID:	23C2429-32
		File ID:	C22V08310.D
Sampled:	03/21/23 00:00	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 12:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.9	2.0	50	J
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	V-05
74-83-9	Bromomethane		1.3	2.0	uJ
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

run 4/20/23

1 - FORM I ANALYSIS DATA SHEET

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32

Trip Blank

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Trip Blank Water	Laboratory ID:	23C2429-32
		File ID:	C22V08310.D
Sampled:	03/21/23 00:00	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 12:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	UJ V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

new 4/22/23

1 - FORM I

ANALYSIS DATA SHEET

500

32

Trip Blank

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Trip Blank Water	Laboratory ID:	23C2429-32
		File ID:	C22V08310.D
Sampled:	03/21/23 00:00	Prepared:	03/24/23 07:12
		Analyzed:	03/24/23 12:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335101	Sequence:	S085044
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

rev 4/20/23

1 - FORM I ANALYSIS DATA SHEET

509

33

DUP-032123-01

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-33
		File ID:	C22V08356.D
Sampled:	03/21/23 00:00	Prepared:	03/24/23 07:09
		Analyzed:	03/25/23 09:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335100	Sequence:	S085045
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	uJ
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	uJ
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

11/4/20123

1 - FORM I

ANALYSIS DATA SHEET

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33

DUP-032123-01

Laboratory: Pace New England Work Order: 23C2429
 Client: NYDEC_Arcadis US, Inc. - Clifton F Project: Brewerton Jack's Cleaners - CO 145616
 Matrix: Ground Water Laboratory ID: 23C2429-33 File ID: C22V08356.D
 Sampled: 03/21/23 00:00 Prepared: 03/24/23 07:09 Analyzed: 03/25/23 09:41
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B335100 Sequence: S085045 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	uJ L-04, V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	uJ
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	uJ V-05
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

4/20/23

1 - FORM I ANALYSIS DATA SHEET

511

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DUP-032123-01

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-33
		File ID:	C22V08356.D
Sampled:	03/21/23 00:00	Prepared:	03/24/23 07:09
		Analyzed:	03/25/23 09:41
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335100	Sequence:	S085045
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.14	0.50	
127-18-4	Tetrachloroethylene	0.67	0.17	1.0	J
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

mw4/20/23

1 - FORM I ANALYSIS DATA SHEET

520

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DUP-032123-02

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-34
		File ID:	C22V08357.D
Sampled:	03/21/23 00:00	Prepared:	03/24/23 07:09
		Analyzed:	03/25/23 10:09
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335100	Sequence:	S085045
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.47	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.50	
71-43-2	Benzene		0.18	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.28	1.0	uJ
75-27-4	Bromodichloromethane		0.16	0.50	
75-25-2	Bromoform		0.41	1.0	
74-83-9	Bromomethane		1.3	2.0	uJ
78-93-3	2-Butanone (MEK)		1.7	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.13	1.0	
98-06-6	tert-Butylbenzene		0.14	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.6	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.20	0.50	
75-00-3	Chloroethane		0.34	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.50	2.0	
95-49-8	2-Chlorotoluene		0.15	1.0	
106-43-4	4-Chlorotoluene		0.15	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.85	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.16	0.50	
74-95-3	Dibromomethane		0.32	1.0	
95-50-1	1,2-Dichlorobenzene		0.13	1.0	
541-73-1	1,3-Dichlorobenzene		0.14	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

may 12/23

1 - FORM I ANALYSIS DATA SHEET

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DUP-032123-02

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-34
		File ID:	C22V08357.D
Sampled:	03/21/23 00:00	Prepared:	03/24/23 07:09
		Analyzed:	03/25/23 10:09
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335100	Sequence:	S085045
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.5	2.0	uJ L-04, V-05
75-71-8	Dichlorodifluoromethane (Freon 12)		0.16	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.30	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.14	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.19	1.0	
142-28-9	1,3-Dichloropropane		0.12	0.50	
594-20-7	2,2-Dichloropropane		0.35	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
60-29-7	Diethyl Ether		0.14	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.20	0.50	uJ
123-91-1	1,4-Dioxane		18	50	
100-41-4	Ethylbenzene		0.22	1.0	
87-68-3	Hexachlorobutadiene		0.47	0.60	
591-78-6	2-Hexanone (MBK)		1.2	10	
98-82-8	Isopropylbenzene (Cumene)		0.15	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.13	1.0	
79-20-9	Methyl Acetate		0.61	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.16	1.0	
75-09-2	Methylene Chloride		0.18	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.38	2.0	uJ V-05
103-65-1	n-Propylbenzene		0.12	1.0	
100-42-5	Styrene		0.15	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.16	1.0	

mw 4/2/23

1 - FORM I ANALYSIS DATA SHEET

522

34

DUP-032123-02

Laboratory:	Pace New England	Work Order:	23C2429
Client:	NYDEC_Arcadis US, Inc. - Clifton F	Project:	Brewerton Jack's Cleaners - CO 145616
Matrix:	Ground Water	Laboratory ID:	23C2429-34
		File ID:	C22V08357.D
Sampled:	03/21/23 00:00	Prepared:	03/24/23 07:09
		Analyzed:	03/25/23 10:09
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B335100	Sequence:	S085045
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
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127-18-4	Tetrachloroethylene	0.40	0.17	1.0	J
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.34	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.30	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.15	1.0	
79-00-5	1,1,2-Trichloroethane		0.19	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.21	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.15	1.0	
75-01-4	Vinyl Chloride		0.24	2.0	
108383/106423	m+p Xylene		0.49	2.0	
95-47-6	o-Xylene		0.24	1.0	

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