



January 23, 2023

Ms. Ruth Curley
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, New York 12233

**RE: October 2022 Monitoring Results
222 South Ferry Street Site
NYSDEC Site No. 447047
222 South Ferry Street
Schenectady, New York 12305
(HRP # DEC1012.RA)**

Dear Ms. Curley:

In October 2022, HRP Associates, Inc. (HRP) performed groundwater monitoring and sampling at the 222 South Ferry Street Site (the Site), located in Schenectady, New York (**Figure 1**). This event was performed as the second semi-annual monitoring and sampling event of 2022 in accordance with the Interim Site Management Plan (SMP) dated May 9, 2022. The semi-annual events follow the completion of an in-situ groundwater treatment which was performed as an Interim Remedial Measure (IRM). The in-situ treatment consisted of the injection of emulsified vegetable oil, zero valance iron (ZVI), and *Dehalococoides* microbes (DHC) into Site groundwater. The injections were performed in two events conducted on December 8-10, 2020, and November 10-12, 2021. In-situ groundwater treatment was followed by four groundwater monitoring and sampling events conducted quarterly during 2021, and semi-annual monitoring events conducted in April and October of 2022.

The purpose of the semi-annual groundwater monitoring and sampling events, as outlined in the Interim SMP, is to assess the performance of the in-situ groundwater treatment. This is to be accomplished by comparisons of pre- and post-remediation chlorinated volatile organic compound (VOC) concentrations and analysis of geochemical parameters from select on-site monitoring wells. The field activities and results of the October 2022 semi-annual sampling event are summarized below.

Field Activities

HRP mobilized to the Site on October 11 and 12, 2022, to conduct groundwater level gauging and sampling. Groundwater samples were collected from the ten monitoring wells identified in the Interim SMP. Prior to commencing sampling, depth to water measurements were recorded from all accessible monitoring wells to the nearest 0.01 foot, measured from surveyed top of casings. The monitoring well locations are depicted on **Figure 2**.

Groundwater samples were collected in general accordance with EPA Low Flow purge and sample guidelines. Purging required removing water from the well at a rate of at least 100 milliliters per minute, but not exceeding 1 liter per minute, for a sufficient length of time for water quality parameters to

stabilize. Sampling commenced immediately after purging without adjusting the flow rate or water intake depth.

Groundwater samples of each of the ten monitoring wells were submitted to Pace Analytical for VOC analysis via EPA Method 8260. Groundwater samples from five of the ten monitoring wells were analyzed for a list of geochemical parameters in addition to VOCs. The full list of parameters analyzed for each well sampled during the October 2022 sampling event is included in **Table 1**. For QA/QC purposes, matrix spike and matrix spike duplicate (MS/MSD) samples were collected from MW-2. A field duplicate sample was collected from PES-MW-6 and designated "DUP-1 JG".

Depth to water measurements and groundwater elevations, as well as available monitoring well construction details are included on **Table 2**. Low flow sampling logs, including water quality monitoring parameters recorded during purging, are included as **Attachment A**.

Deviations from Interim SMP

The following deviations from the Interim SMP were made during the October 2022 monitoring and sampling event:

- Groundwater samples collected during the October 2022 sampling event were not analyzed for sulfate.

Findings

During the October 2022 monitoring and sampling event, groundwater was encountered in monitoring wells at depths ranging from 5.31 to 9.58 feet below top of casing (ft btoc). A groundwater elevation contour map, prepared from water level data collected on October 11, 2022, shows that on-site groundwater predominantly flows from south to north. The groundwater elevation contours from the October 2022 monitoring data are depicted on **Figure 3**. When compared to measurements recorded during the April 2022 event, groundwater elevation was an average 1.38 feet lower in the monitoring wells across the Site in October 2022. Depth to water measurements, groundwater elevations, and available well construction details are presented on **Table 2**.

VOC analytical results indicate that chlorinated VOCs were detected at concentrations exceeding NYSDEC Class GA Criteria in nine of the ten monitoring wells sampled during the October 2022 event. VOCs were not detected at concentrations exceeding the NYSDEC Class GA Criteria in samples collected from MW-12 and MW-13. VOC analytical results from the October 2022 sample event are presented on **Table 3**.

A comparison of the October 2022 sampling results to historical results indicates a continued trend of dechlorination in Site groundwater, with minor decreases in VOC concentrations between the April 2022 and October 2022 sampling events. Chlorinated VOC concentrations detected October 2022 generally remained within the same order of magnitude as concentrations detected in April 2022.

Trichloroethylene (TCE) concentrations continued to decrease in MW-5, where TCE was detected at a concentration of 0.48 micrograms per liter ($\mu\text{g/L}$), below the NYSDEC Class GA Criteria of 5 $\mu\text{g/L}$, during the October 2022 event. TCE concentrations also decreased below NYSDEC Class GA Criteria in monitoring well PES-MW-4, where it was detected at a concentration of 0.95 $\mu\text{g/L}$. TCE concentrations remain above NYSDEC Class GA Criteria in monitoring well MW-8 (6.8 $\mu\text{g/L}$) but have decreased since the April 2022 event.

Cis-1,2-dichloroethylene (cis-1,2-DCE) concentrations showed a continued decline in monitoring wells MW-5, MW-8, MW-10, and PES-MW-4. Cis-1,2-DCE concentrations decreased below NYSDEC Class GA Criteria in monitoring well MW-5 (4.4 $\mu\text{g/L}$) during the October 2022 event. Vinyl chloride concentrations declined in each of these wells except for MW-5 and MW-10. Cis-1,2-DCE and vinyl chloride concentrations generally remained consistent with April 2022 results in other monitoring wells. Cis-1,2-DCE remains at concentrations exceeding NYSDEC Class GA Criteria in five of the Site monitoring wells. Vinyl chloride remains at concentrations exceeding NYSDEC Class GA Criteria in eight of the Site monitoring wells. A comparison of previous quarterly and pre-IRM VOC results is presented on **Table 4** and in relation to monitoring well locations on **Figure 4**. Line graphs depicting chlorinated VOC concentrations and groundwater elevation over time are included in **Attachment B**.

Historical results of geochemical parameter analyses indicate increases in concentrations of ethylene, ethane, and methane in MW-8 across the first three post-injection monitoring events (January 2021-July 2021) and in MW-5, MW-6R, and MW-13 across the December 2021 and April 2022 monitoring events, following completion of injections upgradient of these wells. October 2022 sample results indicate iron concentrations in monitoring wells MW-5, MW-6R, MW-8, MW-10, and MW-13 remained elevated above pre-treatment conditions. A comparison of October 2022 geochemical parameter data to historical data is presented on **Table 5**.

Data Validation and Usability

Data validation of the October 2022 VOC analytical results was completed by Judy Harry of Data Validation Services. The Data Usability Summary Report (DUSR) for the analytical results indicates that no data was deemed to be unusable. The laboratory analytical reports from the October 2022 sample event are included in **Attachment C** and the accompanying DUSR is included in **Attachment D**. Validated electronic data deliverables (EDDs) will be submitted to the NYSDEC project manager and entered into the NYSDEC database shortly.

Conclusions

Results from the October 2022 monitoring event indicate dechlorination is occurring in groundwater at the Site. Dechlorination is evidenced in Site groundwater by an overall decline in the primary species of chlorinated VOCs (TCE, cis-1,2-DCE, and vinyl chloride) and a brief increase followed by a decline in the concentrations of breakdown species (cis-1,2-DCE and vinyl chloride). Results from geochemical analyses also provide evidence for dechlorination. Increases in concentrations of ethylene, ethane, and methane, which are produced by the breakdown of chlorinated VOCs, were observed in MW-8 across the first three post-injection monitoring events (January 2021-July 2021) and in MW-5, MW-6R, and MW-13 across the December 2021 and April 2022 monitoring events, following completion of injections upgradient of these wells. Based on results from October 2022, iron concentrations remain elevated

relative to pre-treatment conditions, indicating potential for continued dechlorination in Site groundwater through redox reactions.

Results from MW-2 and MW-12 indicate concentrations of cis-1,2-DCE and vinyl chloride remain consistent with pre-treatment concentrations, marginally exceeding NYSDEC Class GA Criteria, but well below pre-treatment concentrations observed in source area wells (MW-8, PES-MW-4, PES-MW-5, PES-MW-6).

Monitoring results collected to date indicate the IRM injection events have effectively enhanced dechlorination and have significantly reduced concentrations of chlorinated VOCs in groundwater beneath the Site. Based on the relatively minor changes in chlorinated VOC concentrations observed between the April 2022 and October 2022 events (generally less than one order of magnitude), HRP recommends groundwater monitoring and sampling be reduced from semiannual events to every fifth quarter. Additionally, HRP recommends monitoring well samples be analyzed for VOCs only in future events (i.e., geochemical analyses should be discontinued). The purpose of monitoring for geochemical parameters was to facilitate design of additional in-situ treatment injection events; however, based on the overall declining trends of VOC concentrations and relatively low VOC concentrations detected during the October 2022 monitoring event, additional in-situ treatment is not anticipated. The final SMP for the Site should be revised to reflect these changes to the monitoring and sampling plan.

If you have any questions or require additional information, please feel free to contact HRP at (518) 877-7101.

Sincerely,
HRP Associates, Inc.



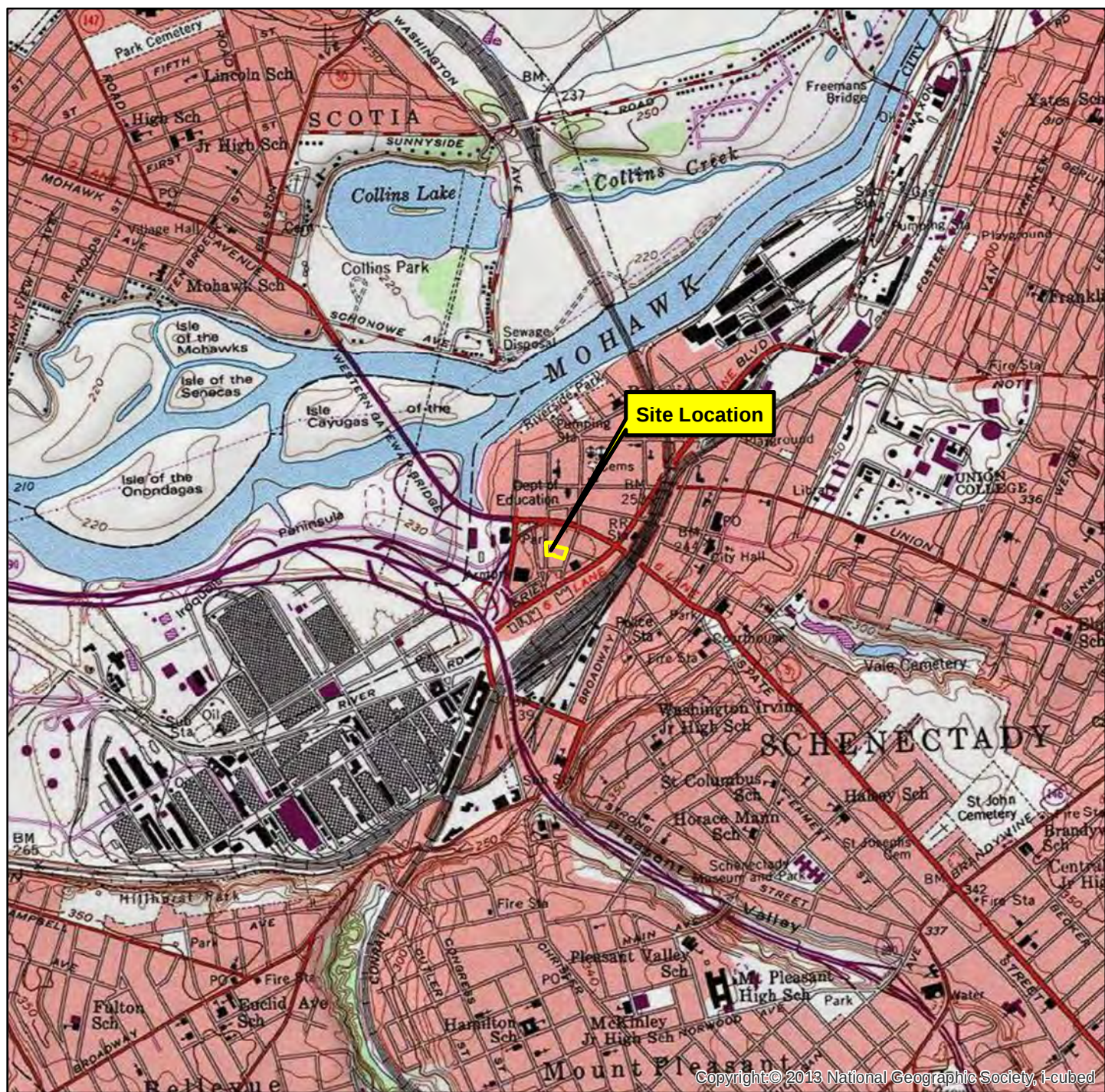
John Gorman
Project Consultant



Mark Wright, PG
Senior Project Manager

Attachments

FIGURES



0 1,000 2,000 4,000 6,000 8,000 Feet
1 inch = 2,000 feet



Figure 1
Site Location
222 South Ferry Street
Schenectady, New York
HRP # DEC1012.RA
Scale 1" = 2,000'

USGS Quadrangle Information
Quad ID: 42073-G8
Name: Schenectady, New York
Date Rev: 1978
Date Pub: 1981

HRP
MOVE YOUR ENVIRONMENT FORWARD
ONE FAIRCHILD SQUARE
SUITE 110
CLIFTON PARK, NY 12065
(518) 877-7101
HRPASSOCIATES.COM

Path: S:\Data\N\NYDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\SCHENECTADY\222 SOUTH FERRY STREET\DEC1012\RA\GIS\Q1 - Figure 2 - Monitoring Well and Injection Point Locations



Legend

- Monitoring Well
- December 2020 Injection Points
- November 2021 Injection Points
- Approximate Groundwater Flow Direction
- Approximate Property Line



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North



0 15 30 Feet

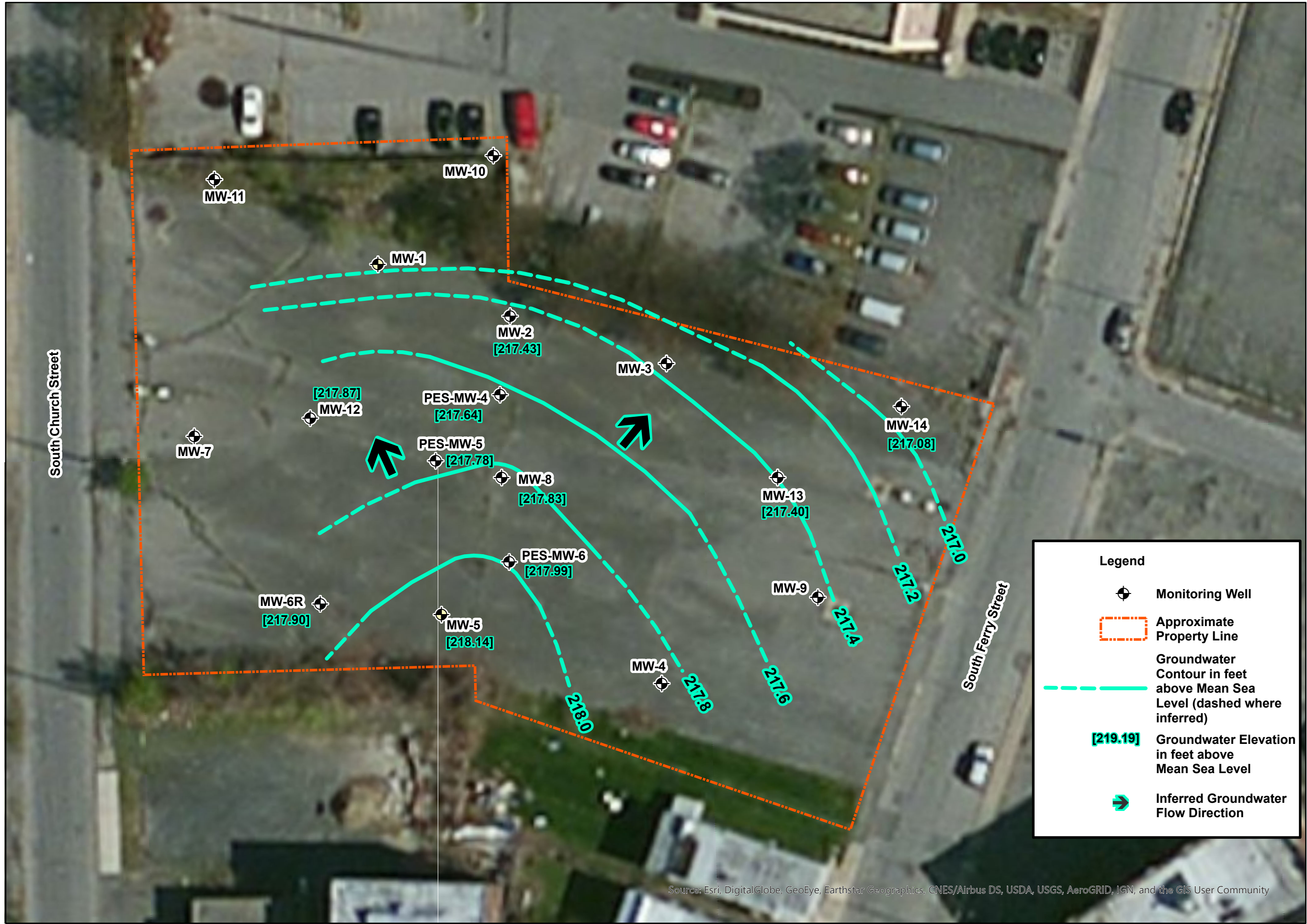
Revisions				
	No.	Date	Designed By:	Drawn By:
			PRL	CMS
			Reviewed By:	PWM
			Issue Date:	Project No:
			10/24/2022	DEC1012.RA
			Sheet Size:	11x17

Groundwater Monitoring Well and Injection Locations

222 South Ferry Street
Schenectady, New York

FIGURE 2

Path: S:\Data\NINYDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\SCHENECTAD\Y222 SOUTH FERRY STREET\DEC1012RA\GIS\Q3 2022\Figure 3 Groundwater Map.aprx



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



North



0 15 30 Feet

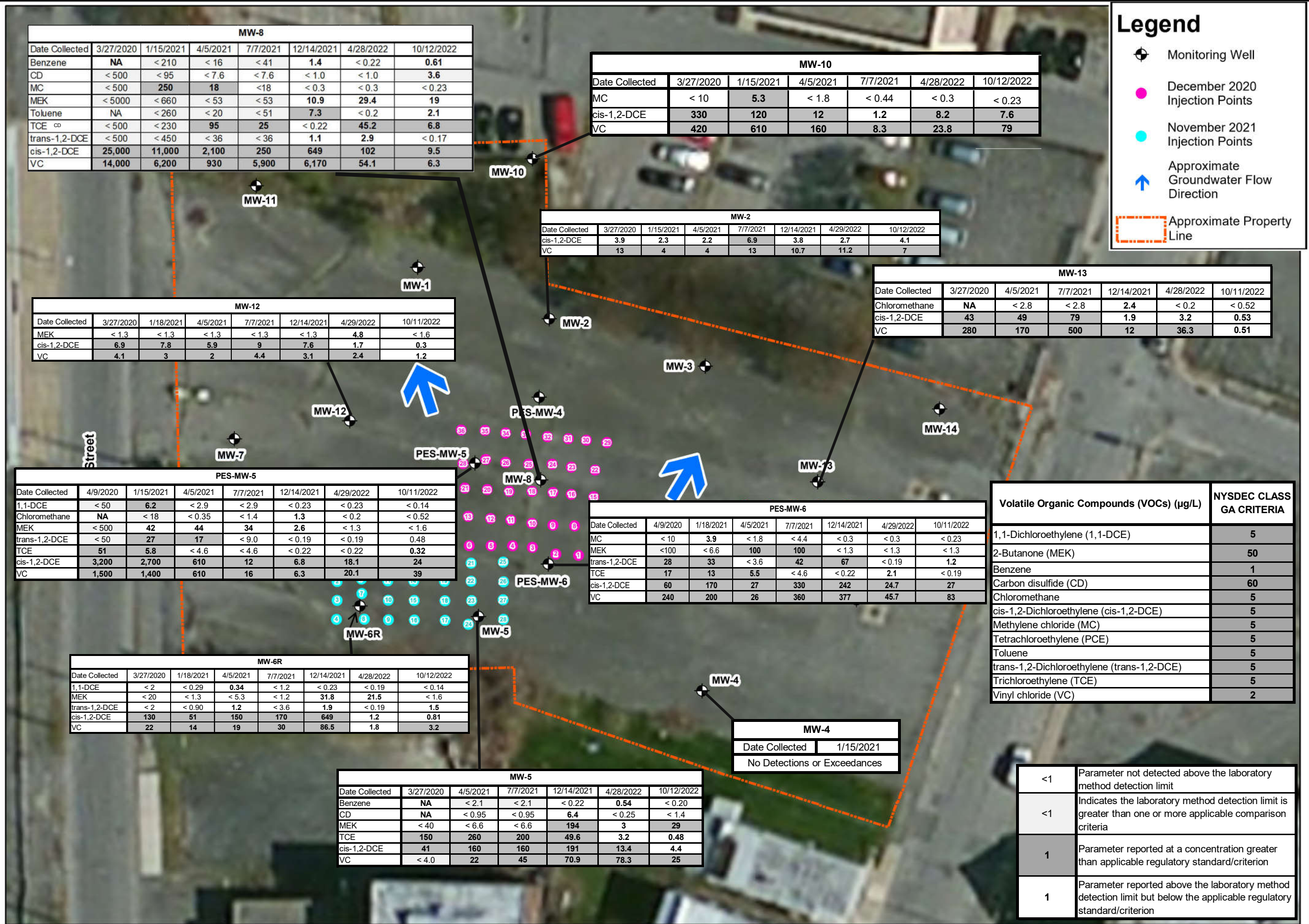
Issue Date:	Designed By:	Revisions	
		No.	Date
10/24/2022	JG		
Project No:	Drawn By:		
DEC1012.RA	BOB		
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11x17	MEW		

Groundwater
Elevation
Contours

October 2022

222 South Ferry Street
Schenectady, New York

FIGURE
3



TABLES

Table 1
Sample Summary
222 South Ferry Street Site, Site # 447047
222 South Ferry Street, Schenectady, New York

Activity	Matrix	Sample Locations	Monitoring Well IDs	Samples to be Collected	Analyses
Monitoring Well Sampling	Groundwater	5	MW-2 (MS/MSD), MW-12, PES-MW-4, PES-MW-5, PES-MW-6 (duplicate collected)	8 (includes 1 duplicate, 1 MS, 1 MSD)	VOCs by EPA Method 8260C
		5	MW-5, MW-6R, MW-8, MW-10, MW-13	5	VOCs by EPA Method 8260C Iron: Total and Dissolved by EPA Method 6010C Manganese: Total and Dissolved by EPA Method 6010C Chloride by EPA Method 300.0 Sulfide by SM4500_S2_F Nitrate by EPA Method 353.2 TOC by EPA Method 5310C Alkalinity, Total by EPA Method 23320B Methane/Ethane/Ethene - Dissolved Gases (GC) by Method RSK_175

Acronym List:

GC: Gas Chromatograph

MS: Matrix Spike

MSD: Matrix Spike Duplicate

VOCs: Volatile Organic Compounds

TOC: Total Organic Carbon

Table 2
Well Construction and Groundwater Elevation
October 2022
222 South Ferry Street Site, Site # 447047
222 South Ferry Street, Schenectady, New York

Monitoring Well Designation		MW-2	MW-4	MW-5	MW-6R	MW-7	MW-8	MW-9	MW-10*	MW-12	MW-13	MW-14	PES-MW-4	PES-MW-5	PES-MW-6
Installation Date		12/1/2007	12/1/2007	12/1/2007	11/15/2017	12/1/2007	12/1/2007	12/1/2007	5/13/2022	1/15/2014	1/16/2014	11/14/2017	4/3/2020	4/3/2020	4/3/2020
Top of Casing Elevation (ft amsl)		223.84	223.92	224.51	224.06	225.13	224.00	222.81	--	224.19	223.08	222.36	223.88	224.07	224.3
Screened Interval (ft btoc)		5 - 15	Unknown	Unknown	5 - 15	Unknown	Unknown	Unknown	5 - 15	5 - 15	5 - 15	2 - 12	5 - 10	8 - 13	4 - 14
Well Diameter (inches)		1	1	1	2	1	1	1	2	2	2	2	1	1	1
Measurement Date	Gauging Data														
1/15/2021	Depth to Water (ft btoc)	5.65	5.15	ND	5.92	6.87	5.59	4.39	7.98	ND	4.42	3.95	5.20	5.76	5.63
	Groundwater Elevation (ft amsl)	218.19	218.77	ND	218.14	218.26	218.41	218.42	215.89	ND	218.66	218.41	218.68	218.31	218.67
	Measured Depth to Bottom (ft btoc)	12.75	11.65	ND	14.65	12.27	12.46	12.27	18.60	14.15	13.70	11.89	9.58	12.90	13.85
4/5/2021	Depth to Water (ft btoc)	5.28	4.83	5.35	5.55	6.56	5.05	3.77	6.93	5.59	4.23	3.64	4.88	5.36	5.09
	Groundwater Elevation (ft amsl)	218.56	219.09	219.16	218.51	218.57	218.95	219.04	216.94	218.60	218.85	218.72	219.00	218.71	219.21
	Measured Depth to Bottom (ft btoc)	12.71	9.72	12.20	14.65	12.25	12.50	11.90	18.39	14.10	13.60	11.90	8.35	12.65	14.25
7/7/2021	Depth to Water (ft btoc)	5.88	5.61	6.20	6.10	7.07	5.67	4.40	7.13	6.14	4.79	4.83	5.52	5.90	6.05
	Groundwater Elevation (ft amsl)	217.96	218.31	218.31	217.96	218.06	218.33	218.41	216.74	218.05	218.29	217.53	218.36	218.17	218.25
	Measured Depth to Bottom (ft btoc)	12.75	9.65	12.11	14.65	12.29	12.50	11.93	18.35	14.10	13.60	11.82	9.35	12.64	14.26
12/13/2021	Depth to Water (ft btoc)	5.93	ND	6.00	5.97	7.04	5.75	5.03	7.13	6.05	5.36	5.05	5.89	5.84	6.10
	Groundwater Elevation (ft amsl)	217.91	ND	218.51	218.09	218.09	218.25	217.78	216.74	218.14	217.72	217.31	217.99	218.23	218.20
	Measured Depth to Bottom (ft btoc)	12.75	ND	12.11	14.65	12.29	12.50	11.93	18.35	14.10	13.60	11.82	9.35	12.64	14.26
4/29/2022	Depth to Water (ft btoc)	5.02	ND	4.90	4.96	ND	4.68	ND	8.26	5.00	4.20	3.75	4.87	4.94	5.15
	Groundwater Elevation (ft amsl)	218.82	ND	219.61	219.10	ND	219.32	ND	--	219.19	218.88	218.61	219.01	219.13	219.15
	Measured Depth to Bottom (ft btoc)	12.71	ND	12.20	14.65	ND	12.50	ND	18.39	14.10	13.60	11.90	8.35	12.65	14.25
10/11/2022	Depth to Water (ft btoc)	6.41	ND	6.37	6.16	ND	6.17	ND	9.58	6.32	5.68	5.31	6.24	6.29	6.31
	Groundwater Elevation (ft amsl)	217.43	ND	218.14	217.90	ND	217.83	ND	-	217.87	217.40	217.05	217.64	217.78	217.99
	Measured Depth to Bottom (ft btoc)	12.81	ND	11.89	14.66	ND	12.44	ND	16.76	13.91	13.41	11.91	9.40	12.55	8.89

NOTES

ft btoc = feet below top of casing
ft amsl = feet above mean sea level
ND = No data - MW-4, MW-7, MW-9 not located
Top of casing elevations surveyed by Advanced Engineering and Surveying, LLC (2019) based on NAVD 88 datum. PES-MW wells tied into previous survey by Precision, 2020 (not licensed surveyor) .
*MW-10 was replaced prior to the April 2022 monitoring event. Top of casing elevation has not been surveyed and therefore groundwater elevation was not calculated for the April and October 2022 monitoring events.



Table 3
Summary of Groundwater Sample Results
October 2022
Volatile Organic Compounds
Detected Analytes Only
222 Ferry Street Site, Site # 447047
222 South Ferry Street, Schenectady, New York

Lab Report No.:	NYSDEC CLASS GA CRITERIA	22J1468	22J1895	22J1895	22J1895	22J1895	22J1468	22J1468	22J1468	22J1468	22J1468
ID:		MW-2	MW-5	MW-6R	MW-8	MW-10	MW-12	MW-13	PES-MW-4	PES-MW-5	PES-MW-6
Date Collected:		10/11/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/11/2022	10/11/2022	10/11/2022	10/11/2022	10/11/2022
Volatile Organic Compounds (VOCs) (µg/L)											
2-Butanone (MEK)	50	< 1.6	29	< 1.6	19 J	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Acetone	50	< 2.0	33 J	4.0 J	30 J	< 2.0	< 2.0	2.4 J	< 2.0	< 2.0	3.8 J
Benzene	1	< 0.20	< 0.20	0.31 J	0.61 J	< 0.20	< 0.20	0.37 J	0.43 J	< 0.20	0.30 J
Carbon Disulfide	60	< 1.4	< 1.4	< 1.4	3.6 J	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
cis-1,2-Dichloroethylene	5	4.1	4.4	0.81 J	9.5	7.6	0.30 J	0.53 J	11	24	27
Toluene	5	< 0.22	0.66 J	0.39 J	2.1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
trans-1,2-Dichloroethylene	5	< 0.17	1.9	1.5	< 0.17	0.34 J	0.84 J	< 0.17	0.20 J	0.48 J	1.2
Trichloroethylene	5	< 0.19	0.48 J	< 0.19	6.8	< 0.19	< 0.19	< 0.19	0.95 J	0.32 J	< 0.19
Vinyl chloride	2	7.0	25	3.2	6.3	79 E	1.2 J	0.51 J	15	39	83

Legend	
< 1	Parameter not detected above the method detection limit
< 1	Indicates the method detection limit is greater than one or more applicable comparison criteria
< 1	Indicates the method detection limit is greater than one or more applicable comparison criteria
1	Parameter reported above the laboratory method detection limit but below the applicable regulatory standard/criterion

Notes:
µg/L = micrograms per liter
J - indicates that the estimated value is greater than or equal to the MDL and less than the LOQ (or qualified estimated by validator)
E - Reported result is estimated. Value reported over verified calibration range.

Table 4
Summary of Groundwater Sample Results
October 2022
Volatile Organic Compounds - Detected Analytes Only
222 South Ferry Street Site, Site # 447047
222 South Ferry Street, Schenectady, New York

Well ID	Date Collected	NYSDEC Class GA Criteria	Benzene	Carbon disulfide	Chloromethane	Toluene	2-Butanone (MEK)	1,1-Dichloroethylene	Methylene chloride	trans-1,2-Dichloroethylene	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethylene	Vinyl chloride
			1	60	5	5	50	5	NP	5	5	5	5	2
MW-2	3/27/2020	Volatile Organic Compounds (VOCs) (ug/L)	NA	NA	NA	NA	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.9	13
	1/15/2021		< 0.41	< 0.19	< 0.35	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	2.3	4
	4/5/2021		< 0.41	< 0.19	< 0.35	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	2.2	4
	7/7/2021		< 0.41	< 0.19	0.54	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	6.9	13
	12/14/2021		< 0.22	< 0.25	< 0.2	< 0.2	< 1.3	< 0.23	< 0.3	< 0.19	< 0.28	< 0.22	3.8	10.7
	4/29/2022		< 0.22	< 0.25	< 0.2	< 0.2	< 1.3	< 0.19	< 0.3	< 0.19	< 0.28	< 0.22	2.7	11.2
	10/11/2022		< 0.20	< 1.4	< 0.52	< 0.22	< 1.6	< 0.14	< 0.23	< 0.17	< 0.19	< 0.19	4.1	7.0
MW-4	1/15/2021		< 0.41	< 0.19	< 0.35	< 0.51	< 0.29	< 0.36	< 0.23	< 0.46	< 1.3	< 0.81	< 0.90	< 0.90
MW-5	3/27/2020		NA	NA	NA	NA	< 40	< 4.0	< 0.23	< 4.0	< 4.0	150	41	< 4.0
	4/5/2021		< 2.1	< 0.95	< 1.8	< 2.6	< 6.6	< 1.5	< 0.23	< 4.5	< 1.8	260	160	22
	7/7/2021		< 2.1	< 0.95	< 1.8	< 2.6	< 6.6	< 1.5	< 0.23	< 4.5	< 1.8	200	160	45
	12/14/2021		< 0.22	6.4	< 0.2	< 0.2	194	1.2	< 0.23	4.3	< 0.28	49.6	191	70.9
	4/28/2022		0.54 J	< 0.25	< 0.2	1.1	3 J	< 0.19	< 0.3	< 0.19	< 0.28	3.2	13.4	78.3
	10/12/2022		< 0.20	< 1.4	< 0.52	0.66 J	29	< 0.14	< 0.23	1.9	< 0.19	0.48 J	4.4	25
MW-6R	3/27/2020		NA	NA	NA	NA	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	130	22
	1/18/2021		< 0.41	< 0.19	< 0.35	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	51	14
	4/5/2021		< 1.6	< 0.76	< 1.4	< 2	< 5.3	0.34 J	< 1.8	1.2	< 1.4	< 1.8	150	19
	7/7/2021		< 1.6	< 0.76	< 1.4	< 2	< 1.2	< 1.2	< 1.8	< 3.6	< 1.4	< 1.8	170	30
	12/14/2021		< 0.22	< 0.25	< 0.2	< 0.2	31.8	< 0.23	< 0.3	1.9	< 0.28	< 0.22	199	86.5
	4/28/2022		< 0.22	< 0.25	< 0.2	< 0.2	21.5	< 0.19	< 0.3	< 0.19	< 0.28	< 0.22	1.2	1.8
	10/12/2022		0.31 J	< 1.4	< 0.52	0.39 J	< 1.6	< 0.14	< 0.23	1.5	< 0.19	< 0.19	0.81 J	3.2
MW-8	3/27/2020		NA	NA	NA	NA	< 5000	< 500	< 500	< 500	< 500	< 500	25,000	14,000
	1/15/2021		< 210	< 95	< 180	< 260	< 660	< 150	250	< 450	< 180	< 230	11,000	6,200
	4/5/2021		< 16	< 7.6	< 14	< 20	< 53	< 12	18 J	< 36	< 14	95	2,100 F1	930 F1
	7/7/2021		< 41	< 19	< 35	< 51	< 53	< 12	< 18	< 36	< 14	25	250	5,900
	12/14/2021		1.4	< 0.25	< 0.2	7.3	10.9	< 0.23	< 0.3	1.1	< 0.28	< 0.22	649	6,170
	4/28/2022		< 0.22	< 0.25	< 0.2	< 0.2	29.4 J	< 0.19	< 0.3	2.9 J	< 0.28	45.2 J	102 J	54.1 J
	10/12/2022		0.61 J	3.6 J	< 0.52	2.1	19 J	< 0.14	< 0.23	< 0.17	< 0.19	6.8	9.5	6.3
MW-10	3/27/2020		NA	NA	NA	NA	< 100	< 10	< 10	< 10	< 10	< 10	330	420
	1/15/2021		< 4.1	< 1.9	< 3.5	< 5.1	< 13	< 2.9	5.3	< 9.0	< 3.6	< 4.6	120	610
	4/5/2021		< 1.6	< 0.76	< 1.4	< 2	< 5.3	< 1.2	< 1.8	< 3.6	< 1.4	< 1.8	12	160
	7/7/2022		< 0.41	< 0.19	< 0.35	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	1.2	8.3
	4/28/2022		< 0.22	< 0.25	< 0.2	< 0.2	< 1.3	< 0.19	< 0.3	< 0.19	< 0.28	< 0.22	8.2	23.8
	10/12/2022		< 0.20	< 1.4	< 0.52	< 0.22	< 1.6	< 0.14	< 0.23	0.34 J	< 0.19	< 0.19	7.6	79 E

Legend

< 1	Parameter not detected above the laboratory method detection limit
< 1	Indicates the laboratory method detection limit is greater than one or more applicable comparison criteria
1	Parameter reported at a concentration greater than applicable regulatory standard/criterion
1	Parameter reported above the laboratory method detection limit but below the applicable regulatory standard/criterion

Notes:

ug/L = micrograms per liter

VOCs = volatile organic compounds

NP= Non-promulgated. No applicable standard

J - indicates that the estimated value is greater than or equal to the MDL and less than the LOQ (or qualified estimated by validator)

Pre-injection samples collected on 3/27/20 by Precision Environmental Services. Results shown are detections above laboratory reporting limits. Method detection limits not available.

NYSDEC CLASS GA Criteria = Groundwater Class 'GA' Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards, Guidance Values, and Groundwater Effluent Limitations

F1 - MS and/or MSD recovery exceeds control limits

E - Reported result is estimated. Value reported over verified calibration range.



Table 4
Summary of Groundwater Sample Results
October 2022
Volatile Organic Compounds - Detected Analytes Only
222 South Ferry Street Site, Site # 447047
222 South Ferry Street, Schenectady, New York

			Benzene	Carbon disulfide	Chloromethane	Toluene	2-Butanone (MEK)	1,1-Dichloroethylene	Methylene chloride	trans-1,2-Dichloroethylene	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethylene	Vinyl chloride
Well ID	Date Collected	NYSDEC Class GA Criteria	1	60	5	5	50	5	NP	5	5	5	5	2
MW-12	3/27/2020	Volatile Organic Compounds (VOCs) (ug/L)	NA	NA	NA	NA	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.9	4.1
	1/18/2021		< 0.41	< 0.19	< 0.35	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	7.8	3
	4/5/2021		< 0.41	< 0.19	< 0.35	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	5.9	2
	7/7/2021		< 0.41	< 0.19	< 0.35	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	9	4.4
	12/14/2021		< 0.22	< 0.25	< 0.2	< 0.2	< 1.3	< 0.23	< 0.3	< 0.19	< 0.28	< 0.22	7.6	3.1
	4/29/2022		< 0.22	< 0.25	< 0.2	< 0.2	4.8 J	< 0.19	< 0.3	< 0.19	< 0.28	< 0.22	1.7	2.4
	10/11/2022		< 0.20	< 1.4	< 0.52	< 0.22	< 1.6	< 0.14	< 0.23	0.84 J	< 0.19	< 0.19	0.30 J	1.2 J
MW-13	3/27/2020		NA	NA	NA	NA	< 100	< 10	< 10	< 10	< 10	< 10	43	280
	4/5/2021		< 3.3	< 1.5	< 2.8	< 4.1	< 11	< 2.3	< 3.5	< 7.2	< 2.9	< 3.7	49	170
	7/7/2021		< 3.3	< 1.5	< 2.8	< 4.1	< 11	< 2.3	< 3.5	< 7.2	< 2.9	< 3.7	79	500
	12/14/2021		< 0.22	< 0.25	2.4	< 0.2	2.3	< 0.23	< 0.3	< 0.19	< 0.28	< 0.22	1.9	12
	4/28/2022		< 0.22	< 0.25	< 0.2	< 0.2	< 1.3	< 0.19	< 0.3	< 0.19	< 0.28	< 0.22	3.2	36.3
MW-14	10/11/2022		0.37 J	< 1.4	< 0.52	< 0.22	< 1.6	< 0.14	< 0.23	< 0.17	< 0.19	< 0.19	0.53 J	0.51 J
	1/18/2021		< 0.41	< 0.19	< 0.35	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	1.1	< 0.46	< 0.81	< 0.90
	4/5/2021		< 0.41	< 0.19	< 0.35	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	1.2	< 0.46	< 0.81	< 0.90
	7/7/2021		< 0.41	< 0.19	0.37	< 0.51	< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	< 0.81	< 0.90
	12/14/2021		< 0.22	< 0.25	< 0.2	< 0.2	< 1.3	< 0.23	< 0.3	< 0.19	< 0.28	< 0.22	< 0.24	< 0.33
PES-MW-4	4/29/2022		< 0.22	< 0.25	< 0.2	< 0.2	< 1.3	< 0.19	< 0.3	< 0.19	< 0.28	< 0.22	< 0.24	< 0.33
	4/9/2020		NA	NA	NA	NA	< 800	< 80	< 80	< 80	< 80	< 80	310	1,600
	1/15/2021		< 21	< 9.5	< 18	< 26	< 66	< 15	44 J F1	< 45	< 18	< 23	< 41	2200 F1
	4/5/2021		< 0.41	< 0.19	< 0.35	< 0.51	5.2 J	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	3.1	24
	7/7/2021		< 1.6	< 0.76	< 1.4	< 2	8.9 J	< 1.2	< 1.8	< 3.6	< 0.36	< 0.46	< 0.81	7.1
	12/14/2021		< 0.22	< 0.25	1.5	< 0.2	< 1.3	< 0.23	< 0.3	< 0.19	< 0.28	6.2	35.9	23.5
	4/29/2022		0.51 J	< 0.25	< 0.2	< 0.2	< 1.3	< 0.19	< 0.3	< 0.19	< 0.28	11.4	42.3	22.5
PES-MW-5	10/11/2022		0.43 J	< 1.4	< 0.52	< 0.22	< 1.6	< 0.14	< 0.23	0.20 J	< 0.19	0.95 J	11	15
	4/9/2020		NA	NA	NA	NA	< 500	< 50	< 50	< 50	< 50	51	3,200	1,500
	1/15/2021		< 16	< 7.6	< 14	< 20	42	6.2	2.2	27	< 1.4	5.8	2,700	1,400
	4/5/2021		< 4.1	< 1.9	< 3.5	< 5.1	44 J	< 2.9	< 4.4	17	< 3.6	< 4.6	610	610
	7/7/2021		< 4.1	< 1.9	< 3.5	< 5.1	34 J	< 2.9	< 4.4	< 9.0	< 3.6	< 4.6	12	16
	12/14/2021		< 0.22	< 0.25	1.3	< 0.2	2.6	< 0.23	< 0.3	< 0.19	< 0.28	< 0.22	6.8	6.3
	4/29/2022		< 0.22	< 0.25	< 0.2	< 0.22	< 1.3	< 0.19	< 0.3	< 0.19	< 0.28	< 0.22	18.1	20.1
PES-MW-6	10/11/2022		< 0.20	< 1.4	< 0.52	< 0.22	< 1.6	< 0.14	< 0.23	0.48 J	< 0.19	0.32 J	24	39
	4/9/2020		NA	NA	NA	NA	< 100	< 10	< 10	28 J	< 10	17	60	240
	1/18/2021		< 2.1	< 0.95	< 1.8	< 2.6	47 J	< 1.5	3.9 J	33	< 1.8	13	170	200
	4/5/2021		< 1.6	< 0.76	< 1.4	< 2	100	< 1.2	< 1.8	< 3.6	< 1.4	5.5	27	26
	7/7/2021		< 4.1	< 1.9	< 3.5	< 5.1	100	< 2.9	< 4.4	42	< 3.6	< 4.6	330	360
	12/14/2021		< 0.22	< 0.25	< 0.2	< 0.2	< 1.3	< 0.23	< 0.3	67	< 0.28	< 0.22	242	377
	4/29/2022		0.52 J	< 0.25	< 0.2	< 0.2	< 1.3	< 0.19	< 0.3	< 0.19	< 0.28	2.1	24.7	45.7
	10/11/2022		0.3 J	< 1.4	< 0.52	< 0.22	< 1.6	< 0.14	< 0.23	1.2	< 0.19	< 0.19	27	83

Legend	
< 1	Parameter not detected above the laboratory method detection limit
< 1	Indicates the laboratory method detection limit is greater than one or more applicable comparison criteria
1	Parameter reported at a concentration greater than applicable regulatory standard/criterion
1	Parameter reported above the laboratory method detection limit but below the applicable regulatory standard/criterion

Notes:

ug/L = micrograms per liter

VOCs = volatile organic compounds

NP= Non-promulgated. No applicable standard

J - indicates that the estimated value is greater than or equal to the MDL and less than the LOQ (or qualified estimated by validator)

Pre-injection samples collected on 3/27/20 by Precision Environmental Services. Results shown are detections above laboratory reporting limits. Method detection limits not available.

NYSDEC CLASS GA Criteria = Groundwater Class 'GA' Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards, Guidance Values, and Groundwater Effluent Limitations

F1 - MS and/or MSD recovery exceeds control limits

E - Reported result is estimated. Value reported over verified calibration range.



Table 5
Summary of Groundwater Sample Results
October 2022
Geochemical Parameters
222 South Ferry Street Site, Site # 447047
222 South Ferry Street, Schenectady, New York

ID:	NYSDEC CLASS GA	MW-4	MW-5					MW-6R			
Date Collected:	CRITERIA	1/15/2021	4/5/2021	7/7/2021	12/14/2021	4/28/2022	10/12/2022	7/7/2021	12/14/2021	4/28/2022	10/12/2022
Alkalinity, Total by EPA Method 8260C (mg/L)											
Alkalinity (CaCO3)	NP	314	410	430	647	362	470	538	657	798	840
Chloride and Sulfate EPA Method 300.0_28D (mg/L)											
Chloride	500	19.9	21.1	23.1	28.2	24.8	16	18	16.3	69.8	110
Sulfate	250	41.9	412	386	155	21	NA	418	< 0.11	0.17	NA
Iron & Manganese (Total and Dissolved) by EPA Method 6010C (mg/L)											
Iron (Total)	0.3	3.2	0.063	2.3	161	30.6	50	34.5	248	82.8	77
Manganese (Total)	0.6	0.37	0.088	0.14	10.5	3.23	2.0	5	10.4	5.99	5.5
Manganese (Dissolved)	0.6	0.41	0.082	0.09	NA	2.94	2.3	4.3	NA	5.32	5.0
Carbon Dioxide- Dissolved Gases (GC) by Method RSK_175_CO2 (ug/L)											
Carbon Dioxide	NP	39,000	120,000	120,000	NA	142,000	NA	160,000	NA	170,000	NA
Ethylene/Ethane/Methane- Dissolved Gases (GC) by Method RSK_175_ (ug/L)											
Ethylene	NP	< 7.5	1.8	< 1.5	5.8	3,690	19	< 1.5	6.9	< 39.1	< 3
Ethane	NP	< 7.5	< 1.5	< 1.5	1.4	5	45	< 1.5	3.0	< 34.2	21
Methane	NP	25	210	260	725	3,150	5,300	770	1,110	19,700	10,000
Sulfide by SM4500-S2-F (mg/L)											
Sulfide	0.05	< 1.0	< 0.67	< 0.67	< 0.43	< 0.43	2.8	< 0.67	< 0.43	< 0.43	2.8
Nitrate by EPA Method 353.2 (mg/L)											
Nitrate ion	10	0.06	0.48	< 0.020	< 0.037	< 0.037	< 0.042	0.029	< 0.037	< 0.037	< 0.042
Total Organic Carbon (TOC) by EPA Method 5310C (mg/L)											
Total Organic Carbon (TOC)	NP	3.3	2.6	4.2	1.13	58	49	7.3	0.754	245	140

Legend	
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Notes:
mg/L = milligrams per Liter
ug/L = micograms per Liter
VOCs = volatile organic compounds
NYSDEC CLASS GA Criteria = Groundwater Class 'GA' Technical and Operational Guidance Series
NP= Not promulgated; no applicable NYSDEC Criteria
NA= Not analyzed
J = Detected but below Reporting Limit (lowest calibration standard); therefore, results is an estimated concentration

Table 5
Summary of Groundwater Sample Results
October 2022
Geochemical Parameters
222 South Ferry Street Site, Site # 447047
222 South Ferry Street, Schenectady, New York

ID:	NYSDEC CLASS GA	MW-8							MW-10					MW-13			
Date Collected:	CRITERIA	3/27/2020	1/15/2021	4/5/2021	7/7/2021	12/14/2021	4/28/2022	10/12/2022	1/15/2021	4/5/2021	7/7/2021	4/28/2022	10/12/2022	7/7/2021	12/14/2021	4/28/2022	10/11/2022
Alkalinity, Total by EPA Method 8260C (mg/L)																	
Alkalinity (CaCO3)	NP	360	436	547	782	477	667	620	493	468	538	736	820	386	452	521	600
Chloride and Sulfate EPA Method 300.0_28D (mg/L)																	
Chloride	500	114	129	139	84.9	251	360	200	110	153	124	107	84	57.9	64.2	78.6	97
Sulfate	250	19.4	< 10	11.7	3.5	1.5	14	NA	17	3.1	< 10.0	50.3	NA	8.6	0.18	0.2	NA
Iron & Manganese (Total and Dissolved) by EPA Method 6010C (mg/L)																	
Iron (Total)	0.3	22.2	66.2	53.1	101	113	36.4	72	25	22.4	31	50.9	70	20	26	26.3	31
Manganese (Total)	0.6	2.5	4.1	5.7	5.6	6.34	4.46	6.4	1.3	1.1	1.5	5.03	3.5	0.81	1.01	1.06	1.3
Manganese (Dissolved)	0.6	2.5	4	5.1	4.8	NA	4.68	5.5	1.5	0.97	1.4	4.34	2.9	0.61	NA	0.948	1.2
Carbon Dioxide- Dissolved Gases (GC) by Method RSK_175_CO2 (µg/L)																	
Carbon Dioxide	NP	120,000	140,000	140,000	210,000	NA	133,000	NA	120,000	120,000	130,000	168,000	NA	100,000	NA	137,000	NA
Ethylene/Ethane/Methane- Dissolved Gases (GC) by Method RSK_175_ (µg/L)																	
Ethylene	NP	3,400	6,200	110	11,000	NA	3,840	< 3	86	41	170	3,530	< 3	24	< 195	< 232	< 3
Ethane	NP	320	1,000	13	1,000	NA	< 405	34	110	35	< 17	799	450	170	270	547	430
Methane	NP	490	1,500	13	2,900	NA	1,800	210	8,500	13,000	5,800	8,310	5,200	6,800	6,110	9,860	13,000
Sulfide by SM4500-S2-F (mg/L)																	
Sulfide	0.05	NA	< 1.0	< 0.67	1.2	< 0.43	< 0.43	2.8	< 1.0	< 0.67	< 0.67	< 0.43	2.8	< 0.67	< 0.43	< 0.43	1.2 J
Nitrate by EPA Method 353.2 (mg/L)																	
Nitrate ion	10	0.15	0.13	< 0.020	0.13	0.042	< 0.037	< 0.042	9.9	0.025	0.039	< 0.037	< 0.042	< 0.020	< 0.037	< 0.037	< 0.042
Total Organic Carbon (TOC) by EPA Method 5310C (mg/L)																	
Total Organic Carbon (TOC)	NP	5.1	34.1	44.3	168	0.163	43.2	220	0.089	6.2	16.4	5.3	140	6.6	72.1	6.4	150

Legend	
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1	Parameter reported above the laboratory method detection limit but below the applicable regulatory standard/criterion

Notes:

mg/L = milligrams per Liter

ug/L = micorgrams per Liter

VOCs = volatile organic compounds

NYSDEC CLASS GA Criteria = Groundwater Class 'GA' Technical and Operational Guidance Series

NP= Not promulgated; no applicable NYSDEC Criteria

NA= Not analyzed

J = Detected but below Reporting Limit (lowest calibration standard)); therefore, results is an estimated concentration



ATTACHMENT A

Low-Flow Sampling Logs





GROUNDWATER SAMPLING LOG

Site: 222 South Ferry Street

Location: 222 South Ferry Street, Schenectady, New York

Date: 10.11.2022

Personnel: John Gorman (JG)

Monitoring Well	Depth to Bottom (DTB)	Depth to Water (DTW)	Color	Odor	Sheen	Notes
MW-2*	12.81	6.41	Clear	Yes	No	1" Well
MW-5 [†]	11.89	6.37	Dark	Yes	Yes	1", Well head found under gravel, needs new cap
MW-6R [†]	14.66	6.16	Clear	Yes	Yes	2" Well
MW-8 [†]	12.44	6.17	Dark	Yes	Yes	1" Well
MW-10 [†]	16.76	9.58	Dark	No	Yes	2" Well – Stickup well likely hit by vehicle
MW-12*	13.91	6.32	Clear	Yes	Yes	2" Well, Needs new cap
MW-13 [†]	13.41	5.68	Dark	No	Yes	2" Well
MW-14	11.91	5.31	Clear	No	No	2" Well – Not being sampled
PES-MW-4*	9.40	6.24	Clear	No	No	1" Well
PES-MW-5*	12.55	6.29	Clear	Yes	Yes	1" Well
PES-MW-6*	8.89	6.31	Dark	Yes	No	1" Well

Notes: All measurements recorded in ft btoc.

* Indicates well to be sampled for VOCs only

[†] Indicates well to be sampled for VOCs and bio-remedial parameters

SAMPLE DATE: 10.11.12

TOTAL # WELLS: 1

Low-Flow Sampling Log

Client Name: NYSDEC Sample Pump: Peristaltic Pump
 Project Location: 222 South Ferry Street, Schenectady, NY Tubing Type: HDPE .17"ID x 1/4"OD
 Sampler(s): R. Lewandowski *Shawn* Monitoring Equipment: YSI Pro Series
 Well I.D. PES-mw-6 Screen Setting (ft btoc): 4 to 14
 Well Diameter (inches): 1 Tubing Intake (ft btoc): 8
 Total Depth (ft btoc): 8.89 Comments: *Fortham Dark color odor*
 Depth to Water (ft btoc): 6.31 *cleared over time, no shen*

Well Condition: Good

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity MS µS/cm	pH	ORP (mV)	Turbidity NTU
1051	-	150	11.00	4.59	2.12	6.87	-156	1000+
1054	-	150	17.37	8.69	2.07	6.87	-128	1000+
1057	-	150	16.34	10.46	2.10	6.91	-128	898
1100	-	150	15.89	10.94	2.09	6.94	-130	810
1103	-	150	15.73	11.21	2.06	6.96	-131	560
1106	-	150	15.87	11.63	2.03	6.98	-132	420
1109	-	150	16.10	11.78	2.01	7.00	-132	300
1112	-	150	16.20	11.64	2.00	7.01	-132	278
1115	-	150	16.58	11.58	1.98	7.01	-132	258
1118	-	150	16.62	11.48	1.96	7.02	-132	229 237
Sampled @ 1118								

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µS/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
1106	1109	-	150	0.6%	1.2%	0.5%	0.01	0	7.3%
1112	1115	-	150	2.3%	0.5%	1.0%	0	0	7.2%
1115	1118	-	150	0.24%	0.9%	1.0%	0.01	0	4.2% 7.4%
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1118

Reviewed By: *Shawn*

ft btoc feet below top of casing
 mL/min milliliters per minute
 µS/cm microseimens per centimeter

NTU
mg/L

Nephelometric Turbidity Units
milligrams per liter

°C Degrees Celsius
mV millivolts

Duplicate Sample

"Dup-1 36" collected here



SAMPLE DATE: 10.11.22

TOTAL # WELLS: 2

Low-Flow Sampling Log

Client Name:	NYSDEC
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Sample Pump: Peristaltic Pump

Project Location: 222 South Ferry Street, Schenectady, NY

Tubing Type: HDPE .17"ID x 1/4"OD

Sampler(s): R. Lewandowski *501w*

Monitoring Equipment: ~~YSI Pro Series~~ HANNA

Well I.D. MW-1

Screen Setting (ft btoc): 5 to 15

Well Diameter (inches):

Tubing Intake (ft btoc): 17

Total Depth (ft btoc): 6 12.81

Comments: Clear No Shivers

Depth to Water (ft btoc): 6.41

no odor

Well Condition: Good[illegible]

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

[illegible]

Recommended Stabilization	± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)	-	Y	Y	Y	N	Y	Y	Y

Sample Time: 1221

Reviewed By: _____

ft btoc	feet below top of casing
ml/min	milliliters per minute
μs/cm	microseimons per centimeter

NTU	Nephelometric Turbidity Units	°C	Degrees Celsius
mg/l	milligrams per liter	mv	millivolts

MS/MSD collected here



SAMPLE DATE: 10.11.2022

TOTAL # WELLS: 3

Low-Flow Sampling Log

Client Name:	NYSDEC
--------------	--------

Sample Pump: Peristaltic Pump

Project Location: 222 South Ferry Street, Schenectady, NY

Tubing Type: HDPE .17"ID x 1/4"OD

Sampler(s): B. Lewandowski Zohn

Monitoring Equipment: YSI Pro Series *Model BA*

Well I.D.	PGS-MW-4
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Screen Setting (ft btoc): 5 to 10

Well Diameter (inches):

Tubing Intake (ft btoc): 9

Total Depth (ft btoc): 9.40

Comments: *closed out quick no sleep*

Depth to Water (ft btoc): 0.24

no order

Well Condition: Good[illegible]

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

[illegible]

Recommended Stabilization	± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
---------------------------	-------	---------	------	-------	------	-------	------	-------

Stabilization: (Yes/No)	-	y	y	N	y	y	y	N
----------------------------	---	---	---	---	---	---	---	---

Sample Time: 1310

Reviewed By: _____

ft btoc	feet below top of casing
ml/min	milliliters per minute
μs/cm	microseimons per centimeter

NTU	Nephelometric Turbidity Units	°C	Degrees Celsius
mg/l	milligrams per liter	mv	millivolts

Low-Flow Sampling Log

Client Name: NYSDEC Sample Pump: Peristaltic Pump
 Project Location: 222 South Ferry Street, Schenectady, NY Tubing Type: HDPE .17"ID x 1/4"OD
 Sampler(s): R. Lewandowski SB Monitoring Equipment: YSI Pro Series

Well I.D. PES-MW-5 Screen Setting (ft btoc): 8 to 13
 Well Diameter (inches): 1 Tubing Intake (ft btoc): 12
 Total Depth (ft btoc): 12.55 Comments: Clear, Shallow, odor
 Depth to Water (ft btoc): 6.29

Well Condition: Crockett manhole cover

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity MS µS/cm	pH	ORP (mV)	Turbidity NTU
1332	—	150	25.00	0.54	1.79	6.82	-131	353
1335	—	150	24.94	0.37	1.83	6.79	-153	147
1338	—	150	24.02	0.36	1.91	6.77	-163	40.8
1342	—	150	24.17	0.35	1.89	6.76	-147	37.3
1345	—	150	24.30	0.39	1.89	6.77	-170	37.4

Sample @ 1345

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µS/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
1335	1338	—	150	3%	2.8%	4.4%	0.02	10	72%
1338	1342	—	150	0.62%	2.8%	1.0%	0.01	4	8.6%
1342	1345	—	150	0.54%	1.4%	0%	0.01	3	0.8%

Recommended Stabilization	± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)	—	y	y	y	N	y	y	N

Sample Time: 1345

Reviewed By: 39

ft btoc feet below top of casing NTU Nephelometric Turbidity Units °C Degrees Celsius
 mL/min milliliters per minute mg/L milligrams per liter mV millivolts
 µS/cm microseimens per centimeter

Low-Flow Sampling Log

SAMPLE DATE: 10.11.2022

TOTAL # WELLS: 5

Monitoring Equipment: YSI Pro Series Model 19A

color, Shoen

NTU	Nephelometric Turbidity Units	°C	Degrees Celsius
mg/l	milligrams per liter	mv	millivolts



SAMPLE DATE: 10.11.22

Low-Flow Sampling Log

TOTAL # WELLS: 6

Client Name: NYSDEC

Sample Pump: Peristaltic Pump

Project Location: 222 South Ferry Street, Schenectady, NY

Tubing Type: HDPE .17"ID x 1/4"OD

Sampler(s): R. Lowandowski - 36

Monitoring Equipment: YSI Pro Series 4000A

Well I.D. MW-13

Screen Setting (ft btoc): 5 to 15

Well Diameter (inches): 2

Tubing Intake (ft btoc): 13

Total Depth (ft btoc): 13.41

Comments: Shallow, dark, no odor

Depth to Water (ft btoc): 5.65

Well Condition:

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity MS µS/cm	pH	ORP (mV)	Turbidity NTU
1452	5.79	150	23.07	0.74	1.38	7.00	-75	165
1455	5.82	150	23.39	0.45	1.34	6.79	-103	112
1458	5.83	150	23.44	0.39	1.31	6.75	-110	87.9
1501	5.83	150	23.46	0.36	1.29	6.72	-114	41.9
1504	5.83	150	23.38	0.35	1.21	6.70	-116	28.4
1507	5.83	150	23.33	0.33	1.29	6.69	-118	13.7

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µS/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
1458	1501	0	150	0.09%	7.7%	1.5%	0.03	4	52.3%
1501	1504	0	150	0.34%	2.8%	0%	0.02	2	32.2%
1504	1507	0	150	0.21%	5.7%	0%	0.01	2	51.8%

Recommended Stabilization	± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
------------------------------	-------	---------	------	-------	------	-------	------	-------

Stabilization: (Yes/No)	y	y	y	y	y	y	y	N
----------------------------	---	---	---	---	---	---	---	---

Sample Time: 1507

Reviewed By: J. J. J.

ft btoc feet below top of casing
 mL/min milliliters per minute
 µS/cm microseimens per centimeter

NTU
mg/l

Nephelometric Turbidity Units
milligrams per liter

°C Degrees Celsius
mv millivolts

SAMPLE DATE: 10.12.22

TOTAL # WELLS: 7

Low-Flow Sampling Log

Client Name: NYSDEC

Sample Pump: Peristaltic Pump

Project Location: 222 South Ferry Street, Schenectady, NY

Tubing Type: HDPE .17"ID x 1/4"OD

Sampler(s): R. Lewandowski SG

Monitoring Equipment: YSI Pro Series

Well I.D.: MW-10

Screen Setting (ft btoc): 5 to 15

Well Diameter (inches): 2

Tubing Intake (ft btoc): 16

Total Depth (ft btoc): 16.76

Comments: Shcen, slightly murky,

Depth to Water (ft btoc): 9.86

no odor

Well Condition:

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity mS µS/cm	pH	ORP (mV)	Turbidity NTU
822	9.62	150	18.57	0.82	1.66	6.82	-130	788
825	9.62	150	18.53	0.71	1.67	6.81	-146	461
828	9.62	150	18.44	0.63	1.68	6.81	-153	166
831	9.67	150	18.39	0.67	1.69	6.81	-157	170
834	9.68	150	18.29	0.64	1.70	6.80	-161	158
837	9.69	150	18.25	0.62	1.70	6.80	-165	149

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µS/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
828	831	105	150	0.27%	6.3%	0.59%	0	4	2.4%
831	834	101	150	0.54%	4.5%	0.59%	0.01	4	7.1%
834	837	101	150	0.22%	3.1%	0%	0	4	5.7%

Recommended Stabilization	± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
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Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y
----------------------------	---	---	---	---	---	---	---	---

Sample Time: 837

Reviewed By: SG

ft btoc

feet below top of casing

NTU

Nephelometric Turbidity Units

°C

Degrees Celsius

mL/min

milliliters per minute

mg/L

milligrams per liter

mV

millivolts

µS/cm

microseimens per centimeter

PAGE: 1 OF 1

SAMPLE DATE: 10.12.22

TOTAL # WELLS: 8

Client Name:	NYSDEC
Project Location:	222 South Ferry Street, Schenectady, NY
Sampler(s):	R. Lewandowski <i>82</i>

Tubing Type: HDPE .17"ID x 1/4"OD

Monitoring Equipment: YSI Pro Series *Vol 183*

Screen Setting (ft btoc): to

Tubing Intake (ft btoc): 12

Comments: *mdr*

well run dry after 6 min

Well Condition:

[illegible]

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µS/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
939	942	-	100	0.7%	2.3%	2.9%	.02	19	25.1%
942	945	-	100	1.4%	6.3%	0%	.03	7	22.7%
945	948	-	100	1.3%	2.7%	1.4%	.04	0	5.5%
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		y	y	y	y	y	y	n	n

Sample Time: 948

Reviewed By:

ft bloc	feet below top of casing
ml/min	milliliters per minute
μ s/cm	microseimons per centimeter

NTU	Nephelometric Turbidity Units	°C	Degrees Celsius
mg/l	milligrams per liter	mv	millivolts



PAGE: 1 OF 1

SAMPLE DATE: 10.12.22

TOTAL # WELLS: 9

Client Name:	NYSDEC	Sample Pump:	Peristaltic Pump
Project Location:	222 South Ferry Street, Schenectady, NY	Tubing Type:	HDPE .17"ID x 1/4"OD
Sampler(s):	R. Lewandowski John Gorman	Monitoring Equipment:	YSI Pro-Series 460 184
Well I.D.	MW-5	Screen Setting (ft btoc):	— to —
Well Diameter (inches):	1	Tubing Intake (ft btoc):	11
Total Depth (ft btoc):	11.89	Comments:	Ran dry after 3 min
Depth to Water (ft btoc):	6.37		odor

Well Condition: Good[illegible]

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
—	—	—	—	—	—	—	—	—	—
		Well ran dry multiple times, collect w/out stabilization parameters							
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)									

Sample Time: 1300

Reviewed By: 36

ft btoc	feet below top of casing
ml/min	milliliters per minute
μs/cm	microseimons per centimeter

NTU	Nephelometric Turbidity Units	°C	Degrees Celsius
mg/l	milligrams per liter	mV	millivolts



SAMPLE DATE: 10.12.22

TOTAL # WELLS: 10

Low-Flow Sampling Log

Client Name:	NYSDEC
--------------	--------

Sample Pump: Peristaltic Pump

Project Location: 222 South Ferry Street, Schenectady, NY

Tubing Type: HDPE .17"ID x 1/4"OD

Sampler(s): ~~R. Lewandowski~~ John Gorman

Monitoring Equipment: YSI Pro Series

Well I.D. mmw-6R

Screen Setting (ft btoc): 5 to 15

Well Diameter (inches): 2"

Tubing Intake (ft btoc): 14

Total Depth (ft btoc): 14.66

Comments: Shen clew

Depth to Water (ft btoc): 6.15

0000

Well Condition: Good[illegible]

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

[illegible]

Recommended Stabilization	± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
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Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y
----------------------------	---	---	---	---	---	---	---	---

Sample Time: 1215

Reviewed By: 36

ft btoc	feet below top of casing
ml/min	milliliters per minute
μ s/cm	microseimons per centimeter

NTU	Nephelometric Turbidity Units	°C	Degrees Celsius
mg/l	milligrams per liter	mv	millivolts

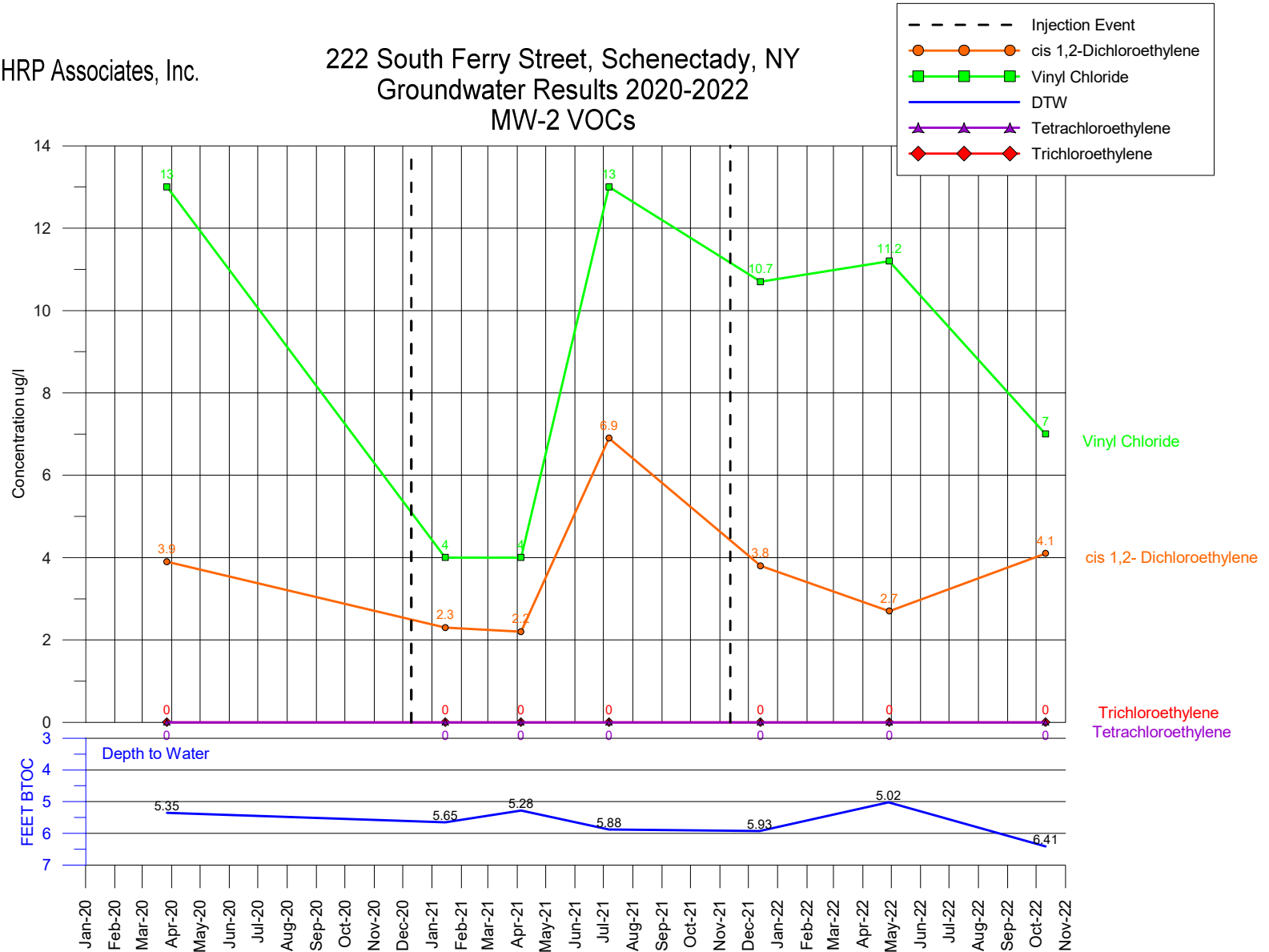
ATTACHMENT B

VOC and Depth to Water Graphs

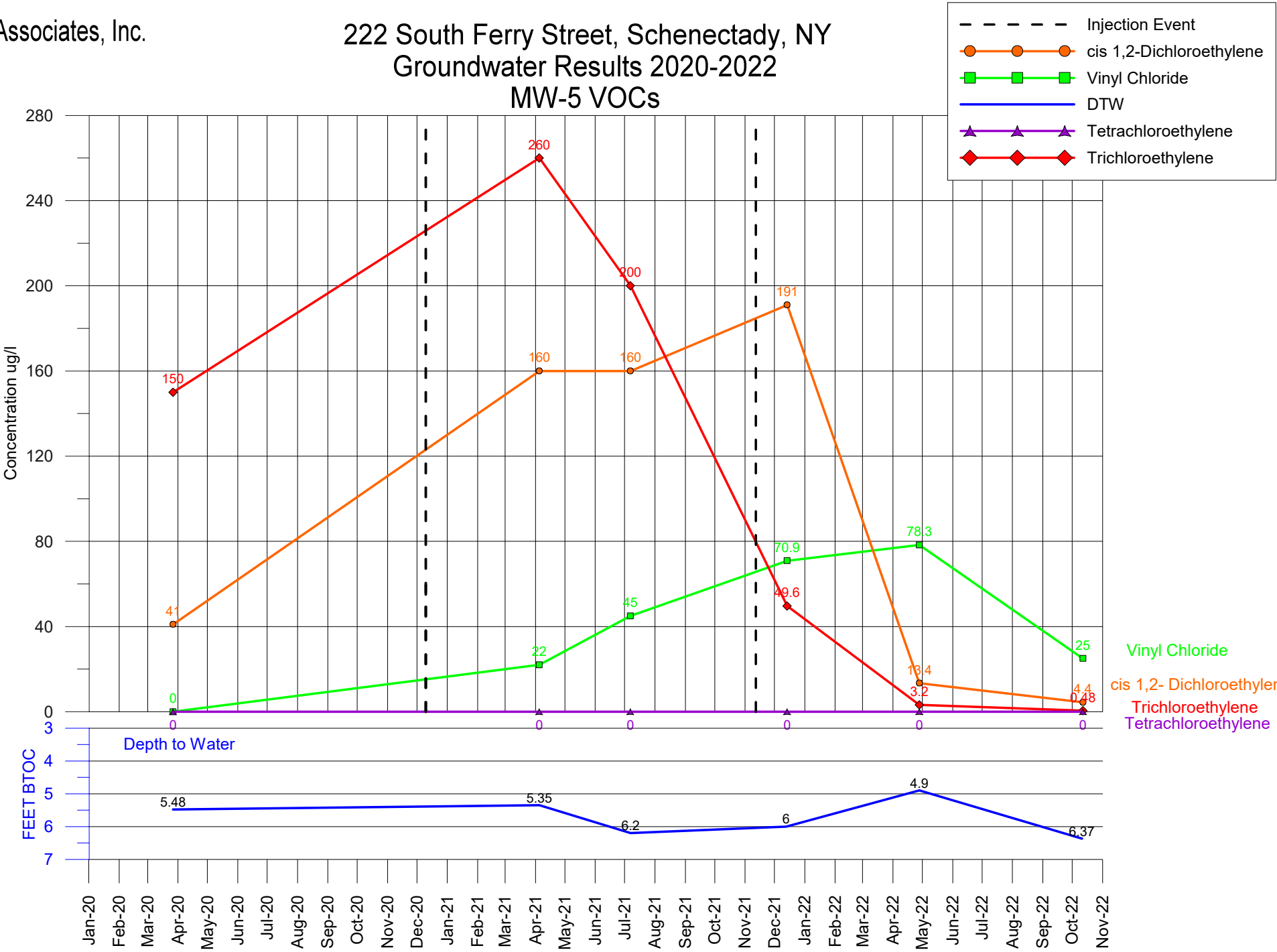


HRP Associates, Inc.

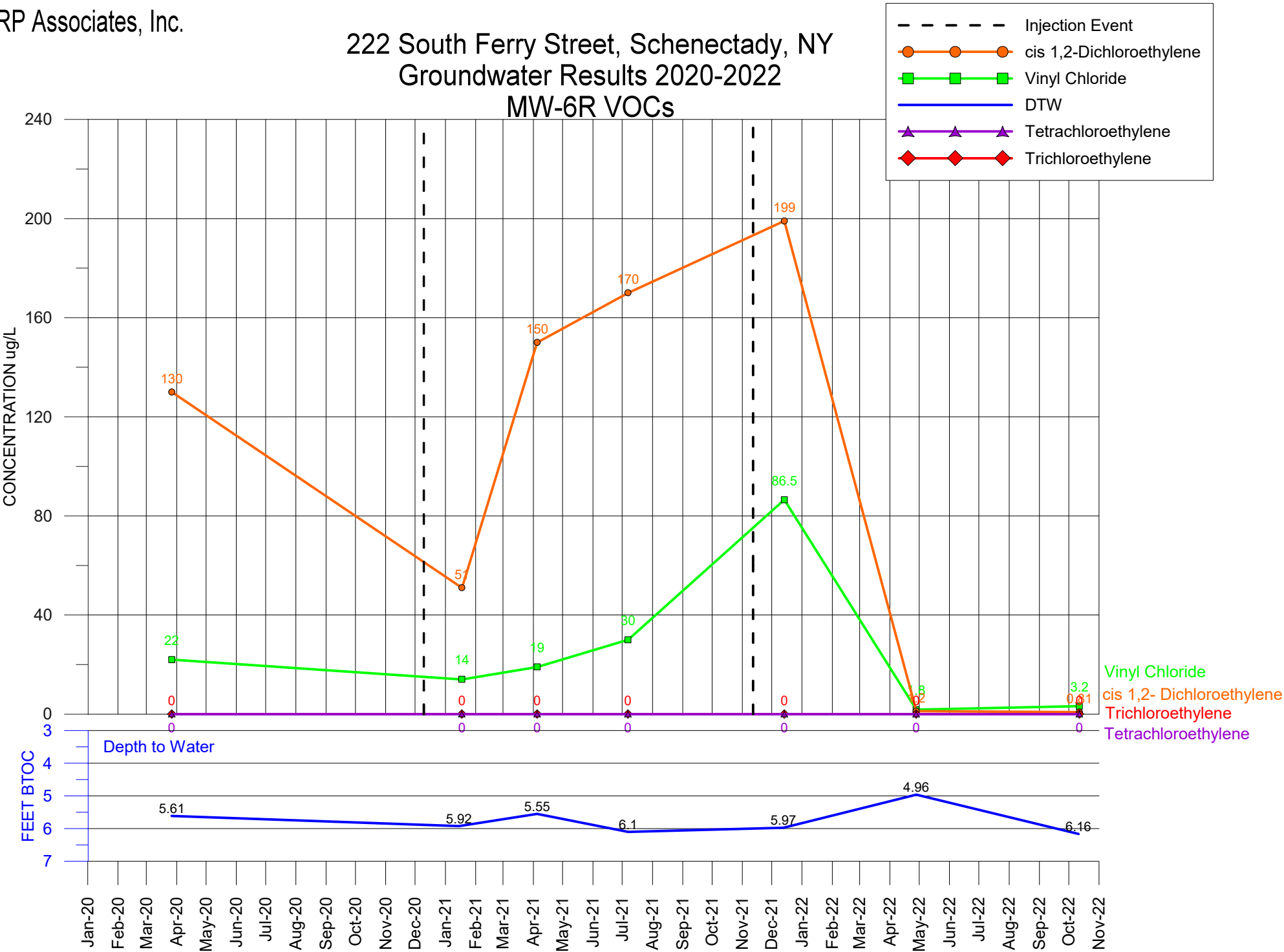
222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2022
MW-2 VOCs



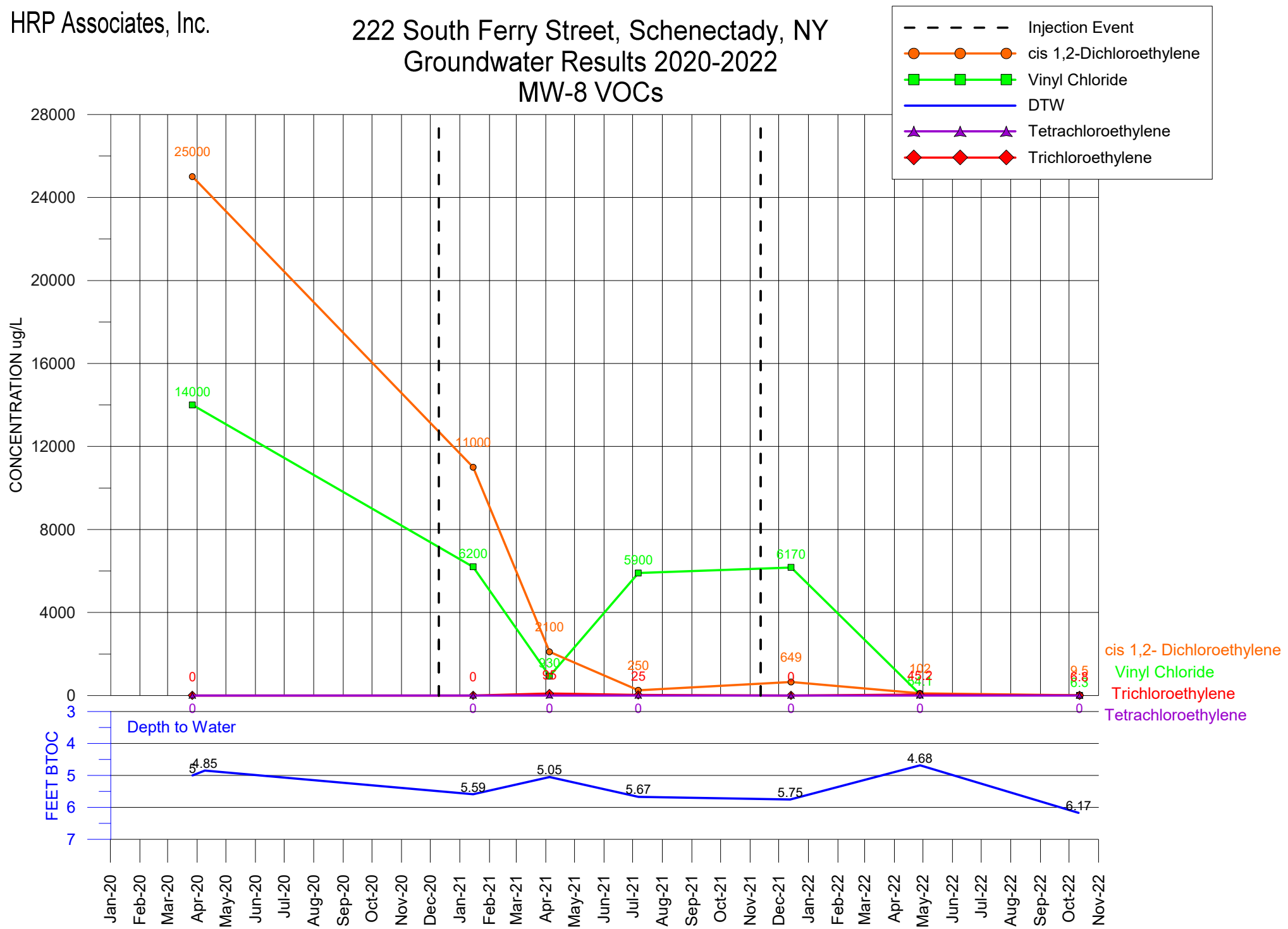
222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2022
MW-5 VOCs



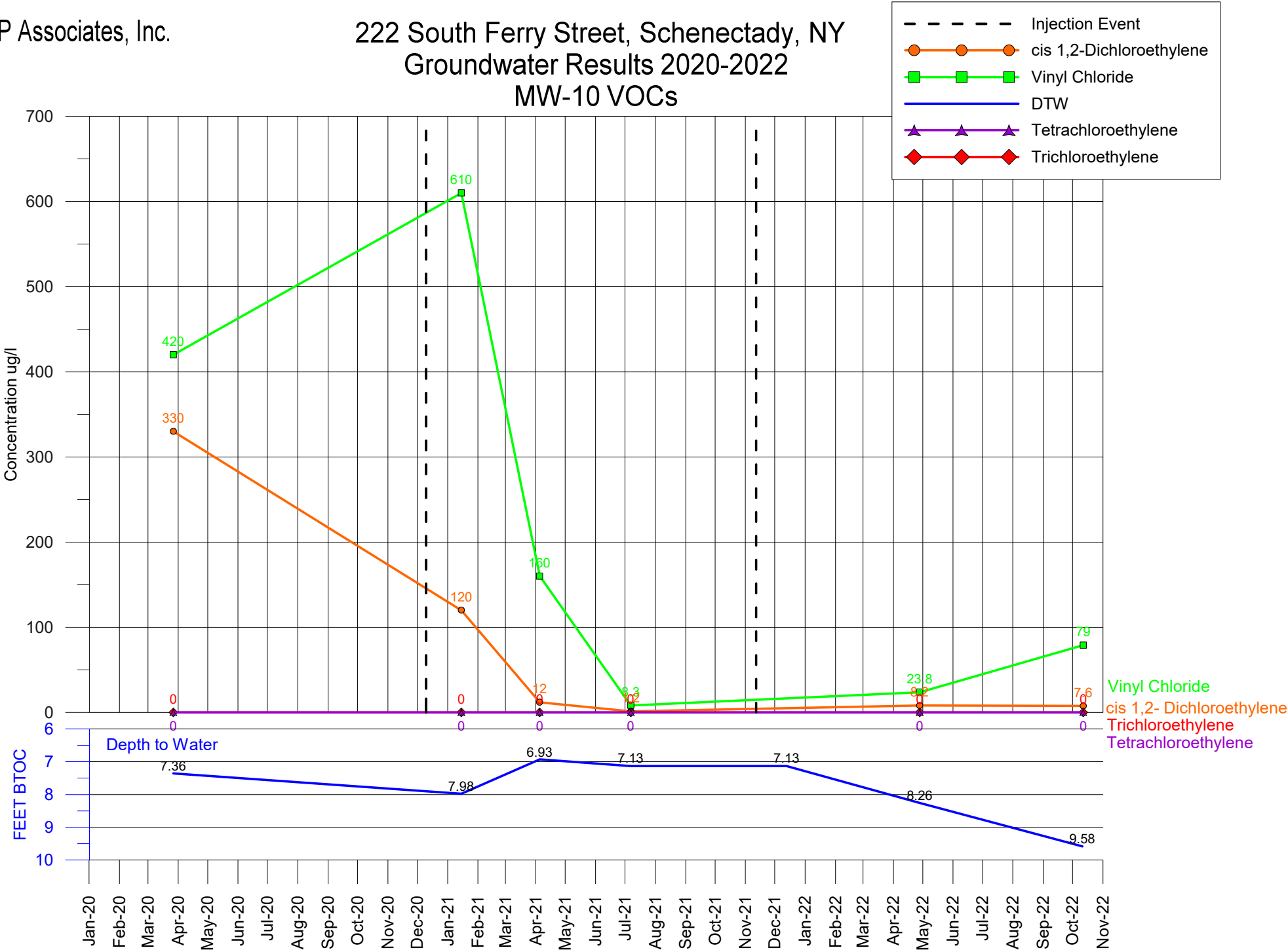
222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2022
MW-6R VOCs



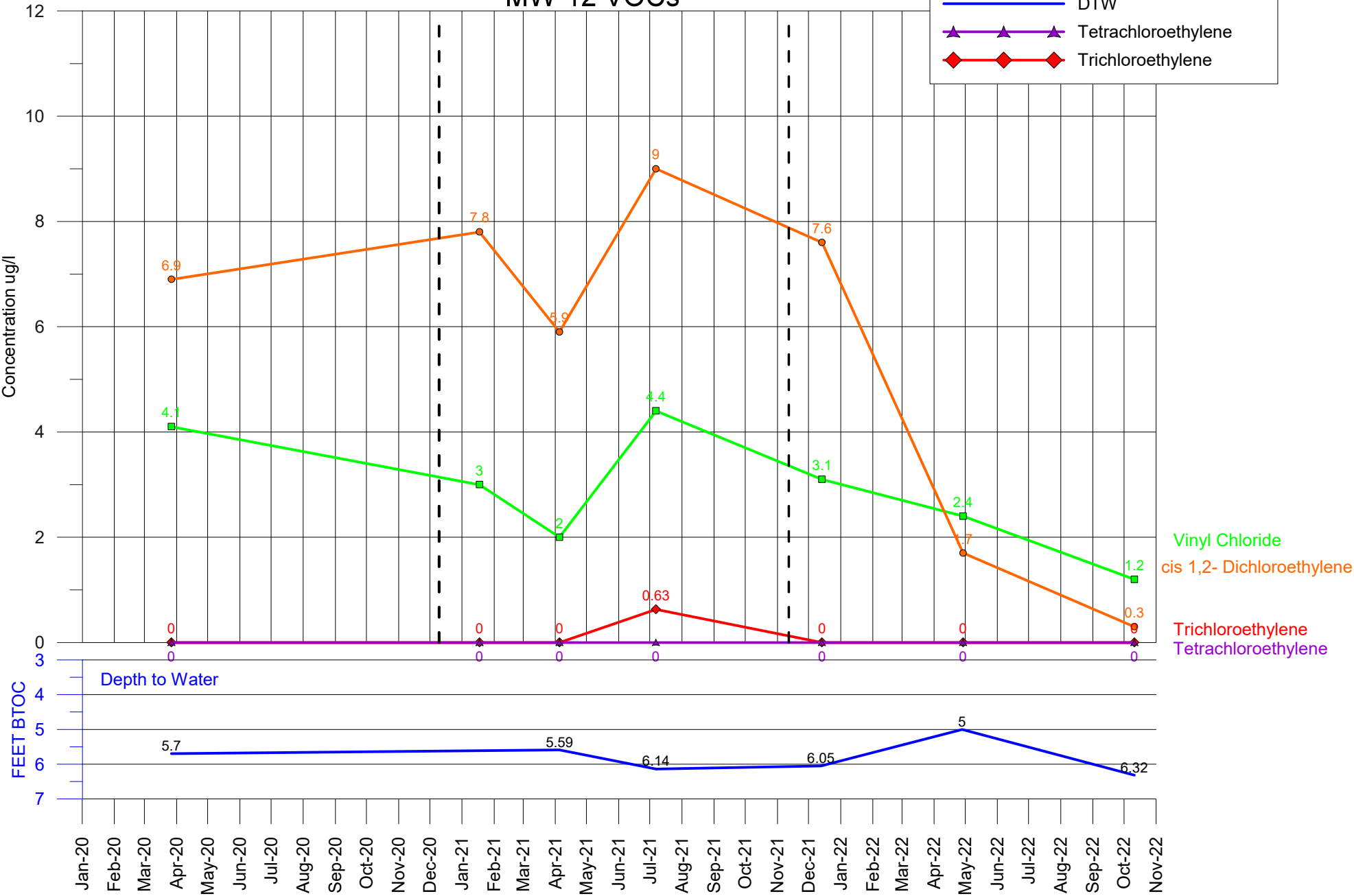
222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2022
MW-8 VOCs



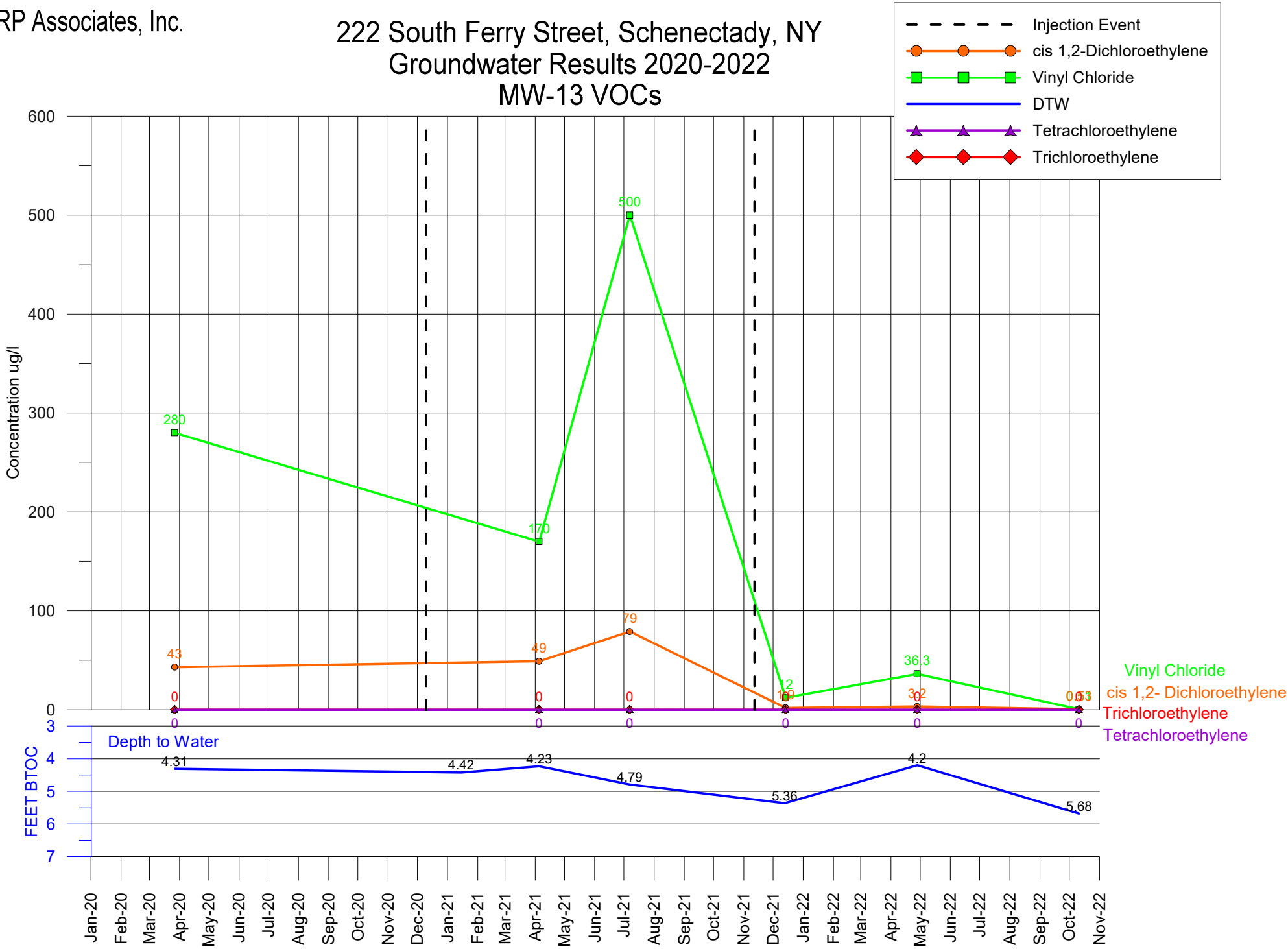
222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2022
MW-10 VOCs



222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2022
MW-12 VOCs

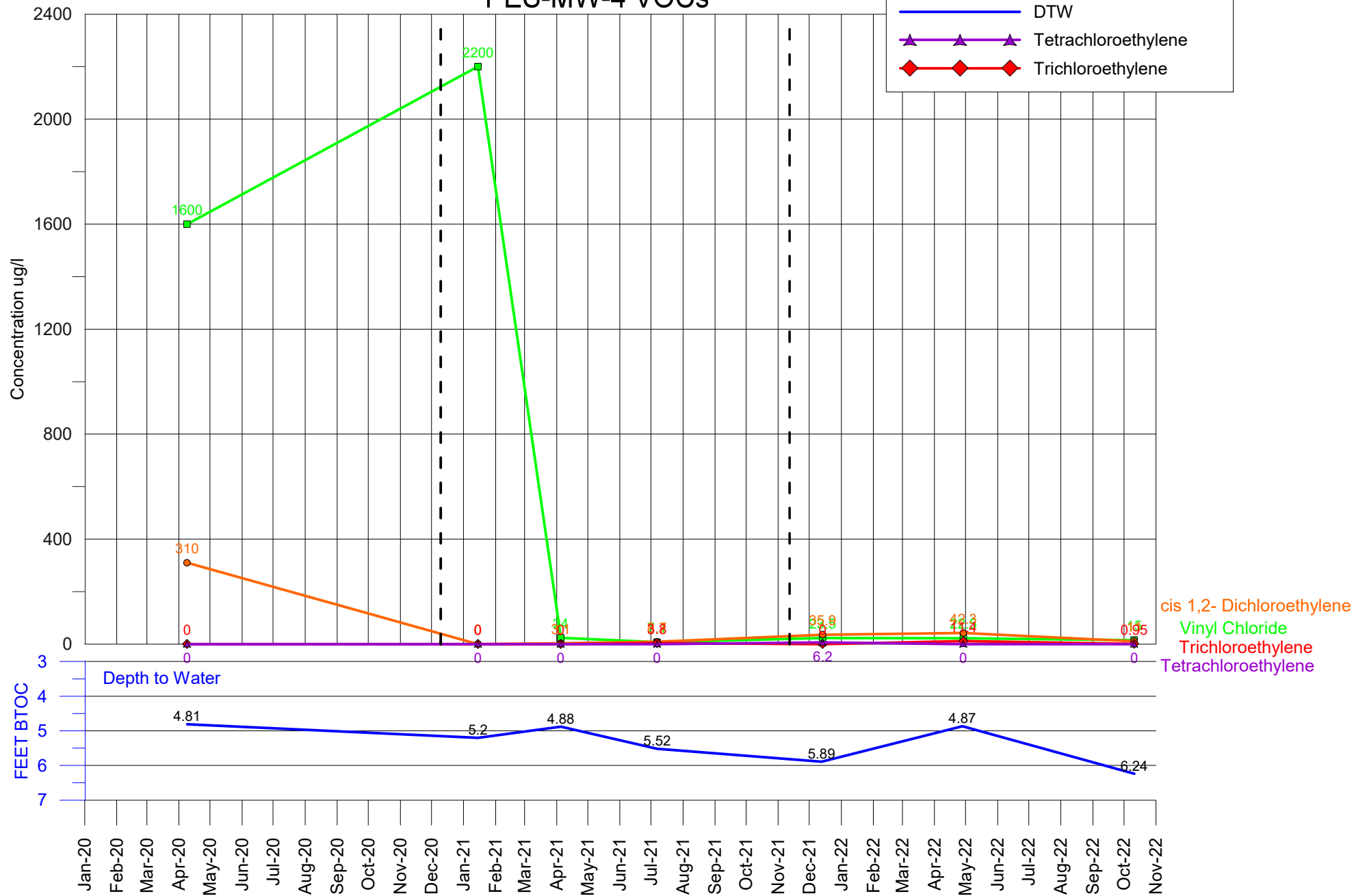


222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2022
MW-13 VOCs



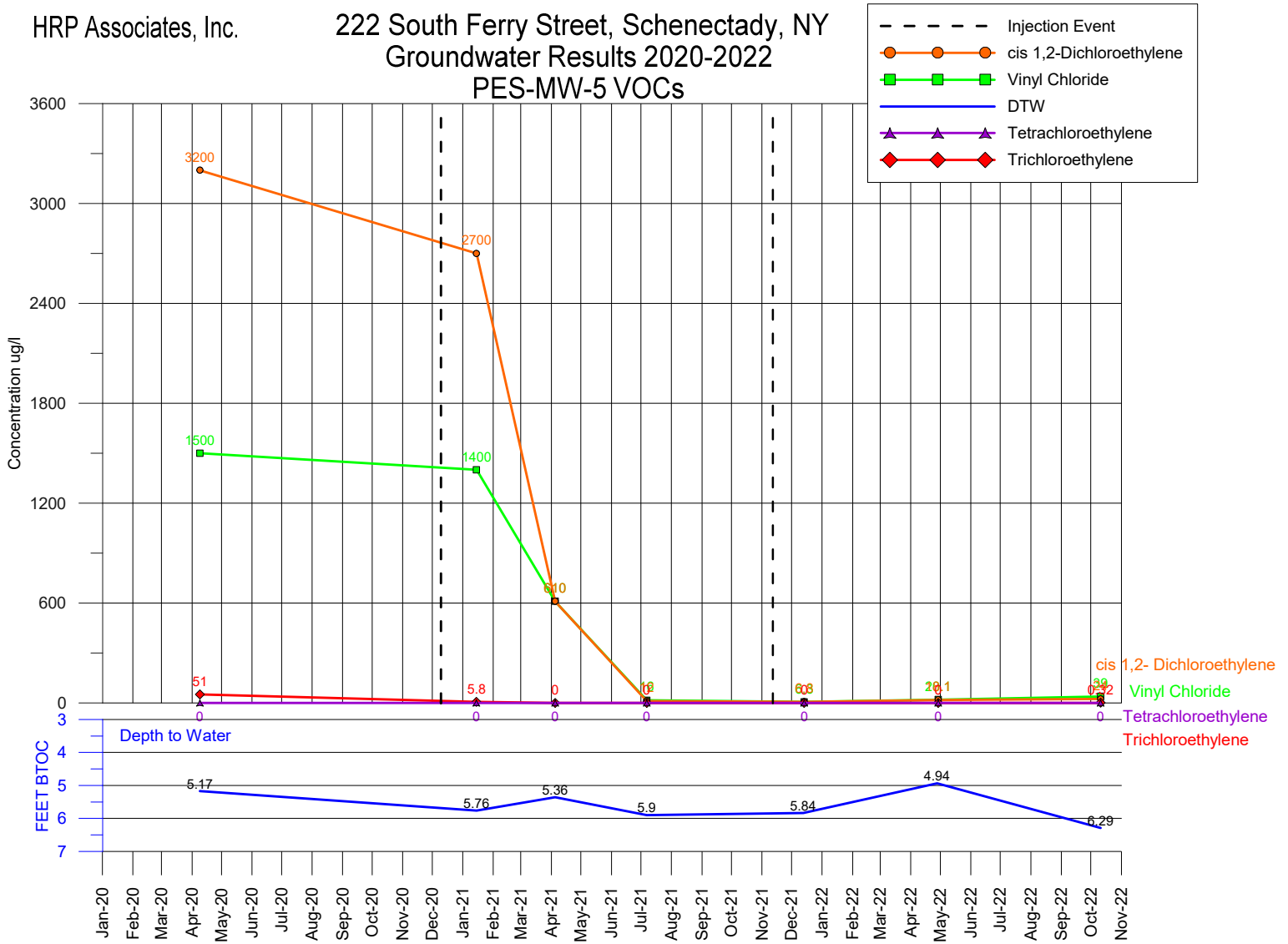
HRP Associates, Inc.

222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2022
PES-MW-4 VOCs

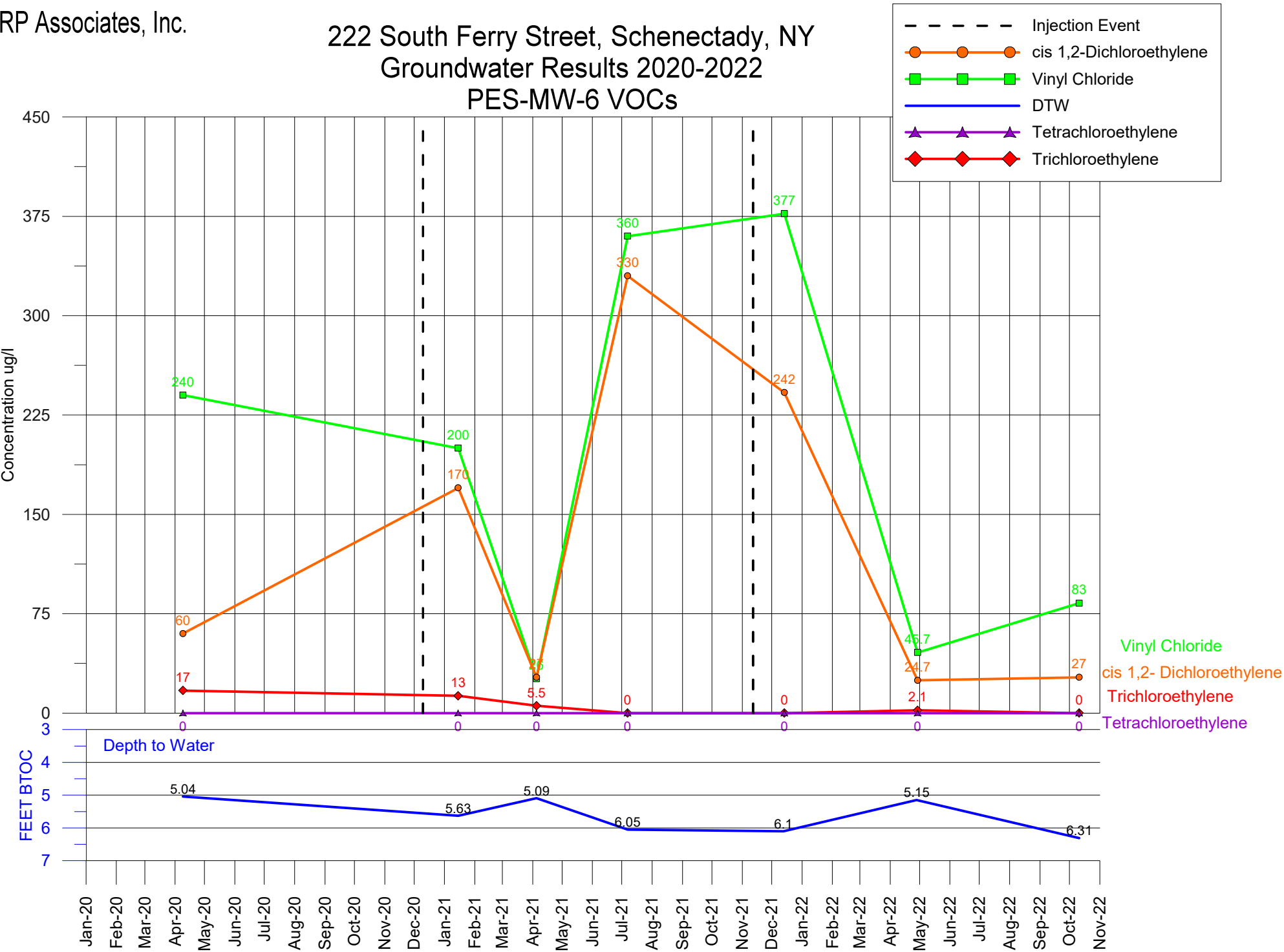


HRP Associates, Inc.

222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2022
PES-MW-5 VOCs



222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2022
PES-MW-6 VOCs



ATTACHMENT C

Laboratory Analytical Report



October 25, 2022

Mark Wright
NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

Project Location: 222 South Ferry St, Schenectady, NY
Client Job Number:
Project Number: 447047
Laboratory Work Order Number: 22J1895

Enclosed are results of analyses for samples as received by the laboratory on October 13, 2022. 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_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Mark Wright

REPORT DATE: 10/25/2022

PURCHASE ORDER NUMBER: 141723

PROJECT NUMBER: 447047

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J1895

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

PROJECT LOCATION: 222 South Ferry St, Schenectady, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
10.12.22 MW-10	22J1895-01	Ground Water		EPA 300.0 RSK175 SM 21-23 5310B SM21-23 2320B SM21-23 4500S-F SW-846 6010D SW-846 8260D	
10.12.22 MW-8	22J1895-02	Ground Water		EPA 300.0 RSK175 SM 21-23 5310B SM21-23 2320B SM21-23 4500S-F SW-846 6010D SW-846 8260D	
10.12.22 MW-6R	22J1895-03	Ground Water		EPA 300.0 RSK175 SM 21-23 5310B SM21-23 2320B SM21-23 4500S-F SW-846 6010D SW-846 8260D	
10.12.22 MW-5	22J1895-04	Ground Water		EPA 300.0 RSK175 SM 21-23 5310B SM21-23 2320B SM21-23 4500S-F SW-846 6010D SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

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

SM21-23 2320B**Qualifications:****PR-18**

Headspace present in sample container.

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

22J1895-01[10.12.22 MW-10], 22J1895-02[10.12.22 MW-8], 22J1895-03[10.12.22 MW-6R], 22J1895-04[10.12.22 MW-5]

SW-846 8260D**Qualifications:****E**

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:**Vinyl Chloride**

22J1895-01[10.12.22 MW-10]

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethane**

B320021-BS1, B320021-BSD1, S078006-CCV1

Bromomethane

B320021-BS1, B320021-BSD1, S078006-CCV1

Methyl Acetate

B320021-BS1, B320021-BSD1, S078006-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:**Carbon Disulfide**

22J1895-02[10.12.22 MW-8], B320021-BS1, B320021-BSD1, S078006-CCV1

trans-1,2-Dichloroethylene

22J1895-01[10.12.22 MW-10], 22J1895-03[10.12.22 MW-6R], 22J1895-04[10.12.22 MW-5], B320021-BS1, B320021-BSD1, S078006-CCV1

Vinyl Chloride

22J1895-01[10.12.22 MW-10], 22J1895-02[10.12.22 MW-8], 22J1895-03[10.12.22 MW-6R], 22J1895-04[10.12.22 MW-5], B320021-BS1, B320021-BSD1, S078006-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:**Carbon Disulfide**

22J1895-02[10.12.22 MW-8], B320021-BS1, B320021-BSD1, S078006-CCV1

Vinyl Chloride

22J1895-01[10.12.22 MW-10], 22J1895-02[10.12.22 MW-8], 22J1895-03[10.12.22 MW-6R], 22J1895-04[10.12.22 MW-5], B320021-BS1, B320021-BSD1, S078006-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:**Bromomethane**

B320021-BS1, B320021-BSD1, S078006-CCV1

Chloromethane

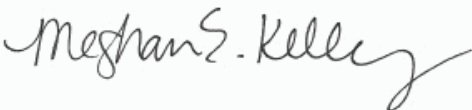
B320021-BS1, B320021-BSD1, S078006-CCV1

Methyl Acetate

B320021-BS1, B320021-BSD1, S078006-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: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-10

Sampled: 10/12/2022 08:37

Sample ID: 22J1895-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
cis-1,2-Dichloroethylene	7.6	1.0	0.15	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
trans-1,2-Dichloroethylene	0.34	1.0	0.17	µg/L	1	L-06, J	SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-10

Sampled: 10/12/2022 08:37

Sample ID: 22J1895-01

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
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Vinyl Chloride	79	2.0	0.21	µg/L	1	E, L-06, V-06	SW-846 8260D	10/14/22	10/14/22 18:59	EEH
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 18:59	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	109		70-130				10/14/22 18:59			
Toluene-d8	101		70-130				10/14/22 18:59			
4-Bromofluorobenzene	96.2		70-130				10/14/22 18:59			

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-10

Sampled: 10/12/2022 08:37

Sample ID: 22J1895-01

Sample Matrix: Ground Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethane	0.45	0.014	0.0026	mg/L	1		RSK175	10/20/22	10/20/22 14:35	TPH
Ethene	ND	0.017	0.0030	mg/L	1		RSK175	10/20/22	10/20/22 14:35	TPH
Methane	5.2	0.0070	0.0012	mg/L	1		RSK175	10/20/22	10/20/22 14:35	TPH

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-10

Sampled: 10/12/2022 08:37

Sample ID: 22J1895-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	70	0.050	0.019	mg/L	1		SW-846 6010D	10/14/22	10/16/22 18:35	ATP
Manganese	3.5	0.010	0.0017	mg/L	1		SW-846 6010D	10/14/22	10/16/22 18:35	ATP

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-10

Sampled: 10/12/2022 08:37

Sample ID: 22J1895-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	2.2	0.050	0.019	mg/L	1		SW-846 6010D	10/14/22	10/14/22 22:54	QNW
Manganese	2.9	0.010	0.0017	mg/L	1		SW-846 6010D	10/14/22	10/14/22 22:54	QNW

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-10

Sampled: 10/12/2022 08:37

Sample ID: 22J1895-01

Sample Matrix: Ground Water

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	820	1.0	0.65	mg/L	1	PR-18	SM21-23 2320B	10/19/22	10/19/22 12:51	DET
Chloride	84	5.0	2.8	mg/L	5		EPA 300.0	10/19/22	10/19/22 19:45	EC
Nitrate as N	ND	0.10	0.042	mg/L	1		EPA 300.0	10/13/22	10/13/22 22:26	NRH
Sulfide	2.8	2.0	1.1	mg/L	1		SM21-23 4500S-F	10/18/22	10/18/22 15:05	DRA
Total Organic Carbon	140	10	5.4	mg/L	10		SM 21-23 5310B	10/21/22	10/21/22 13:25	IS

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-8

Sampled: 10/12/2022 09:48

Sample ID: 22J1895-02

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	30	50	2.0	µg/L	1	J	SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Benzene	0.61	1.0	0.20	µg/L	1	J	SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
2-Butanone (MEK)	19	20	1.6	µg/L	1	J	SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Carbon Disulfide	3.6	5.0	1.4	µg/L	1	L-06, V-06, J	SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Chloroethane	3.8	2.0	0.32	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
cis-1,2-Dichloroethylene	9.5	1.0	0.15	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Toluene	2.1	1.0	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Trichloroethylene	6.8	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-8

Sampled: 10/12/2022 09:48

Sample ID: 22J1895-02

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
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Vinyl Chloride	6.3	2.0	0.21	µg/L	1	L-06, V-06	SW-846 8260D	10/14/22	10/14/22 19:27	EEH
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:27	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	110		70-130				10/14/22 19:27			
Toluene-d8	99.7		70-130				10/14/22 19:27			
4-Bromofluorobenzene	97.8		70-130				10/14/22 19:27			

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-8

Sampled: 10/12/2022 09:48

Sample ID: 22J1895-02

Sample Matrix: Ground Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethane	0.034	0.014	0.0026	mg/L	1		RSK175	10/20/22	10/20/22 14:44	TPH
Ethene	ND	0.017	0.0030	mg/L	1		RSK175	10/20/22	10/20/22 14:44	TPH
Methane	0.21	0.0070	0.0012	mg/L	1		RSK175	10/20/22	10/20/22 14:44	TPH

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-8

Sampled: 10/12/2022 09:48

Sample ID: 22J1895-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	72	0.050	0.019	mg/L	1		SW-846 6010D	10/14/22	10/16/22 18:41	ATP
Manganese	6.4	0.010	0.0017	mg/L	1		SW-846 6010D	10/14/22	10/16/22 18:41	ATP

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-8

Sampled: 10/12/2022 09:48

Sample ID: 22J1895-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	13	0.050	0.019	mg/L	1		SW-846 6010D	10/14/22	10/14/22 23:00	QNW
Manganese	5.5	0.010	0.0017	mg/L	1		SW-846 6010D	10/14/22	10/14/22 23:00	QNW

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-8

Sampled: 10/12/2022 09:48

Sample ID: 22J1895-02

Sample Matrix: Ground Water

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	620	1.0	0.65	mg/L	1	PR-18	SM21-23 2320B	10/19/22	10/19/22 13:17	DET
Chloride	200	10	5.6	mg/L	10		EPA 300.0	10/19/22	10/19/22 20:07	EC
Nitrate as N	ND	0.10	0.042	mg/L	1		EPA 300.0	10/13/22	10/13/22 23:33	NRH
Sulfide	2.8	2.0	1.1	mg/L	1		SM21-23 4500S-F	10/18/22	10/18/22 15:05	DRA
Total Organic Carbon	220	10	5.4	mg/L	10		SM 21-23 5310B	10/21/22	10/21/22 13:42	IS

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-6R

Sampled: 10/12/2022 12:15

Sample ID: 22J1895-03

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	4.0	50	2.0	µg/L	1	J	SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Benzene	0.31	1.0	0.20	µg/L	1	J	SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
cis-1,2-Dichloroethylene	0.81	1.0	0.15	µg/L	1	J	SW-846 8260D	10/14/22	10/14/22 19:54	EEH
trans-1,2-Dichloroethylene	1.5	1.0	0.17	µg/L	1	L-06	SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Toluene	0.39	1.0	0.22	µg/L	1	J	SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-6R

Sampled: 10/12/2022 12:15

Sample ID: 22J1895-03

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
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Vinyl Chloride	3.2	2.0	0.21	µg/L	1	L-06, V-06	SW-846 8260D	10/14/22	10/14/22 19:54	EEH
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 19:54	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	111		70-130				10/14/22 19:54			
Toluene-d8	101		70-130				10/14/22 19:54			
4-Bromofluorobenzene	95.4		70-130				10/14/22 19:54			

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-6R

Sampled: 10/12/2022 12:15

Sample ID: 22J1895-03

Sample Matrix: Ground Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethane	0.021	0.014	0.0026	mg/L	1		RSK175	10/20/22	10/20/22 15:04	TPH
Ethene	ND	0.017	0.0030	mg/L	1		RSK175	10/20/22	10/20/22 15:04	TPH
Methane	10	0.035	0.0060	mg/L	5		RSK175	10/20/22	10/20/22 15:16	TPH

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-6R

Sampled: 10/12/2022 12:15

Sample ID: 22J1895-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	77	0.050	0.019	mg/L	1		SW-846 6010D	10/14/22	10/16/22 18:58	ATP
Manganese	5.5	0.010	0.0017	mg/L	1		SW-846 6010D	10/14/22	10/16/22 18:58	ATP



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

Project Location: 222 South Ferry St, Schenectady, Sample Description: Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-6R

Sampled: 10/12/2022 12:15

Sample ID: 22J1895-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	18	0.050	0.019	mg/L	1		SW-846 6010D	10/14/22	10/14/22 23:06	QNW
Manganese	5.0	0.010	0.0017	mg/L	1		SW-846 6010D	10/14/22	10/14/22 23:06	QNW

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-6R

Sampled: 10/12/2022 12:15

Sample ID: 22J1895-03

Sample Matrix: Ground Water

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	840	1.0	0.65	mg/L	1	PR-18	SM21-23 2320B	10/19/22	10/19/22 14:00	DET
Chloride	110	5.0	2.8	mg/L	5		EPA 300.0	10/19/22	10/19/22 20:29	EC
Nitrate as N	ND	0.10	0.042	mg/L	1		EPA 300.0	10/13/22	10/13/22 23:55	NRH
Sulfide	2.8	2.0	1.1	mg/L	1		SM21-23 4500S-F	10/18/22	10/18/22 15:05	DRA
Total Organic Carbon	140	10	5.4	mg/L	10		SM 21-23 5310B	10/21/22	10/21/22 13:59	IS

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-5

Sampled: 10/12/2022 13:00

Sample ID: 22J1895-04

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	33	50	2.0	µg/L	1	J	SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
2-Butanone (MEK)	29	20	1.6	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
cis-1,2-Dichloroethylene	4.4	1.0	0.15	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
trans-1,2-Dichloroethylene	1.9	1.0	0.17	µg/L	1	L-06	SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Toluene	0.66	1.0	0.22	µg/L	1	J	SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Trichloroethylene	0.48	1.0	0.19	µg/L	1	J	SW-846 8260D	10/14/22	10/14/22 20:22	EEH

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-5

Sampled: 10/12/2022 13:00

Sample ID: 22J1895-04

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
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Vinyl Chloride	25	2.0	0.21	µg/L	1	L-06, V-06	SW-846 8260D	10/14/22	10/14/22 20:22	EEH
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/14/22	10/14/22 20:22	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	111		70-130				10/14/22 20:22			
Toluene-d8	99.7		70-130				10/14/22 20:22			
4-Bromofluorobenzene	96.6		70-130				10/14/22 20:22			

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-5

Sampled: 10/12/2022 13:00

Sample ID: 22J1895-04

Sample Matrix: Ground Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethane	0.045	0.014	0.0026	mg/L	1		RSK175	10/20/22	10/20/22 15:24	TPH
Ethene	0.019	0.017	0.0030	mg/L	1		RSK175	10/20/22	10/20/22 15:24	TPH
Methane	5.3	0.0070	0.0012	mg/L	1		RSK175	10/20/22	10/20/22 15:24	TPH

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-5

Sampled: 10/12/2022 13:00

Sample ID: 22J1895-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	50	0.050	0.019	mg/L	1		SW-846 6010D	10/14/22	10/16/22 19:04	ATP
Manganese	2.0	0.010	0.0017	mg/L	1		SW-846 6010D	10/14/22	10/16/22 19:04	ATP

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-5

Sampled: 10/12/2022 13:00

Sample ID: 22J1895-04

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	18	0.050	0.019	mg/L	1		SW-846 6010D	10/14/22	10/14/22 23:11	QNW
Manganese	2.3	0.010	0.0017	mg/L	1		SW-846 6010D	10/14/22	10/14/22 23:11	QNW

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1895

Date Received: 10/13/2022

Field Sample #: 10.12.22 MW-5

Sampled: 10/12/2022 13:00

Sample ID: 22J1895-04

Sample Matrix: Ground Water

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	470	1.0	0.65	mg/L	1	PR-18	SM21-23 2320B	10/19/22	10/19/22 14:13	DET
Chloride	16	1.0	0.56	mg/L	1		EPA 300.0	10/14/22	10/14/22 0:18	NRH
Nitrate as N	ND	0.10	0.042	mg/L	1		EPA 300.0	10/14/22	10/14/22 0:18	NRH
Sulfide	2.8	2.0	1.1	mg/L	1		SM21-23 4500S-F	10/18/22	10/18/22 15:05	DRA
Total Organic Carbon	49	10	5.4	mg/L	10		SM 21-23 5310B	10/21/22	10/21/22 14:19	IS

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Sample Extraction Data**Prep Method: EPA 300.0 Analytical Method: EPA 300.0**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-01 [10.12.22 MW-10]	B319966	10.0	10.0	10/13/22
22J1895-02 [10.12.22 MW-8]	B319966	10.0	10.0	10/13/22
22J1895-03 [10.12.22 MW-6R]	B319966	10.0	10.0	10/13/22
22J1895-04 [10.12.22 MW-5]	B319966	10.0	10.0	10/14/22

Prep Method: EPA 300.0 Analytical Method: EPA 300.0

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-01 [10.12.22 MW-10]	B320461	10.0	10.0	10/19/22
22J1895-02 [10.12.22 MW-8]	B320461	10.0	10.0	10/19/22
22J1895-03 [10.12.22 MW-6R]	B320461	10.0	10.0	10/19/22

Prep Method: EPA 300.0 Analytical Method: EPA 300.0

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-04 [10.12.22 MW-5]	B320838	10.0	10.0	10/14/22

Prep Method: RSK175 Analytical Method: RSK175

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-01 [10.12.22 MW-10]	B320606	1.00	1.00	10/20/22
22J1895-02 [10.12.22 MW-8]	B320606	1.00	1.00	10/20/22
22J1895-03 [10.12.22 MW-6R]	B320606	1.00	1.00	10/20/22
22J1895-03RE1 [10.12.22 MW-6R]	B320606	1.00	1.00	10/20/22
22J1895-04 [10.12.22 MW-5]	B320606	1.00	1.00	10/20/22

SM 21-23 5310B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-01 [10.12.22 MW-10]	B320700	50.0	50.0	10/21/22
22J1895-02 [10.12.22 MW-8]	B320700	50.0	50.0	10/21/22
22J1895-03 [10.12.22 MW-6R]	B320700	50.0	50.0	10/21/22
22J1895-04 [10.12.22 MW-5]	B320700	50.0	50.0	10/21/22

SM21-23 2320B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-01 [10.12.22 MW-10]	B320441	100	100	10/19/22
22J1895-02 [10.12.22 MW-8]	B320441	100	100	10/19/22
22J1895-03 [10.12.22 MW-6R]	B320441	100	100	10/19/22
22J1895-04 [10.12.22 MW-5]	B320441	100	100	10/19/22

SM21-23 4500S-F

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-01 [10.12.22 MW-10]	B320291	100	100	10/18/22
22J1895-02 [10.12.22 MW-8]	B320291	100	100	10/18/22

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Sample Extraction Data**SM21-23 4500S-F**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-03 [10.12.22 MW-6R]	B320291	100	100	10/18/22
22J1895-04 [10.12.22 MW-5]	B320291	100	100	10/18/22

Prep Method: SW-846 3005A Analytical Method: SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-01 [10.12.22 MW-10]	B320009	50.0	50.0	10/14/22
22J1895-02 [10.12.22 MW-8]	B320009	50.0	50.0	10/14/22
22J1895-03 [10.12.22 MW-6R]	B320009	50.0	50.0	10/14/22
22J1895-04 [10.12.22 MW-5]	B320009	50.0	50.0	10/14/22

Prep Method: SW-846 3005A Dissolved Analytical Method: SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-01 [10.12.22 MW-10]	B320043	5.00	5.00	10/14/22
22J1895-02 [10.12.22 MW-8]	B320043	5.00	5.00	10/14/22
22J1895-03 [10.12.22 MW-6R]	B320043	5.00	5.00	10/14/22
22J1895-04 [10.12.22 MW-5]	B320043	5.00	5.00	10/14/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1895-01 [10.12.22 MW-10]	B320021	5	5.00	10/14/22
22J1895-02 [10.12.22 MW-8]	B320021	5	5.00	10/14/22
22J1895-03 [10.12.22 MW-6R]	B320021	5	5.00	10/14/22
22J1895-04 [10.12.22 MW-5]	B320021	5	5.00	10/14/22

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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 B320021 - SW-846 5030B										
Blank (B320021-BLK1)				Prepared & Analyzed: 10/14/22						
Acetone	ND	50	µg/L							
Benzene	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							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	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							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.8		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		101	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 B320021 - SW-846 5030B										
Blank (B320021-BLK1)				Prepared & Analyzed: 10/14/22						
Surrogate: 4-Bromofluorobenzene	23.5		µg/L	25.0		93.9	70-130			
LCS (B320021-BS1)				Prepared & Analyzed: 10/14/22						
Acetone	113	50	µg/L	100		113	70-160			†
Benzene	9.22	1.0	µg/L	10.0		92.2	70-130			
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130			
Bromoform	8.57	1.0	µg/L	10.0		85.7	70-130			
Bromomethane	17.0	2.0	µg/L	10.0		170	* 40-160			L-02, V-20 †
2-Butanone (MEK)	99.1	20	µg/L	100		99.1	40-160			†
Carbon Disulfide	160	5.0	µg/L	100		160	* 70-130			L-06, V-06
Carbon Tetrachloride	10.2	5.0	µg/L	10.0		102	70-130			
Chlorobenzene	9.49	1.0	µg/L	10.0		94.9	70-130			
Chlorodibromomethane	9.45	0.50	µg/L	10.0		94.5	70-130			
Chloroethane	12.4	2.0	µg/L	10.0		124	70-130			
Chloroform	10.3	2.0	µg/L	10.0		103	70-130			
Chloromethane	12.9	2.0	µg/L	10.0		129	40-160			V-20 †
Cyclohexane	11.0	5.0	µg/L	10.0		110	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.28	5.0	µg/L	10.0		92.8	70-130			
1,2-Dibromoethane (EDB)	9.70	0.50	µg/L	10.0		97.0	70-130			
1,2-Dichlorobenzene	9.62	1.0	µg/L	10.0		96.2	70-130			
1,3-Dichlorobenzene	9.49	1.0	µg/L	10.0		94.9	70-130			
1,4-Dichlorobenzene	9.25	1.0	µg/L	10.0		92.5	70-130			
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160			†
1,1-Dichloroethane	9.81	1.0	µg/L	10.0		98.1	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
trans-1,2-Dichloroethylene	14.3	1.0	µg/L	10.0		143	* 70-130			L-06
1,2-Dichloropropane	9.57	1.0	µg/L	10.0		95.7	70-130			
cis-1,3-Dichloropropene	9.48	0.50	µg/L	10.0		94.8	70-130			
trans-1,3-Dichloropropene	9.64	0.50	µg/L	10.0		96.4	70-130			
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	107	10	µg/L	100		107	70-160			†
Isopropylbenzene (Cumene)	9.81	1.0	µg/L	10.0		98.1	70-130			
Methyl Acetate	16.3	1.0	µg/L	10.0		163	* 70-130			L-02, V-20
Methyl tert-Butyl Ether (MTBE)	12.6	1.0	µg/L	10.0		126	70-130			
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130			
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104	70-160			†
Styrene	9.89	1.0	µg/L	10.0		98.9	70-130			
1,1,2,2-Tetrachloroethane	9.58	0.50	µg/L	10.0		95.8	70-130			
Tetrachloroethylene	9.40	1.0	µg/L	10.0		94.0	70-130			
Toluene	9.73	1.0	µg/L	10.0		97.3	70-130			
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0		101	70-130			
1,2,4-Trichlorobenzene	9.09	1.0	µg/L	10.0		90.9	70-130			
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,1,2-Trichloroethane	9.99	1.0	µg/L	10.0		99.9	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	11.8	2.0	µg/L	10.0		118	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.1	1.0	µg/L	10.0		141	* 70-130			L-02
Vinyl Chloride	29.6	2.0	µg/L	10.0		296	* 40-160			L-06, V-06 †
Xylenes (total)	29.6	1.0	µg/L	30.0		98.6	0-200			

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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 B320021 - SW-846 5030B										
LCS (B320021-BS1)				Prepared & Analyzed: 10/14/22						
Surrogate: 1,2-Dichloroethane-d4	27.9		µg/L	25.0		112	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		100	70-130			
LCS Dup (B320021-BS1)				Prepared & Analyzed: 10/14/22						
Acetone	113	50	µg/L	100		113	70-160	0.309	25	†
Benzene	9.25	1.0	µg/L	10.0		92.5	70-130	0.325	25	
Bromodichloromethane	9.87	0.50	µg/L	10.0		98.7	70-130	2.30	25	
Bromoform	8.61	1.0	µg/L	10.0		86.1	70-130	0.466	25	
Bromomethane	16.9	2.0	µg/L	10.0		169	* 40-160	1.06	25	L-02, V-20 †
2-Butanone (MEK)	102	20	µg/L	100		102	40-160	3.11	25	†
Carbon Disulfide	156	5.0	µg/L	100		156	* 70-130	2.50	25	L-06, V-06
Carbon Tetrachloride	9.93	5.0	µg/L	10.0		99.3	70-130	2.58	25	
Chlorobenzene	9.08	1.0	µg/L	10.0		90.8	70-130	4.42	25	
Chlorodibromomethane	9.51	0.50	µg/L	10.0		95.1	70-130	0.633	25	
Chloroethane	12.7	2.0	µg/L	10.0		127	70-130	2.23	25	
Chloroform	10.3	2.0	µg/L	10.0		103	70-130	0.195	25	
Chloromethane	13.2	2.0	µg/L	10.0		132	40-160	2.53	25	V-20 †
Cyclohexane	10.8	5.0	µg/L	10.0		108	70-130	1.65	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.60	5.0	µg/L	10.0		96.0	70-130	3.39	25	
1,2-Dibromoethane (EDB)	9.60	0.50	µg/L	10.0		96.0	70-130	1.04	25	
1,2-Dichlorobenzene	9.47	1.0	µg/L	10.0		94.7	70-130	1.57	25	
1,3-Dichlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130	0.735	25	
1,4-Dichlorobenzene	9.36	1.0	µg/L	10.0		93.6	70-130	1.18	25	
Dichlorodifluoromethane (Freon 12)	9.66	2.0	µg/L	10.0		96.6	40-160	4.45	25	†
1,1-Dichloroethane	9.72	1.0	µg/L	10.0		97.2	70-130	0.922	25	
1,2-Dichloroethane	9.95	1.0	µg/L	10.0		99.5	70-130	1.10	25	
1,1-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	2.88	25	
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.293	25	
trans-1,2-Dichloroethylene	15.1	1.0	µg/L	10.0		151	* 70-130	5.79	25	L-06
1,2-Dichloropropane	9.48	1.0	µg/L	10.0		94.8	70-130	0.945	25	
cis-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6	70-130	0.840	25	
trans-1,3-Dichloropropene	9.63	0.50	µg/L	10.0		96.3	70-130	0.104	25	
Ethylbenzene	9.81	1.0	µg/L	10.0		98.1	70-130	3.11	25	
2-Hexanone (MBK)	106	10	µg/L	100		106	70-160	0.895	25	†
Isopropylbenzene (Cumene)	9.72	1.0	µg/L	10.0		97.2	70-130	0.922	25	
Methyl Acetate	17.3	1.0	µg/L	10.0		173	* 70-130	6.00	25	L-02, V-20
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113	70-130	11.2	25	
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130	4.75	25	
Methylene Chloride	10.9	5.0	µg/L	10.0		109	70-130	1.18	25	
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160	2.51	25	†
Styrene	9.74	1.0	µg/L	10.0		97.4	70-130	1.53	25	
1,1,2,2-Tetrachloroethane	9.85	0.50	µg/L	10.0		98.5	70-130	2.78	25	
Tetrachloroethylene	9.15	1.0	µg/L	10.0		91.5	70-130	2.70	25	
Toluene	9.44	1.0	µg/L	10.0		94.4	70-130	3.03	25	
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	1.19	25	
1,2,4-Trichlorobenzene	8.97	1.0	µg/L	10.0		89.7	70-130	1.33	25	
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	3.45	25	
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	2.47	25	
Trichloroethylene	9.95	1.0	µg/L	10.0		99.5	70-130	3.75	25	
Trichlorofluoromethane (Freon 11)	12.0	2.0	µg/L	10.0		120	70-130	1.26	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.0	1.0	µg/L	10.0		140	* 70-130	0.426	25	L-02

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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 B320021 - SW-846 5030B										
LCS Dup (B320021-BSD1)				Prepared & Analyzed: 10/14/22						
Vinyl Chloride	28.7	2.0	µg/L	10.0		287	*	40-160	3.16	25 L-06, V-06 †
Xylenes (total)	29.3	1.0	µg/L	30.0		97.7		0-200	0.951	
Surrogate: 1,2-Dichloroethane-d4	28.2		µg/L	25.0		113		70-130		
Surrogate: Toluene-d8	25.1		µg/L	25.0		100		70-130		
Surrogate: 4-Bromofluorobenzene	25.1		µg/L	25.0		100		70-130		

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QUALITY CONTROL
Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B320606 - RSK175
Blank (B320606-BLK1)

Prepared & Analyzed: 10/20/22

Ethane	ND	0.014	mg/L							
Ethene	ND	0.017	mg/L							
Methane	0.0016	0.0070	mg/L							J

LCS (B320606-BS1)

Prepared & Analyzed: 10/20/22

Ethane	0.26		mg/L	0.332		78.6	70.1-110			
Ethene	0.24		mg/L	0.310		77.3	67.5-110			
Methane	0.14		mg/L	0.177		77.7	70.9-110			

Duplicate (B320606-DUP2)
Source: 22J1895-04

Prepared & Analyzed: 10/20/22

Ethane	0.0419	0.014	mg/L		0.0449			6.89	20	
Ethene	0.0191	0.017	mg/L		0.0193			0.833	20	
Methane	5.04	0.0070	mg/L		5.32			5.48	20	

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B320009 - SW-846 3005A								
Blank (B320009-BLK1)				Prepared: 10/14/22 Analyzed: 10/16/22				
Iron	ND	0.050	mg/L					
Manganese	ND	0.010	mg/L					
LCS (B320009-BSD1)				Prepared: 10/14/22 Analyzed: 10/16/22				
Iron	4.23	0.050	mg/L	4.00	106	80-120		
Manganese	0.523	0.010	mg/L	0.500	105	80-120		
LCS Dup (B320009-BSD1)				Prepared: 10/14/22 Analyzed: 10/16/22				
Iron	4.22	0.050	mg/L	4.00	106	80-120	0.0953	20
Manganese	0.519	0.010	mg/L	0.500	104	80-120	0.636	20

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QUALITY CONTROL
Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B320043 - SW-846 3005A Dissolved
Blank (B320043-BLK1)

Prepared & Analyzed: 10/14/22

Iron	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							

LCS (B320043-BS1)

Prepared & Analyzed: 10/14/22

Iron	2.06	0.050	mg/L	2.00		103	80-120			
Manganese	2.00	0.010	mg/L	2.00		100	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319966 - EPA 300.0										
Blank (B319966-BLK1)				Prepared & Analyzed: 10/13/22						
Nitrate as N	ND	0.10	mg/L							
LCS (B319966-BS1)				Prepared & Analyzed: 10/13/22						
Nitrate as N	0.95	0.10	mg/L	1.00		95.4	90-110			
LCS Dup (B319966-BSD1)				Prepared & Analyzed: 10/13/22						
Nitrate as N	0.95	0.10	mg/L	1.00		95.2	90-110	0.178	20	
Batch B320291 - SM21-23 4500S-F										
Blank (B320291-BLK1)				Prepared & Analyzed: 10/18/22						
Sulfide	ND	2.0	mg/L							
LCS (B320291-BS1)				Prepared & Analyzed: 10/18/22						
Sulfide	9.6	2.0	mg/L	10.0		96.0	81-117			
Batch B320441 - SM21-23 2320B										
Blank (B320441-BLK1)				Prepared & Analyzed: 10/19/22						
Alkalinity	ND	1.0	mg/L							
LCS (B320441-BS1)				Prepared & Analyzed: 10/19/22						
Alkalinity	60	1.0	mg/L	61.2		98.0	85.8-110			
LCS Dup (B320441-BSD1)				Prepared & Analyzed: 10/19/22						
Alkalinity	59	1.0	mg/L	61.2		96.4	85.8-110	1.68	6.91	
Batch B320461 - EPA 300.0										
Blank (B320461-BLK1)				Prepared & Analyzed: 10/19/22						
Chloride	ND	1.0	mg/L							
LCS (B320461-BS1)				Prepared & Analyzed: 10/19/22						
Chloride	9.8	1.0	mg/L	10.0		97.7	90-110			
LCS Dup (B320461-BSD1)				Prepared & Analyzed: 10/19/22						
Chloride	9.6	1.0	mg/L	10.0		96.0	90-110	1.71	20	
Batch B320700 - SM 21-23 5310B										
Blank (B320700-BLK1)				Prepared & Analyzed: 10/21/22						
Total Organic Carbon	ND	1.0	mg/L							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B320700 - SM 21-23 5310B
LCS (B320700-BS1)

Prepared & Analyzed: 10/21/22

Total Organic Carbon	9.97	1.0	mg/L	10.0		99.7	88.2-114			
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LCS Dup (B320700-BSD1)

Prepared & Analyzed: 10/21/22

Total Organic Carbon	10.4	1.0	mg/L	10.0		104	88.2-114	4.42	11.1	
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Batch B320838 - EPA 300.0
Blank (B320838-BLK1)

Prepared & Analyzed: 10/13/22

Chloride	ND	1.0	mg/L							
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LCS (B320838-BS1)

Prepared & Analyzed: 10/13/22

Chloride	9.9	1.0	mg/L	10.0		98.9	90-110			
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LCS Dup (B320838-BSD1)

Prepared & Analyzed: 10/13/22

Chloride	9.9	1.0	mg/L	10.0		99.2	90-110	0.315	20	
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high 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.
PR-18	Headspace present in sample container.
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>EPA 300.0 in Water</i>	
Chloride	NC,NY,MA,VA,ME,NH,CT,RI
Nitrate as N	NC,NY,MA,VA,ME,NH,CT,RI
<i>RSK175 in Water</i>	
Ethane	VA,NY,ME
Ethene	VA,NY,ME
Methane	VA,NY,ME
<i>SM 21-23 5310B in Water</i>	
Total Organic Carbon	CT,NH,NY,RI,NC,MA,VA
<i>SM21-23 2320B in Water</i>	
Alkalinity	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 4500S-F in Water</i>	
Sulfide	CT,NH,RI,NC,ME,NY
<i>SW-846 6010D in Water</i>	
Iron	CT,NH,NY,ME,NC,VA
Iron	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,NC,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,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
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
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
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

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

Company Name: **HRP Associates**

Address: 1 Fairchild Square, Clifton Park, NY

Phone: 518-877-7101

Project Name: 222 Ferry Street

Project Location: 222 South Ferry Street, Schenectady, NY

Project Number: DEC1012.RA

Project Manager: Mark Wright

Pace Analytical Quote Name/Number

Invoice Recipient: Mark.Wright@HRPAssociates.com

Sampled By: *RI [Signature] John Garman*

Ending Date/Time: 837

Grab: X

Composite: X

Matrix Code: 6W

Conc Code: M

Beginning Date/Time: 10.12.22

Client Sample ID / Description: 10.12.22 MW-10

1

2

3

4

10.12.22 MW-8

10.12.22 MW-6R

10.12.22 MW-5

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1300

Comments: *also send report to john.garman@hrpassociates.com*
- Lab to filter metals -> get your hold time

Relinquished by: (signature) *John Garman*

Date/Time: 10/12/2022 3:30pm

Received by: (signature) *Feder*

Date/Time: 10/12/2022 3:30pm

Relinquished by: (signature) *2.8*

Date/Time: 10/13 9:30

Received by: (signature)

Date/Time:

Relinquished by: (signature)

Date/Time:

Received by: (signature)

Date/Time:

Program B - Regulatory Information

AWQ STDS ☐

NY TOGS ☒

NYC Sewer Discharge ☐

Part 360 GW (Landfill) ☐

NY Restricted Use ☐

NY Unrestricted Use ☐

NY Part 375 ☐

Other:

Project Entity

☒ Government

☐ Federal

☐ City

☐ Municipality

☐ 21 J

☐ Brownfield

☐ MWRA

☐ School

☐ MBTA

☐ WRTA

☐ Chromatogram



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

Other:

HEAC and AHA-LAP, LLC Accredited

Other:

Chromatogram

AIHA-LAP, LLC

PCB ONLY

Soxhlet

Non Soxhlet

(https://www.fedex.com/en-us/home.html)



FedEx® Tracking



DELIVERED

Thursday

10/13/2022 at 9:30 am

Signed for by: R.PETRAITIS

↓ Obtain Proof of delivery

DELIVERY STATUS

Delivered

☑ Get Status Updates

TRACKING ID

791300799463

FROM

Clifton Park, NY US

Label Created

10/3/2022 12:17 PM

PACKAGE RECEIVED BY FEDEX

MENANDS, NY

10/12/2022 6:44 PM

IN TRANSIT

WINDSOR LOCKS, CT

10/13/2022 7:36 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

10/13/2022 7:44 AM

DELIVERED

East Longmeadow, MA US

DELIVERED

10/13/2022 at 9:30 AM

↓ View travel history

Manage Delivery



Shipment facts



39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

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Doc# 277 Rev 6 July 2022

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

Client HRP

Received By U Date 10/13 Time 930

How were the samples received? In Cooler T No Cooler On Ice T No Ice

Direct From Sample Ambient Melted Ice

Were samples within Temperature? Within 2-6°C T By Gun # 3 Actual Temp - 2.8

By Blank # Actual Temp -

Was Custody Seal In tact? MM Were Samples Tampered with? MM

Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T

Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? RT Who was notified? metals

Are there Rushes? F Who was notified?

Are there Short Holds? T Who was notified? time

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T splitting samples require F

Were trip blanks receive F On COC? F

Do All Samples Have the proper pH? Acid T Base T

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-	<u>16</u>	500 mL Amb.		500 mL Plastic	<u>4</u>
Meoh-		250 mL Amb.	<u>4</u>	250 mL Plastic	<u>24</u>
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.		250 mL Plastic	
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
Sulfuric-		Perchlorate		Ziplock	

Comments:

October 28, 2022

Mark Wright
NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

Project Location: 222 South Ferry St, Schenectady, NY
Client Job Number:
Project Number: 447047
Laboratory Work Order Number: 22J1468

Enclosed are results of analyses for samples as received by the laboratory on October 12, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Mark Wright

REPORT DATE: 10/28/2022

PURCHASE ORDER NUMBER: 141723

PROJECT NUMBER: 447047

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J1468

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

PROJECT LOCATION: 222 South Ferry St, Schenectady, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
10.11.22 PES-MW-6	22J1468-01	Ground Water		-	
				SW-846 8260D	
10.11.22 MW-2	22J1468-02	Ground Water		SW-846 8260D	
10.11.22 PES-MW-4	22J1468-03	Ground Water		SW-846 8260D	
DUP-1	22J1468-04	Ground Water		SW-846 8260D	
10.11.22 MW-12	22J1468-05	Ground Water		SW-846 8260D	
10.11.22 PES-MW-5	22J1468-06	Ground Water		SW-846 8260D	
10.11.22 MW-13	22J1468-07	Ground Water		EPA 300.0	
				RSK175	
				SM 21-23 5310B	
				SM21-23 2320B	
				SM21-23 4500S-F	
				SW-846 6010D	
				SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

REVISED 10/28/22: Report revised to include requested metals analytes.

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

SM21-23 2320B

Qualifications:**PR-18**

Headspace present in sample container.

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

22J1468-07[10.11.22 MW-13]

SW-846 8260D

Qualifications:**L-02**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethan**

B319852-BS1, B319852-BSD1, B319852-MS1, B319852-MSD1

Bromomethane

B319852-BS1, B319852-BSD1, B319852-MS1, B319852-MSD1

MS-09

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

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

22J1468-02[10.11.22 MW-2], B319852-MS1, B319852-MSD1

1,2,4-Trichlorobenzene

22J1468-02[10.11.22 MW-2], B319852-MS1, B319852-MSD1

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

22J1468-02[10.11.22 MW-2], B319852-MS1, B319852-MSD1

Methyl Acetate

22J1468-02[10.11.22 MW-2], B319852-MS1, B319852-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**

B319852-BSD1, B319852-MS1, B319852-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethan**

B319852-MS1

V-05

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

Analyte & Samples(s) Qualified:**1,2-Dibromo-3-chloropropane (DBP)**

22J1468-01[10.11.22 PES-MW-6], 22J1468-02[10.11.22 MW-2], 22J1468-03[10.11.22 PES-MW-4], 22J1468-04[DUP-1], 22J1468-05[10.11.22 MW-12], 22J1468-06[10.11.22 PES-MW-5], 22J1468-07[10.11.22 MW-13], B319852-BLK1, B319852-BS1, B319852-BSD1, B319852-MS1, B319852-MSD1, S077909-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:**1,1,2-Trichloro-1,2,2-trifluoroethane**

B319852-BS1, B319852-BSD1, B319852-MS1, B319852-MSD1, S077909-CCV1

Bromomethane

B319852-BS1, B319852-BSD1, B319852-MS1, B319852-MSD1, S077909-CCV1

Carbon Disulfide

B319852-BS1, B319852-BSD1, B319852-MS1, B319852-MSD1, S077909-CCV1

Dichlorodifluoromethane (Freon 12)

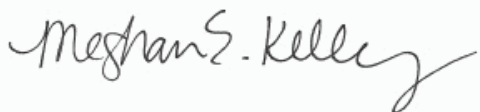
B319852-BS1, B319852-BSD1, B319852-MS1, B319852-MSD1, S077909-CCV1

Trichlorofluoromethane (Freon 11)

B319852-BS1, B319852-BSD1, B319852-MS1, B319852-MSD1, S077909-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: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 PES-MW-6

Sampled: 10/11/2022 11:18

Sample ID: 22J1468-01

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	3.8	50	2.0	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Benzene	0.30	1.0	0.20	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
cis-1,2-Dichloroethylene	27	1.0	0.15	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
trans-1,2-Dichloroethylene	1.2	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 PES-MW-6

Sampled: 10/11/2022 11:18

Sample ID: 22J1468-01

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
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Vinyl Chloride	83	2.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:30	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	107		70-130				10/13/22 20:30			
Toluene-d8	99.1		70-130				10/13/22 20:30			
4-Bromofluorobenzene	98.8		70-130				10/13/22 20:30			

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 MW-2

Sampled: 10/11/2022 12:21

Sample ID: 22J1468-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	MS-09, V-05	SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
cis-1,2-Dichloroethylene	4.1	1.0	0.15	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1	MS-09	SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	MS-09	SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1	MS-09	SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 MW-2

Sampled: 10/11/2022 12:21

Sample ID: 22J1468-02

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
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Vinyl Chloride	7.0	2.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 18:54	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	105		70-130				10/13/22 18:54			
Toluene-d8	98.2		70-130				10/13/22 18:54			
4-Bromofluorobenzene	100		70-130				10/13/22 18:54			

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 PES-MW-4

Sampled: 10/11/2022 13:10

Sample ID: 22J1468-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Benzene	0.43	1.0	0.20	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
cis-1,2-Dichloroethylene	11	1.0	0.15	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
trans-1,2-Dichloroethylene	0.20	1.0	0.17	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 PES-MW-4

Sampled: 10/11/2022 13:10

Sample ID: 22J1468-03

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
Trichloroethylene	0.95	1.0	0.19	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Vinyl Chloride	15	2.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:18	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	105		70-130				10/13/22 19:18			
Toluene-d8	102		70-130				10/13/22 19:18			
4-Bromofluorobenzene	97.9		70-130				10/13/22 19:18			

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: DUP-1

Sampled: 10/11/2022 00:00

Sample ID: 22J1468-04

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	3.2	50	2.0	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Benzene	0.31	1.0	0.20	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
cis-1,2-Dichloroethylene	22	1.0	0.15	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
trans-1,2-Dichloroethylene	0.95	1.0	0.17	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: DUP-1

Sampled: 10/11/2022 00:00

Sample ID: 22J1468-04

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
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Vinyl Chloride	67	2.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:54	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	106		70-130				10/13/22 20:54			
Toluene-d8	100		70-130				10/13/22 20:54			
4-Bromofluorobenzene	102		70-130				10/13/22 20:54			

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 MW-12

Sampled: 10/11/2022 14:26

Sample ID: 22J1468-05

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	ND	50	2.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
cis-1,2-Dichloroethylene	0.30	1.0	0.15	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 19:42	MFF
trans-1,2-Dichloroethylene	0.84	1.0	0.17	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 MW-12

Sampled: 10/11/2022 14:26

Sample ID: 22J1468-05

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
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Vinyl Chloride	1.2	2.0	0.21	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 19:42	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	107		70-130				10/13/22 19:42			
Toluene-d8	98.9		70-130				10/13/22 19:42			
4-Bromofluorobenzene	99.4		70-130				10/13/22 19:42			

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 PES-MW-5

Sampled: 10/11/2022 13:45

Sample ID: 22J1468-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
cis-1,2-Dichloroethylene	24	1.0	0.15	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
trans-1,2-Dichloroethylene	0.48	1.0	0.17	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 PES-MW-5

Sampled: 10/11/2022 13:45

Sample ID: 22J1468-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	0.32	1.0	0.19	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Vinyl Chloride	39	2.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 21:18	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	105		70-130				10/13/22 21:18			
Toluene-d8	98.6		70-130				10/13/22 21:18			
4-Bromofluorobenzene	98.1		70-130				10/13/22 21:18			

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 MW-13

Sampled: 10/11/2022 15:07

Sample ID: 22J1468-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.4	50	2.0	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Benzene	0.37	1.0	0.20	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
cis-1,2-Dichloroethylene	0.53	1.0	0.15	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 20:06	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 MW-13

Sampled: 10/11/2022 15:07

Sample ID: 22J1468-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Vinyl Chloride	0.51	2.0	0.21	µg/L	1	J	SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/13/22	10/13/22 20:06	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	106		70-130				10/13/22 20:06			
Toluene-d8	100		70-130				10/13/22 20:06			
4-Bromofluorobenzene	98.8		70-130				10/13/22 20:06			

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 MW-13

Sampled: 10/11/2022 15:07

Sample ID: 22J1468-07

Sample Matrix: Ground Water

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethane	0.43	0.014	0.0026	mg/L	1		RSK175	10/12/22	10/12/22 21:01	TPH
Ethene	ND	0.017	0.0030	mg/L	1		RSK175	10/12/22	10/12/22 21:01	TPH
Methane	13	0.035	0.0060	mg/L	5		RSK175	10/12/22	10/12/22 21:09	TPH

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 MW-13

Sampled: 10/11/2022 15:07

Sample ID: 22J1468-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	31	0.050	0.019	mg/L	1		SW-846 6010D	10/25/22	10/26/22 15:05	QNW
Manganese	1.3	0.010	0.0017	mg/L	1		SW-846 6010D	10/25/22	10/26/22 15:05	QNW

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Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 MW-13

Sampled: 10/11/2022 15:07

Sample ID: 22J1468-07

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	30	0.050	0.019	mg/L	1		SW-846 6010D	10/25/22	10/26/22 14:13	QNW
Manganese	1.2	0.010	0.0017	mg/L	1		SW-846 6010D	10/25/22	10/26/22 14:13	QNW

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

Project Location: 222 South Ferry St, Schenectady,

Sample Description:

Work Order: 22J1468

Date Received: 10/12/2022

Field Sample #: 10.11.22 MW-13

Sampled: 10/11/2022 15:07

Sample ID: 22J1468-07

Sample Matrix: Ground Water

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	600	1.0	0.65	mg/L	1	PR-18	SM21-23 2320B	10/18/22	10/18/22 13:24	DET
Chloride	97	5.0	2.8	mg/L	5		EPA 300.0	10/19/22	10/19/22 16:24	EC
Nitrate as N	ND	0.10	0.042	mg/L	1		EPA 300.0	10/12/22	10/12/22 19:14	MH2
Sulfide	1.2	2.0	1.1	mg/L	1	J	SM21-23 4500S-F	10/12/22	10/12/22 9:23	DET
Total Organic Carbon	150	10	5.4	mg/L	10		SM 21-23 5310B	10/21/22	10/21/22 12:09	IS

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Sample Extraction Data

Prep Method: EPA 300.0 Analytical Method: EPA 300.0

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1468-07 [10.11.22 MW-13]	B319728	10.0	10.0	10/12/22

Prep Method: EPA 300.0 Analytical Method: EPA 300.0

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1468-07 [10.11.22 MW-13]	B320461	10.0	10.0	10/19/22

Prep Method: RSK175 Analytical Method: RSK175

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1468-07 [10.11.22 MW-13]	B319836	1.00	1.00	10/12/22
22J1468-07RE1 [10.11.22 MW-13]	B319836	1.00	1.00	10/12/22

SM 21-23 5310B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1468-07 [10.11.22 MW-13]	B320700	50.0	50.0	10/21/22

SM21-23 2320B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1468-07 [10.11.22 MW-13]	B320300	100	100	10/18/22

SM21-23 4500S-F

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1468-07 [10.11.22 MW-13]	B319603	100	100	10/12/22

Prep Method: SW-846 3005A Dissolved Analytical Method: SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1468-07 [10.11.22 MW-13]	B321007	50.0	50.0	10/25/22

Prep Method: SW-846 3005A Analytical Method: SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1468-07 [10.11.22 MW-13]	B321022	50.0	50.0	10/25/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1468-01 [10.11.22 PES-MW-6]	B319852	5	5.00	10/13/22
22J1468-02 [10.11.22 MW-2]	B319852	5	5.00	10/13/22
22J1468-03 [10.11.22 PES-MW-4]	B319852	5	5.00	10/13/22
22J1468-04 [DUP-1]	B319852	5	5.00	10/13/22

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1468-05 [10.11.22 MW-12]	B319852	5	5.00	10/13/22
22J1468-06 [10.11.22 PES-MW-5]	B319852	5	5.00	10/13/22
22J1468-07 [10.11.22 MW-13]	B319852	5	5.00	10/13/22

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319852 - SW-846 5030B										
Blank (B319852-BLK1)				Prepared & Analyzed: 10/13/22						
Acetone	ND	50	µg/L							
Benzene	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							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
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							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.0		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.0	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 B319852 - SW-846 5030B										
Blank (B319852-BLK1)				Prepared & Analyzed: 10/13/22						
Surrogate: 4-Bromofluorobenzene	23.8		µg/L	25.0		95.1	70-130			
LCS (B319852-BS1)				Prepared & Analyzed: 10/13/22						
Acetone	104	50	µg/L	100		104	70-160			†
Benzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromoform	9.10	1.0	µg/L	10.0		91.0	70-130			
Bromomethane	16.8	2.0	µg/L	10.0		168 *	40-160		L-02, V-20	†
2-Butanone (MEK)	92.5	20	µg/L	100		92.5	40-160			†
Carbon Disulfide	122	5.0	µg/L	100		122	70-130		V-20	
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130			
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Chlorodibromomethane	9.94	0.50	µg/L	10.0		99.4	70-130			
Chloroethane	11.4	2.0	µg/L	10.0		114	70-130			
Chloroform	10.6	2.0	µg/L	10.0		106	70-130			
Chloromethane	9.74	2.0	µg/L	10.0		97.4	40-160			†
Cyclohexane	10.2	5.0	µg/L	10.0		102	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.01	5.0	µg/L	10.0		80.1	70-130		V-05	
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130			
1,2-Dichlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,4-Dichlorobenzene	9.95	1.0	µg/L	10.0		99.5	70-130			
Dichlorodifluoromethane (Freon 12)	12.2	2.0	µg/L	10.0		122	40-160		V-20	†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1-Dichloroethylene	11.7	1.0	µg/L	10.0		117	70-130			
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,3-Dichloropropene	9.87	0.50	µg/L	10.0		98.7	70-130			
trans-1,3-Dichloropropene	9.78	0.50	µg/L	10.0		97.8	70-130			
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
2-Hexanone (MBK)	85.0	10	µg/L	100		85.0	70-160			†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130			
Methyl Acetate	8.54	1.0	µg/L	10.0		85.4	70-130			
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130			
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130			
Methylene Chloride	9.33	5.0	µg/L	10.0		93.3	70-130			
4-Methyl-2-pentanone (MIBK)	83.6	10	µg/L	100		83.6	70-160			†
Styrene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,2,2-Tetrachloroethane	9.20	0.50	µg/L	10.0		92.0	70-130			
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	8.28	5.0	µg/L	10.0		82.8	70-130			
1,2,4-Trichlorobenzene	8.42	1.0	µg/L	10.0		84.2	70-130			
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
Trichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
Trichlorofluoromethane (Freon 11)	12.4	2.0	µg/L	10.0		124	70-130		V-20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.2	1.0	µg/L	10.0		132 *	70-130		L-02, V-20	
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160			†
Xylenes (total)	30.7	1.0	µg/L	30.0		102	0-200			

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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 B319852 - SW-846 5030B										
LCS (B319852-BS1)				Prepared & Analyzed: 10/13/22						
Surrogate: 1,2-Dichloroethane-d4	26.7		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	25.5		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		101	70-130			
LCS Dup (B319852-BSD1)				Prepared & Analyzed: 10/13/22						
Acetone	95.2	50	µg/L	100		95.2	70-160	8.60	25	†
Benzene	10.9	1.0	µg/L	10.0		109	70-130	0.277	25	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	3.17	25	
Bromoform	8.40	1.0	µg/L	10.0		84.0	70-130	8.00	25	
Bromomethane	17.8	2.0	µg/L	10.0		178	* 40-160	5.66	25	L-02, MS-15, V-20 †
2-Butanone (MEK)	83.8	20	µg/L	100		83.8	40-160	9.89	25	†
Carbon Disulfide	125	5.0	µg/L	100		125	70-130	2.34	25	V-20
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109	70-130	2.97	25	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.391	25	
Chlorodibromomethane	9.57	0.50	µg/L	10.0		95.7	70-130	3.79	25	
Chloroethane	11.4	2.0	µg/L	10.0		114	70-130	0.264	25	
Chloroform	11.1	2.0	µg/L	10.0		111	70-130	3.87	25	
Chloromethane	9.50	2.0	µg/L	10.0		95.0	40-160	2.49	25	†
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130	4.52	25	
1,2-Dibromo-3-chloropropane (DBCP)	7.24	5.0	µg/L	10.0		72.4	70-130	10.1	25	V-05
1,2-Dibromoethane (EDB)	9.97	0.50	µg/L	10.0		99.7	70-130	5.18	25	
1,2-Dichlorobenzene	9.88	1.0	µg/L	10.0		98.8	70-130	0.304	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.198	25	
1,4-Dichlorobenzene	9.65	1.0	µg/L	10.0		96.5	70-130	3.06	25	
Dichlorodifluoromethane (Freon 12)	12.8	2.0	µg/L	10.0		128	40-160	4.95	25	V-20 †
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130	2.07	25	
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	3.97	25	
1,1-Dichloroethylene	12.0	1.0	µg/L	10.0		120	70-130	2.37	25	
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	0.286	25	
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	0.894	25	
1,2-Dichloropropane	9.72	1.0	µg/L	10.0		97.2	70-130	3.54	25	
cis-1,3-Dichloropropene	9.67	0.50	µg/L	10.0		96.7	70-130	2.05	25	
trans-1,3-Dichloropropene	9.57	0.50	µg/L	10.0		95.7	70-130	2.17	25	
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	1.64	25	
2-Hexanone (MBK)	77.3	10	µg/L	100		77.3	70-160	9.49	25	†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130	0.00	25	
Methyl Acetate	8.06	1.0	µg/L	10.0		80.6	70-130	5.78	25	
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130	3.11	25	
Methyl Cyclohexane	11.4	1.0	µg/L	10.0		114	70-130	5.84	25	
Methylene Chloride	9.48	5.0	µg/L	10.0		94.8	70-130	1.59	25	
4-Methyl-2-pentanone (MIBK)	76.5	10	µg/L	100		76.5	70-160	8.90	25	†
Styrene	10.2	1.0	µg/L	10.0		102	70-130	0.293	25	
1,1,2,2-Tetrachloroethane	8.47	0.50	µg/L	10.0		84.7	70-130	8.26	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.34	25	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	1.71	25	
1,2,3-Trichlorobenzene	7.90	5.0	µg/L	10.0		79.0	70-130	4.70	25	
1,2,4-Trichlorobenzene	8.17	1.0	µg/L	10.0		81.7	70-130	3.01	25	
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	1.20	25	
1,1,2-Trichloroethane	9.96	1.0	µg/L	10.0		99.6	70-130	2.09	25	
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	0.808	25	
Trichlorofluoromethane (Freon 11)	12.7	2.0	µg/L	10.0		127	70-130	2.47	25	V-20

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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 B319852 - SW-846 5030B											
LCS Dup (B319852-BSD1)				Prepared & Analyzed: 10/13/22							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.6	1.0	µg/L	10.0		136	*	70-130	3.22	25	L-02, V-20
Vinyl Chloride	10.9	2.0	µg/L	10.0		109		40-160	0.920	25	
Xylenes (total)	30.3	1.0	µg/L	30.0		101		0-200	1.28		
Surrogate: 1,2-Dichloroethane-d4	26.3		µg/L	25.0		105		70-130			
Surrogate: Toluene-d8	25.5		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.5		70-130			
Matrix Spike (B319852-MS1)		Source: 22J1468-02		Prepared: 10/13/22 Analyzed: 10/14/22							
Acetone	89.5	50	µg/L	100	ND	89.5		70-130			
Benzene	10.2	1.0	µg/L	10.0	ND	102		70-130			
Bromodichloromethane	9.57	0.50	µg/L	10.0	ND	95.7		70-130			
Bromoform	7.49	1.0	µg/L	10.0	ND	74.9		70-130			
Bromomethane	16.9	2.0	µg/L	10.0	ND	169	*	70-130			L-02, MS-15, V-20
2-Butanone (MEK)	79.0	20	µg/L	100	ND	79.0		70-130			
Carbon Disulfide	114	5.0	µg/L	100	ND	114		70-130			V-20
Carbon Tetrachloride	10.9	5.0	µg/L	10.0	ND	109		70-130			
Chlorobenzene	9.35	1.0	µg/L	10.0	ND	93.5		70-130			
Chlorodibromomethane	8.64	0.50	µg/L	10.0	ND	86.4		70-130			
Chloroethane	11.3	2.0	µg/L	10.0	ND	113		70-130			
Chloroform	10.3	2.0	µg/L	10.0	ND	103		70-130			
Chloromethane	10.9	2.0	µg/L	10.0	ND	109		70-130			
Cyclohexane	10.2	5.0	µg/L	10.0	ND	102		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	6.20	5.0	µg/L	10.0	ND	62.0	*	70-130			MS-09, V-05
1,2-Dibromoethane (EDB)	9.20	0.50	µg/L	10.0	ND	92.0		70-130			
1,2-Dichlorobenzene	8.77	1.0	µg/L	10.0	ND	87.7		70-130			
1,3-Dichlorobenzene	8.96	1.0	µg/L	10.0	ND	89.6		70-130			
1,4-Dichlorobenzene	8.64	1.0	µg/L	10.0	ND	86.4		70-130			
Dichlorodifluoromethane (Freon 12)	12.8	2.0	µg/L	10.0	ND	128		70-130			V-20
1,1-Dichloroethane	9.68	1.0	µg/L	10.0	ND	96.8		70-130			
1,2-Dichloroethane	9.43	1.0	µg/L	10.0	ND	94.3		70-130			
1,1-Dichloroethylene	11.8	1.0	µg/L	10.0	ND	118		70-130			
cis-1,2-Dichloroethylene	14.2	1.0	µg/L	10.0	4.06	101		70-130			
trans-1,2-Dichloroethylene	9.56	1.0	µg/L	10.0	ND	95.6		70-130			
1,2-Dichloropropane	9.32	1.0	µg/L	10.0	ND	93.2		70-130			
cis-1,3-Dichloropropene	8.45	0.50	µg/L	10.0	ND	84.5		70-130			
trans-1,3-Dichloropropene	8.49	0.50	µg/L	10.0	ND	84.9		70-130			
Ethylbenzene	9.54	1.0	µg/L	10.0	ND	95.4		70-130			
2-Hexanone (MBK)	72.2	10	µg/L	100	ND	72.2		70-130			
Isopropylbenzene (Cumene)	9.31	1.0	µg/L	10.0	ND	93.1		70-130			
Methyl Acetate	6.10	1.0	µg/L	10.0	ND	61.0	*	70-130			MS-09
Methyl tert-Butyl Ether (MTBE)	9.37	1.0	µg/L	10.0	ND	93.7		70-130			
Methyl Cyclohexane	10.8	1.0	µg/L	10.0	ND	108		70-130			
Methylene Chloride	8.87	5.0	µg/L	10.0	ND	88.7		70-130			
4-Methyl-2-pentanone (MIBK)	72.5	10	µg/L	100	ND	72.5		70-130			
Styrene	8.99	1.0	µg/L	10.0	ND	89.9		70-130			
1,1,2,2-Tetrachloroethane	8.18	0.50	µg/L	10.0	ND	81.8		70-130			
Tetrachloroethylene	9.64	1.0	µg/L	10.0	ND	96.4		70-130			
Toluene	9.81	1.0	µg/L	10.0	ND	98.1		70-130			
1,2,3-Trichlorobenzene	6.30	5.0	µg/L	10.0	ND	63.0	*	70-130			MS-09
1,2,4-Trichlorobenzene	6.59	1.0	µg/L	10.0	ND	65.9	*	70-130			MS-09
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0	ND	105		70-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319852 - SW-846 5030B										
Matrix Spike (B319852-MS1)	Source: 22J1468-02			Prepared: 10/13/22 Analyzed: 10/14/22						
1,1,2-Trichloroethane	9.28	1.0	µg/L	10.0	ND	92.8	70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0	ND	104	70-130			
Trichlorofluoromethane (Freon 11)	12.6	2.0	µg/L	10.0	ND	126	70-130			V-20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.1	1.0	µg/L	10.0	ND	131 *	70-130			L-02, MS-22, V-20
Vinyl Chloride	17.9	2.0	µg/L	10.0	6.97	109	70-130			
Xylenes (total)	28.0	1.0	µg/L	30.0	ND	93.3	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.2		µg/L	25.0		109	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.4	70-130			
Matrix Spike Dup (B319852-MSD1)	Source: 22J1468-02			Prepared: 10/13/22 Analyzed: 10/14/22						
Acetone	85.0	50	µg/L	100	ND	85.0	70-130	5.17	30	
Benzene	9.72	1.0	µg/L	10.0	ND	97.2	70-130	4.33	30	
Bromodichloromethane	9.09	0.50	µg/L	10.0	ND	90.9	70-130	5.14	30	
Bromoform	7.34	1.0	µg/L	10.0	ND	73.4	70-130	2.02	30	
Bromomethane	15.5	2.0	µg/L	10.0	ND	155 *	70-130	8.76	30	L-02, MS-15, V-20
2-Butanone (MEK)	78.2	20	µg/L	100	ND	78.2	70-130	1.09	30	
Carbon Disulfide	114	5.0	µg/L	100	ND	114	70-130	0.0787	30	V-20
Carbon Tetrachloride	10.2	5.0	µg/L	10.0	ND	102	70-130	7.02	30	
Chlorobenzene	8.80	1.0	µg/L	10.0	ND	88.0	70-130	6.06	30	
Chlorodibromomethane	8.51	0.50	µg/L	10.0	ND	85.1	70-130	1.52	30	
Chloroethane	10.4	2.0	µg/L	10.0	ND	104	70-130	8.86	30	
Chloroform	9.62	2.0	µg/L	10.0	ND	96.2	70-130	6.92	30	
Chloromethane	9.68	2.0	µg/L	10.0	ND	96.8	70-130	12.2	30	
Cyclohexane	9.69	5.0	µg/L	10.0	ND	96.9	70-130	5.62	30	
1,2-Dibromo-3-chloropropane (DBCP)	6.32	5.0	µg/L	10.0	ND	63.2 *	70-130	1.92	30	MS-09, V-05
1,2-Dibromoethane (EDB)	8.93	0.50	µg/L	10.0	ND	89.3	70-130	2.98	30	
1,2-Dichlorobenzene	8.54	1.0	µg/L	10.0	ND	85.4	70-130	2.66	30	
1,3-Dichlorobenzene	8.71	1.0	µg/L	10.0	ND	87.1	70-130	2.83	30	
1,4-Dichlorobenzene	8.48	1.0	µg/L	10.0	ND	84.8	70-130	1.87	30	
Dichlorodifluoromethane (Freon 12)	12.1	2.0	µg/L	10.0	ND	121	70-130	5.86	30	V-20
1,1-Dichloroethane	9.09	1.0	µg/L	10.0	ND	90.9	70-130	6.29	30	
1,2-Dichloroethane	9.03	1.0	µg/L	10.0	ND	90.3	70-130	4.33	30	
1,1-Dichloroethylene	11.0	1.0	µg/L	10.0	ND	110	70-130	6.59	30	
cis-1,2-Dichloroethylene	13.5	1.0	µg/L	10.0	4.06	94.3	70-130	4.78	30	
trans-1,2-Dichloroethylene	8.99	1.0	µg/L	10.0	ND	89.9	70-130	6.15	30	
1,2-Dichloropropane	8.73	1.0	µg/L	10.0	ND	87.3	70-130	6.54	30	
cis-1,3-Dichloropropene	7.96	0.50	µg/L	10.0	ND	79.6	70-130	5.97	30	
trans-1,3-Dichloropropene	7.85	0.50	µg/L	10.0	ND	78.5	70-130	7.83	30	
Ethylbenzene	9.21	1.0	µg/L	10.0	ND	92.1	70-130	3.52	30	
2-Hexanone (MBK)	72.8	10	µg/L	100	ND	72.8	70-130	0.773	30	
Isopropylbenzene (Cumene)	8.99	1.0	µg/L	10.0	ND	89.9	70-130	3.50	30	
Methyl Acetate	6.01	1.0	µg/L	10.0	ND	60.1 *	70-130	1.49	30	MS-09
Methyl tert-Butyl Ether (MTBE)	9.04	1.0	µg/L	10.0	ND	90.4	70-130	3.59	30	
Methyl Cyclohexane	10.1	1.0	µg/L	10.0	ND	101	70-130	6.03	30	
Methylene Chloride	8.28	5.0	µg/L	10.0	ND	82.8	70-130	6.88	30	
4-Methyl-2-pentanone (MIBK)	70.9	10	µg/L	100	ND	70.9	70-130	2.22	30	
Styrene	8.81	1.0	µg/L	10.0	ND	88.1	70-130	2.02	30	
1,1,2,2-Tetrachloroethane	7.99	0.50	µg/L	10.0	ND	79.9	70-130	2.35	30	
Tetrachloroethylene	9.34	1.0	µg/L	10.0	ND	93.4	70-130	3.16	30	
Toluene	9.22	1.0	µg/L	10.0	ND	92.2	70-130	6.20	30	

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B319852 - SW-846 5030B

Matrix Spike Dup (B319852-MSD1)		Source: 22J1468-02		Prepared: 10/13/22 Analyzed: 10/14/22						
1,2,3-Trichlorobenzene	6.78	5.0	µg/L	10.0	ND	67.8 *	70-130	7.34	30	MS-09
1,2,4-Trichlorobenzene	6.78	1.0	µg/L	10.0	ND	67.8 *	70-130	2.84	30	MS-09
1,1,1-Trichloroethane	9.91	1.0	µg/L	10.0	ND	99.1	70-130	6.07	30	
1,1,2-Trichloroethane	8.83	1.0	µg/L	10.0	ND	88.3	70-130	4.97	30	
Trichloroethylene	9.80	1.0	µg/L	10.0	ND	98.0	70-130	5.65	30	
Trichlorofluoromethane (Freon 11)	11.8	2.0	µg/L	10.0	ND	118	70-130	7.30	30	V-20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3	1.0	µg/L	10.0	ND	123	70-130	5.67	30	L-02, V-20
Vinyl Chloride	17.4	2.0	µg/L	10.0	6.97	104	70-130	2.61	30	
Xylenes (total)	27.0	1.0	µg/L	30.0	ND	89.9	0-200	3.71		
Surrogate: 1,2-Dichloroethane-d4	26.8		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		100	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B321022 - SW-846 3005A
Blank (B321022-BLK1)

Prepared: 10/25/22 Analyzed: 10/26/22

Iron	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							

LCS (B321022-BS1)

Prepared: 10/25/22 Analyzed: 10/26/22

Iron	4.20	0.050	mg/L	4.00		105	80-120			
Manganese	0.521	0.010	mg/L	0.500		104	80-120			

LCS Dup (B321022-BSD1)

Prepared: 10/25/22 Analyzed: 10/26/22

Iron	4.23	0.050	mg/L	4.00		106	80-120	0.770	20	
Manganese	0.523	0.010	mg/L	0.500		105	80-120	0.388	20	

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

QUALITY CONTROL
Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B319836 - RSK175
Blank (B319836-BLK1)

Prepared & Analyzed: 10/12/22

Ethane	ND	0.014	mg/L							
Ethene	ND	0.017	mg/L							
Methane	0.0015	0.0070	mg/L							J

LCS (B319836-BS1)

Prepared & Analyzed: 10/12/22

Ethane	0.29		mg/L	0.339		84.9	70.1-110			
Ethene	0.26		mg/L	0.317		83.0	67.5-110			
Methane	0.15		mg/L	0.180		84.6	70.9-110			

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QUALITY CONTROL
Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B321007 - SW-846 3005A Dissolved										
Blank (B321007-BLK1)				Prepared: 10/25/22 Analyzed: 10/26/22						
Iron	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
LCS (B321007-BS1)				Prepared: 10/25/22 Analyzed: 10/26/22						
Iron	4.13	0.050	mg/L	4.00		103	80-120			
Manganese	0.510	0.010	mg/L	0.500		102	80-120			
LCS Dup (B321007-BSD1)				Prepared: 10/25/22 Analyzed: 10/26/22						
Iron	4.08	0.050	mg/L	4.00		102	80-120	1.03	20	
Manganese	0.504	0.010	mg/L	0.500		101	80-120	1.18	20	
Duplicate (B321007-DUP1)				Source: 22J1468-07		Prepared: 10/25/22 Analyzed: 10/26/22				
Iron	29.8	0.050	mg/L		30.4			2.02	20	
Manganese	1.19	0.010	mg/L		1.22			1.86	20	
Matrix Spike (B321007-MS1)				Source: 22J1468-07		Prepared: 10/25/22 Analyzed: 10/26/22				
Iron	34.2	0.050	mg/L	4.00	30.4	94.6	75-125			
Manganese	1.69	0.010	mg/L	0.500	1.22	94.9	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319603 - SM21-23 4500S-F										
Blank (B319603-BLK1)				Prepared & Analyzed: 10/12/22						
Sulfide	1.6	2.0	mg/L							J
LCS (B319603-BS1)				Prepared & Analyzed: 10/12/22						
Sulfide	10	2.0	mg/L	10.0		104	81-117			
Batch B319728 - EPA 300.0										
Blank (B319728-BLK1)				Prepared & Analyzed: 10/12/22						
Nitrate as N	ND	0.10	mg/L							
LCS (B319728-BS1)				Prepared & Analyzed: 10/12/22						
Nitrate as N	0.97	0.10	mg/L	1.00		96.5	90-110			
LCS Dup (B319728-BSD1)				Prepared & Analyzed: 10/12/22						
Nitrate as N	0.97	0.10	mg/L	1.00		96.5	90-110	0.0207	20	
Batch B320300 - SM21-23 2320B										
Blank (B320300-BLK1)				Prepared & Analyzed: 10/18/22						
Alkalinity	ND	1.0	mg/L							
LCS (B320300-BS1)				Prepared & Analyzed: 10/18/22						
Alkalinity	57	1.0	mg/L	61.2		93.1	85.8-110			
LCS Dup (B320300-BSD1)				Prepared & Analyzed: 10/18/22						
Alkalinity	58	1.0	mg/L	61.2		94.8	85.8-110	1.74	6.91	
Batch B320461 - EPA 300.0										
Blank (B320461-BLK1)				Prepared & Analyzed: 10/19/22						
Chloride	ND	1.0	mg/L							
LCS (B320461-BS1)				Prepared & Analyzed: 10/19/22						
Chloride	9.8	1.0	mg/L	10.0		97.7	90-110			
LCS Dup (B320461-BSD1)				Prepared & Analyzed: 10/19/22						
Chloride	9.6	1.0	mg/L	10.0		96.0	90-110	1.71	20	
Matrix Spike (B320461-MS1)				Prepared & Analyzed: 10/19/22						
Chloride	140	5.0	mg/L	50.0	97	86.0	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B320461 - EPA 300.0
Matrix Spike Dup (B320461-MSD1)
Source: 22J1468-07

Prepared & Analyzed: 10/19/22

Chloride	140	5.0	mg/L	50.0	97	86.3	80-120	0.0721	20	
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Batch B320700 - SM 21-23 5310B
Blank (B320700-BLK1)

Prepared & Analyzed: 10/21/22

Total Organic Carbon	ND	1.0	mg/L							
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LCS (B320700-BS1)

Prepared & Analyzed: 10/21/22

Total Organic Carbon	9.97	1.0	mg/L	10.0		99.7	88.2-114			
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LCS Dup (B320700-BSD1)

Prepared & Analyzed: 10/21/22

Total Organic Carbon	10.4	1.0	mg/L	10.0		104	88.2-114	4.42	11.1	
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-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-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
PR-18	Headspace present in sample container.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 300.0 in Water</i>	
Chloride	NC,NY,MA,VA,ME,NH,CT,RI
Nitrate as N	NC,NY,MA,VA,ME,NH,CT,RI
<i>RSK175 in Water</i>	
Ethane	VA,NY,ME
Ethene	VA,NY,ME
Methane	VA,NY,ME
<i>SM 21-23 5310B in Water</i>	
Total Organic Carbon	CT,NH,NY,RI,NC,MA,VA
<i>SM21-23 2320B in Water</i>	
Alkalinity	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-23 4500S-F in Water</i>	
Sulfide	CT,NH,RI,NC,ME,NY
<i>SW-846 6010D in Water</i>	
Iron	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,NC,VA
Manganese	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,NC,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,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
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
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
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

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

Company Name: HRP Associates

Address: 1 Fairchild Square, Clifton Park, NY

Phone: 518-877-7101

Project Name: 222 Ferry Street

Project Location: 222 South Ferry Street, Schenectady, NY

Project Number: DEC1012.RA

Project Manager: Mark Wright

Pace Analytical Quote Name/Number:

Invoice Recipient: Mark.Wright@HRPAssociates.com

Sampled By: RT by John G. W. MW

Pace Analytical Work Order #	Client Sample ID / Description	Beginning Date / Time	Ending Date / Time	Composite	Grab	Matrix Code	Conc Code
1	10-11-22 PES-MW-6	10-11-22	1118		X	GW	M
2	10-11-22 MW-2	10-11-22	1221		X	GW	L
3	10-11-22 PES-MW-4	10-11-22	1310		X	GW	M
4	Dup-1 SG	10-11-22			X	GW	M
5	10-11-22 MW-12	10-11-22	1426		X	GW	L
6	10-11-22 PES-MW-5	10-11-22	1345		X	GW	M
7	10-11-22 MW-13	10-11-22	1507		X	GW	M

Comments:
- Run 10-11-22 MW-2 for MS/MSD
- Send report to John.Gorman@hrpassociates.com as well
- Lab filter metals → 24 hour hold time

Relinquished by: (signature) John Wright	Date/Time: 10/11/2022 1730
Received by: (signature) John Wright	Date/Time: 10/11/2022 1730
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 10/11/2022 1730
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 10/11/2022 1730
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 10/11/2022 1730

CHAIN OF CUSTODY RECORD (New York)

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

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: EQUIS NYSD&C

CLP Like Data Pkg Required: ☐
Email To: Mark.Wright@HRPAssociates.com
Fax To #:

ANALYSIS REQUESTED

Dissolved Metals	Total Fe & Mn	Dissolved Fe & Mn	Sulfide	Chloride	Dissolved Gases - Methane	Alkalinity	Nitrate-N EPA	Total Organic Carbon
V	P	P	P	P	P	P	P	A

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

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
☐ NYSD&C EQUIS EDD
☐ EQUIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other: ☐ Chromatogram ☐ AIHA-LAP, LLC

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

of Containers
2 Preservation Code
3 Container Code

Dissolved Metals Samples
☐ Field Filtered
☒ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

1 Matrix Codes:
GW = Ground Water
VW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

2 Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)
Z = Zinc Acetate

3 Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Surinam Canister
T = Tedlar Bag
O = Other (please define)

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

(<https://www.fedex.com/en-us/home.html>)



FedEx® Tracking

DELIVERED

Wednesday

10/12/2022 at 7:46 am

Signed for by: R.RIO

↓ Obtain Proof of delivery

DELIVERY STATUS

Delivered

✉ Get Status Updates

TRACKING ID

279024767760

FROM

CLIFTON PARK, NY US

Label Created

10/11/2022 4:39 PM

PACKAGE RECEIVED BY FEDEX

MENANDS, NY

10/11/2022 6:17 PM

IN TRANSIT

EAST GRANBY, CT

10/12/2022 6:25 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

10/12/2022 7:09 AM

DELIVERED

East Longmeadow, MA US

DELIVERED

10/12/2022 at 7:46 AM

↓ View travel history

Manage Delivery

Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com



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

Client HRP

Received By LL Date 10/12 Time 746

How were the samples received? In Cooler T No Cooler On Ice T No Ice

Direct From Sample Ambient Melted Ice

Were samples within Temperature? Within 2-6°C T By Gun # 3 Actual Temp - 4.9

By Blank # Actual Temp -

Was Custody Seal In tact? NA Were Samples Tampered with? NA

Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client? T Analysis? T Sampler Name? T

pertinent Information? Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? T Who was notified? Rob

Are there Rushes? F Who was notified?

Are there Short Holds? T Who was notified? Lucy

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? T

Proper Media/Containers Used? T splitting samples require F

Were trip blanks receive F On COC? F

Do All Samples Have the proper pH? Acid T Base T

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-	<u>28</u>	500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.	<u>1</u>	250 mL Plastic	<u>6</u>
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
Sulfuric-		Perchlorate		Ziplock	
				Frozen:	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.		250 mL Plastic	
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
Sulfuric-		Perchlorate		Ziplock	
				Frozen:	

Comments:

ATTACHMENT D

Data Usability Summary Report



Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, NY 12853

Phone (518) 251-4429

harry@frontiernet.net

January 18, 2023

Patrick Montuori
HRP Associates, Inc.
1 Fairchild Square, Suite 11
Clifton Park, NY 12065

RE: Validation of the 222 South Ferry Street Site Analytical Laboratory Data
Data Usability Summary Report (DUSR)
Pace SDG Nos. 22J1468 and 22J1895

Dear Mr. Montuori:

Review has been completed for the data packages generated by Pace Analytical that pertain to samples collected 10/11/22 and 10/12/22 the 222 South Ferry Street site. Ten aqueous samples and a field duplicate were processed for TCL volatiles by the USEPA SW846 analytical method 8260D. Data validation was only requested and performed for the volatile analyses reported in the data packages.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

- * Data Completeness
- * Case Narrative
- * Custody Documentation
- * Holding Times
- * Surrogate and Internal Standard Recoveries
- * Method Blanks
- * Matrix Spike Recoveries/Duplicate Correlations
- * Blind Field Duplicate Correlations
- * Laboratory Control Sample (LCS)
- * Instrumental Tunes
- * Initial and Continuing Calibration Standards
- * Method Compliance
- * Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for the samples are usable either as reported or with qualification as estimated. Data completeness, accuracy, precision, representativeness, reproducibility, sensitivity, and comparability are acceptable.

The sample identifications are attached. Also included in this report are the laboratory EDDs with recommended qualifiers/edits applied in red.

Laboratory data packages contain omissions and poor construction that do not impact sample reported results, but which are not compliant with the required deliverables. The initially submitted EDDs contained omissions and errors.

Chain-of-Custody

The laboratory receipt dates on the custody forms do not include the year. One of the custody forms shows the laboratory receipt entry in a relinquish field.

Blind Field Duplicate

The blind field duplicate evaluation was performed on 10.11.22 PES-MW-6, and shows correlations within validation guidelines.

Volatile Analyses by EPA 8260C

Due to elevated recoveries in associated LCS laboratory controls, the detected results for carbon disulfide (160% and 156%), trans-1,2-dichloroethene (143% and 151%), and vinyl chloride (296% and 287%) in samples reported in SDG 22J1895 are qualified as estimated with a high bias. Because the latter two analytes were detected consistently in the project samples, there were available unused sample vials, and many days left in the holding time, the analyses should have been repeated under compliant conditions. The elevated vinyl chloride LCS recoveries, close to 300%, are of particular concern.

The result for vinyl chloride in 10.12.22 MW-10 is qualified as estimated due to response above the established linear range of the instrument. The sample should have been reanalyzed at dilution to provide a more accurate result.

Matrix spikes of 10-11-22 MW-2 produced recoveries and correlations within validation guidelines, with the exception of those for 1,2-dibromo-3-chloropropane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and methyl acetate (60% to 68%), results for which have been qualified as estimated, with low bias, in that parent sample.

Surrogate and internal standard recoveries are compliant. Blanks show no contamination. Calibration standards showed responses within validation guidelines.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,



Judy Harry

Attachments: Validation Data Qualifier Definitions
 Sample Identifications
 Qualified Laboratory EQuIS EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Identification Summary

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Mark Wright

REPORT DATE: 12/19/2022

PURCHASE ORDER NUMBER: 141723

PROJECT NUMBER: 447047

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J1468

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

PROJECT LOCATION: 222 South Ferry St, Schenectady, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
10.11.22 MW-13		Ground Water			
10.11.22 MW-2	JH				
10.11.22 PES-MW-4	JH				
10.11.22 MW-12	JH				
10.11.22 PES-MW-6	JH				
DUP-1 10.11.22	JH				

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Mark Wright

REPORT DATE: 10/25/2022

PURCHASE ORDER NUMBER: 141723

PROJECT NUMBER: 447047

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J1895

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

PROJECT LOCATION: 222 South Ferry St, Schenectady, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
10.12.22 MW-10	22J1895-01	Ground Water		EPA 300.0 RSK175 SM 21-23 5310B SM21-23 2320B SM21-23 4500S-F SW-846 6010D SW-846 8260D	
10.12.22 MW-8	22J1895-02	Ground Water		EPA 300.0 RSK175 SM 21-23 5310B SM21-23 2320B SM21-23 4500S-F SW-846 6010D SW-846 8260D	
10.12.22 MW-6R	22J1895-03	Ground Water		EPA 300.0 RSK175 SM 21-23 5310B SM21-23 2320B SM21-23 4500S-F SW-846 6010D SW-846 8260D	
10.12.22 MW-5	22J1895-04	Ground Water		EPA 300.0 RSK175 SM 21-23 5310B SM21-23 2320B SM21-23 4500S-F SW-846 6010D SW-846 8260D	