



February 14, 2022

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

**RE: 4<sup>th</sup> Quarter 2021 IRM Monitoring Results**

**222 South Ferry Street Site**

**NYSDEC Site No. 447047**

222 South Ferry Street  
Schenectady, New York  
HRP Project No. DEC1012.RA

Dear Ms. Curley:

HRP Associates, Inc. (HRP) has performed the fourth and final planned quarterly groundwater monitoring and sampling events at the 222 South Ferry Street Site (the Site), located in Schenectady, New York (**Figure 1**). This event was performed following the implementation of the Site Interim Remedial Measure (IRM) which consisted of the injection of emulsified vegetable oil, zero valance iron (ZVI), and *Dehalococcoides* microbes (DHC) into Site groundwater for in-situ treatment. The injections were performed in two events. The first injection event was conducted on December 8-10, 2020. Based on groundwater analytical results from the first three quarters of monitoring and sampling, a second injection event was conducted on November 10-12, 2021.

The purpose of the quarterly groundwater monitoring and sampling events, as outlined in the IRM Monitoring Plan (IRMMP), is to assess the progress and effectiveness 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 selected onsite monitoring wells. The field activities and results of the 4<sup>th</sup> quarter 2021 IRM Monitoring are summarized below.

**Field Activities**

HRP mobilized to the Site on December 13 and 14, 2021, to conduct groundwater level gauging and sampling. Groundwater samples were successfully collected from 10 of the 11 monitoring wells selected in the IRMMP (samples were not collected from MW-10, as discussed below). 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. Depth to water was measured at 13 wells including: MW-2, MW-5, MW-6R, MW-7, MW-8, MW-9, MW-10, MW-12, MW-13, MW-14, PES-MW-4, PES-MW-5, and PES-MW-6. 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 200 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.

For QA/QC purposes, matrix spike and matrix spike duplicate (MS/MSD) samples were collected from MW-8. A duplicate sample was collected from MW-8 and designated "DUP-01". The MS/MSD and duplicate samples were analyzed for VOCs only. The full list of parameters analyzed for each well sampled during the 4<sup>th</sup> quarter sampling event are included in **Table 1**. As in the 3<sup>rd</sup> quarter event, samples from MW-6R and MW-13, were analyzed for geochemical parameters, in addition to MW-5 and MW-8.

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 Work Plan

The following deviations to the IRMMP were made during to the 4<sup>th</sup> quarter monitoring and sampling event:

- All wells selected for sampling in the IRMMP were sampled during the 4th quarter event, except for MW-10 which was destroyed. Upon arrival, HRP found the well with road box, well cap, and water-tight J-plug missing. The damage appears to be related to recent grading and brush clearing activities on the on the Site's northern perimeter. During the 4<sup>th</sup> quarter event, MW-10 was used for the collection of depth to water measurements only.
- Stabilization was not achieved prior to sampling at monitoring wells MW-5, MW-8, and PES-MW-6 due to the wells running dry during purging. After sufficient recharge was achieved, a grab groundwater sample was collected from each well.
- Groundwater samples collected from monitoring well MW-8 were not analyzed for ethylene, ethane, and methane as part of the suite of geochemical parameters.
- Groundwater samples collected from MW-5, MW-6R, MW-8, and MW-13 were not analyzed for carbon dioxide (CO<sub>2</sub>).

## Findings

During the 4<sup>th</sup> quarter 2021 monitoring and sampling event, groundwater was encountered in monitoring wells at depths ranging from 5.03 to 7.13 ft below top of casing (btoc). Sheen was observed on groundwater purged from MW-2, MW-8, MW-14, PES-MW-4, PES-MW-5, and PES-MW-6, during the 4<sup>th</sup> quarter. Based on the VOC concentrations detected in the analytical results (discussed below), the observed sheen is believed to be related to the injected emulsified vegetable oil.

A groundwater elevation contour map, prepared from water level data collected on December 13, 2021, shows that onsite groundwater predominantly flows from south to north. The groundwater contours constructed from the 4<sup>th</sup> quarter monitoring data are depicted on **Figure 3**. When compared to measurements recorded during the 3<sup>rd</sup> quarter (July) 2021 event, groundwater elevation was an average 0.11 feet lower in the monitoring wells across the Site. 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 above the laboratory method detections limits (MDLs) at concentrations exceeding NYSDEC Class GA Criteria in each of the ten monitoring wells sampled during the 4<sup>th</sup> quarter event, with the exception of the sample collected from MW-14. VOC analytical results from the 4<sup>th</sup> quarter sample event are presented on **Table 3**.



A comparison of the 4<sup>th</sup> quarter sampling results to historical results indicates TCE concentrations decreased in monitoring wells MW-5, MW-8, and PES-MW-5. TCE was detected at a concentration of 6.4 micrograms per liter ( $\mu\text{g}/\text{L}$ ) in the sample collected from PES-MW-4, indicating a minor increase from the 3<sup>rd</sup> quarter. TCE was not detected in any other monitoring wells. Six of the ten monitoring wells showed increases in concentrations of the TCE breakdown products: cis-1,2-DCE and vinyl chloride. Monitoring wells MW-2, MW-12, MW-13, and PES-MW-5 showed decreases in both cis-1,2-DCE and vinyl chloride. TCE, cis-1,2-DCE, and vinyl chloride have not been detected in MW-14 during any of the monitoring events. 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 from MW-8 (located in the center of the December 2020 treatment area) indicate trends of increasing ethylene, ethane, and methane concentrations (breakdown products of the chlorinated VOCs) throughout the quarterly monitoring events following treatment. Increases in ethylene, ethane, and methane concentrations were also observed in MW-5 and MW-6R between the 3<sup>rd</sup> and 4<sup>th</sup> quarters following the November 2021 injection event. Iron concentrations also increased in monitoring wells MW-5, MW-6R, MW-8, and MW-13 between the 3<sup>rd</sup> and 4<sup>th</sup> quarter monitoring events following the November 2021 in-situ treatment event and are at elevated concentrations relative to pre-IRM conditions. A comparison of 4<sup>th</sup> quarter geochemical parameter data to previous quarterly and pre-IRM data is presented on **Table 5**.

Data validation of the 4<sup>th</sup> quarter 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. As part of the data validation review, chloroethane, cis-1,2-DCE, and vinyl chloride were qualified as estimated for the sample collected from MW-8 as correlations between the parent sample and duplicate (DUP-01) were outside of validation guidelines. Additionally, results for the VOCs acetone, bromoform, and bromomethane, were qualified as estimated due to calibration standard responses outside of validation guidelines. The laboratory analytical report from the 4<sup>th</sup> quarter sample event is included in **Attachment C** and accompanying DUSR is included in **Attachment D**. The validated electronic data deliverables (EDDs) have been submitted separately to the NYSDEC project manager and will be entered into the NYSDEC data base shortly.

## Conclusions

Results from the four quarterly monitoring events conducted following in-situ treatment indicate dechlorination is occurring in groundwater at the Site. Results from the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> quarterly sampling events provide evidence for dechlorination in the area of the December 2020 injections (MW-8, PES-MW-4, PES-MW-5, and PES-MW-6) and downgradient of the injection area (MW-10). Comparing results from the 4<sup>th</sup> quarterly monitoring event to previous monitoring events provides evidence for dechlorination in groundwater upgradient (MW-5, MW-6R), and cross-gradient (MW-13) of the initial injection area, following additional in-situ treatment completed in November 2021.

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 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. Increasing trends 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 quarters of monitoring and in MW-5 and MW-6R between the 3<sup>rd</sup> and 4<sup>th</sup>



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4<sup>th</sup> Quarter 2021 IRM Monitoring Results  
222 South Ferry Street Site, Site No. 447047  
222 South Ferry Street, Schenectady, NY  
February 14, 2022  
Page 4 of 4

quarters, following completion of injections upgradient of the two wells. A trend of increasing total organic carbon concentrations was observed in each of the wells monitored for geochemical parameters, providing further evidence for breakdown of chlorinated compounds. Based on results from the 4<sup>th</sup> quarter, iron concentrations in the Site groundwater 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).

Based on the 2021 quarterly monitoring results the IRM injection events have effectively enhanced dechlorination and have significantly reduced concentrations of chlorinated VOCs in groundwater beneath the Site. In accordance with the Site Management Plan (SMP), groundwater monitoring and sampling (including sampling for chlorinated VOCs) should continue at the Site on a semi-annual schedule.

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

Sincerely,  
HRP Associates, Inc.



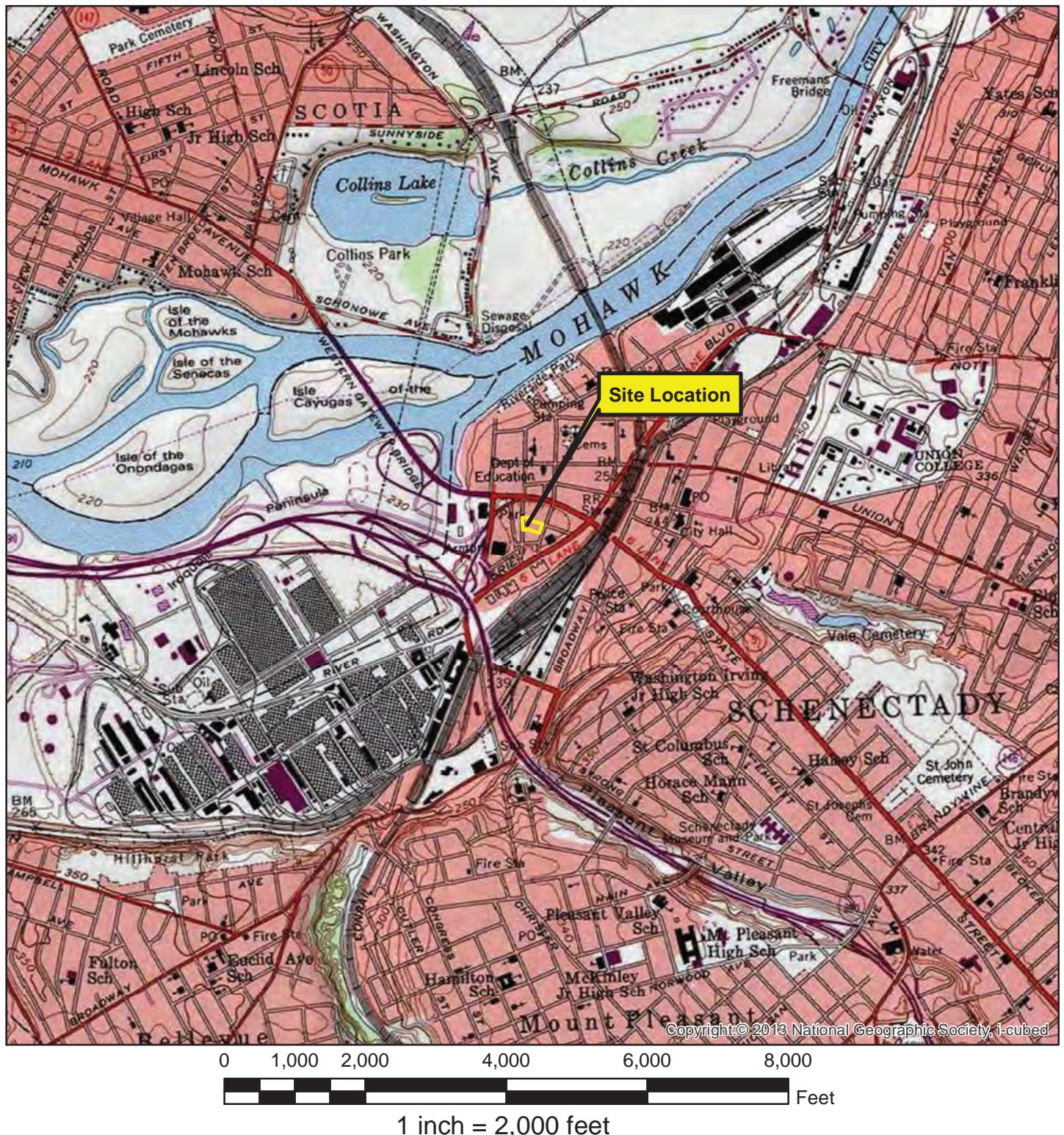
Patrick Montuori  
Senior Project Consultant



Mark Wright, PG, CSP  
Project Manager

# FIGURES





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

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



↑ North



Monitoring Well and Injection Point Locations	222 South Ferry Street, Schenectady, New York
Issue Date:	01/13/2022
Designed By:	PRL
Revised By:	No.
Project No.:	DEC1012.RA
Drawn By:	PRL
Sheet Size:	11X17
Reviewed By:	PM

FIGURE

2



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



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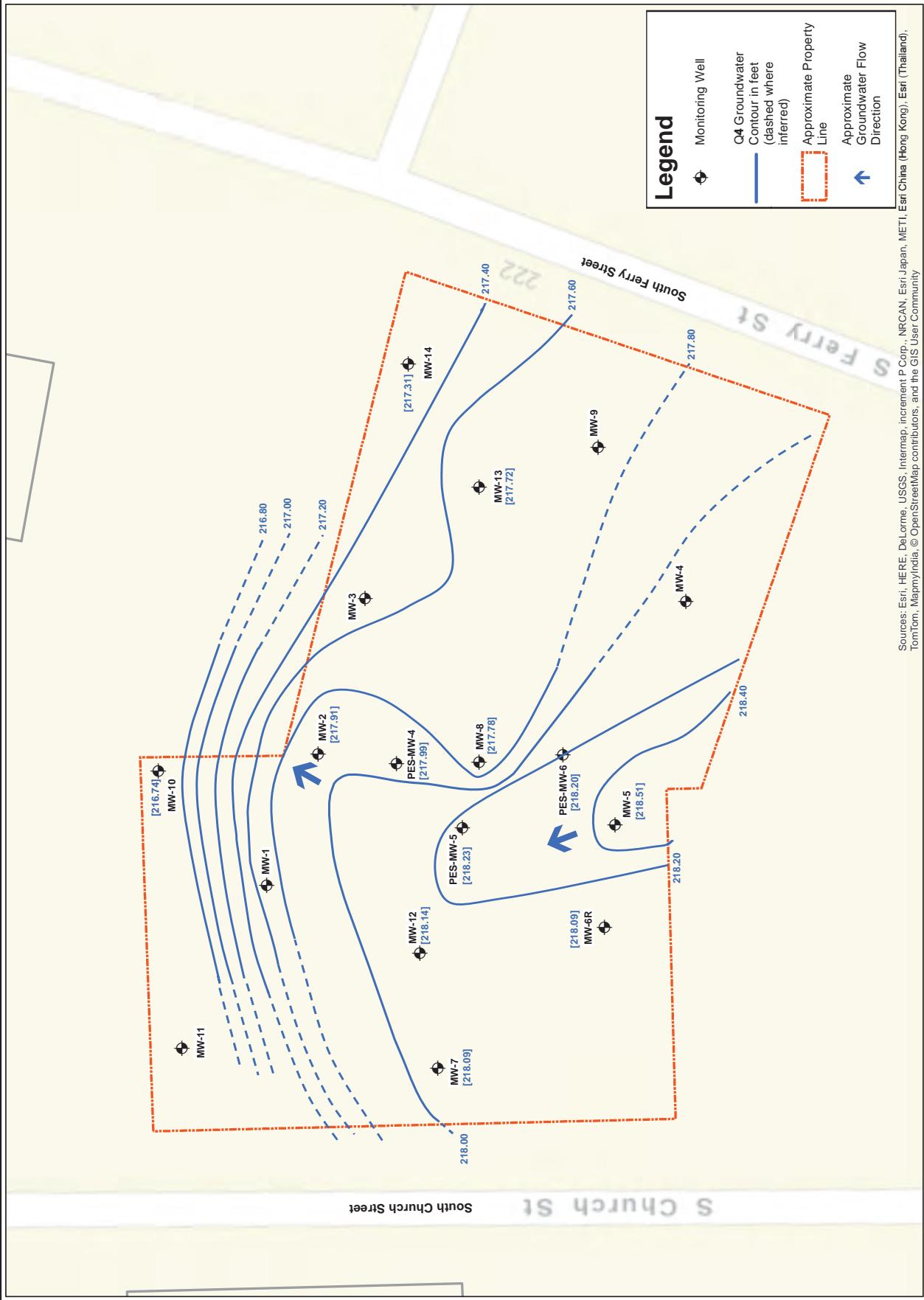
↑ North



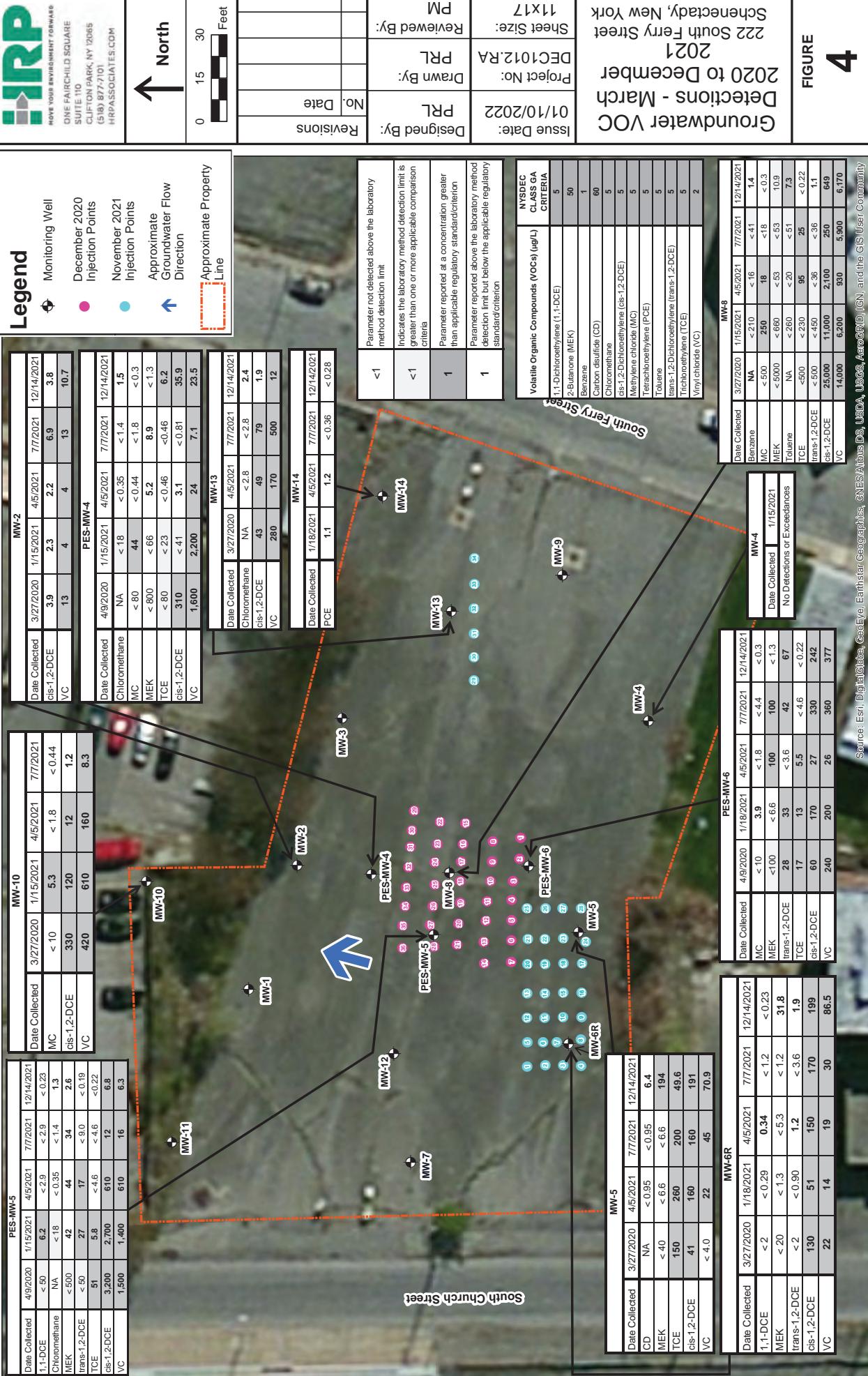
Project No.: DECI012.RA	Date Drawn By: PRL	Sheet Size: 11x17	Reviewed By: PM	222 South Ferry Street, Schenectady, New York
Issue Date: 1/1/2021	Revisions: PRL	No.	Date	Monitoring Well Locations and Groundwater Contours
				December 13, 2021

Figure

3



Sources: Esri, HERE, Delorme, USGS, Intertop, increment, P Corp., NRCan, Esri-Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



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

**FIGURE 4**

**4**

# TABLES





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

ID	Date Collected:	NYSDEC CLASS GA CRITERIA	MW-4		MW-5		MW-6R		MW-8		
			1/15/2021	4/5/2021	7/7/2021	12/14/2021	7/7/2021	12/14/2021	3/27/2020	1/15/2021	
Alkalinity (CaCO <sub>3</sub> )	NP	647	314	410	430	538	657	360	436	547	
Chloride	500	19.9	21.1	23.1	28.2	418	<0.11	11.4	129	139	
Sulfate	250	41.9	412	386	155	127	<0.11	19.4	<10	11.7	
Iron (Total)	0.3	3.2	0.063	2.3	161	<0.019	248	22.2	66.2	53.1	
Iron (Dissolved)	0.3	<0.019	<0.019	<0.019	10.5	5	9.01	2.5	<0.050	<0.019	
Manganese (Total)	0.6	0.37	0.088	0.14	9.46	4.3	10.4	2.5	4.1	5.7	
Manganese (Dissolved)	0.5	0.41	0.082	0.09	Carbon Dioxide-Dissolved Gases (GC) by Method RSK-175 CO <sub>2</sub> (ug/l)			4	5.1	4.8	
Carbon Dioxide	NP	39,000	120,000	120,000	NA	160,000	NA	120,000	140,000	140,000	
Ethylene	NP	<7.5	1.8	<1.5	1.4	<1.5	6.9	3,400	6,200	110	
Ethane	NP	<7.5	<1.5	<1.5	5.8	<1.5	3.0	320	1,000	13	
Methane	NP	25	210	260	Sulfide by SM4500-S2 F (mg/l)	725	770	1110	490	1,500	
Sulfide	0.05	<1.0	<0.67	<0.67	Nitrate by EPA Method 353.2 (mg/l)	<0.43	<0.67	NA	<1.0	<0.67	
Nitration	10	0.06	0.48	<0.020	Total Organic Carbon (TOC) by EPA Method 5310 (mg/l)	0.029	<0.037	0.15	0.13	<0.020	
TOC	NP	3.3	2.6	4.2	1130	7.3	754	5.1	34.1	44.3	
<hr/>											
ID	Date Collected:	NYSDEC CLASS GA CRITERIA	MW-10		MW-13		MW-14		MW-15		
Alkalinity (CaCO <sub>3</sub> )	NP	493	468	533	366	452	<1	<1	<1	<1	
Chloride	500	110	153	124	57.9	64.2	<1	<1	<1	<1	
Sulfate	250	17	3.1	<10.0	8.6	0.18	1	1	1	1	
Iron (Total)	0.3	25	22.4	31	20	26	Parameter reported at a concentration greater than applicable regulatory standard/criterion	Parameter reported above the laboratory method detection limit but below the applicable regulatory standard/criterion	Parameter reported above the laboratory method detection limit but below the applicable regulatory standard/criterion	Parameter reported above the laboratory method detection limit but below the applicable regulatory standard/criterion	
Iron (Dissolved)	0.3	<0.019	0.072	0.088	<0.019	0.068					
Manganese (Total)	0.6	1.3	1.1	1.5	0.81	1.01					
Manganese (Dissolved)	0.5	1.5	0.97	1.4	0.61	0.647					
Carbon Dioxide	NP	120,000	120,000	130,000	100,000	NA	Notes = mg/L = milligrams per Liter ug/L = micrograms 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				
Ethylene	NP	86	41	170	24	<195					
Ethane	NP	110	35	<17	170	270					
Methane	NP	8,500	13,000	5,800	6,800	6,110					
Sulfide	0.05	<1.0	<0.67	<0.67	<0.67	<0.43					
Nitration	10	9.9	0.025	0.039	<0.020	<0.037					
TOC	NP	0.089	6.2	16.4	6.6	72.1					

**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	6	MW-2, MW-12, MW-14 PES-MW-4, PES-MW-5, PES-MW-6	6	VOCs by EPA Method 8260C
		4	MW-5, MW-6R, MW-8*, MW-13	7 (includes 1 duplicate, 1 MS, 1 MSD to be collected from MW-8)	VOCs by EPA Method 8260C Iron: Total and Dissolved by EPA Method 6010C Manganese: Total and Dissolved by EPA Method 6010C Chloride and Sulfate 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 310.2 Methane/Ethane/Ethene - Dissolved Gases (GC) by Method RSK_175

Acronym List:

CO2: Carbon Dioxide  
 GC: Gas Chromatograph  
 MS: Matrix Spike  
 MSD: Matrix Spike Duplicate  
 VOCs: Volatile Organic Compounds  
 TOC: Total Organic Carbon

\* MW-8 was not analyzed for Ethylene/Ethane/Methane

**Table 2**  
**Well Construction and Groundwater Elevation**  
**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	11/15/2017	12/1/2007	12/1/2007	1/14/2014	1/15/2014	1/16/2014	11/14/2017	4/3/2020	4/3/2020	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	223.87	224.19	223.08	222.36	223.88	224.07	224.3
Screened Interval (ft btoc)	5 - 15	Unknown	Unknown	5 to 15	Unknown	Unknown	Unknown	Unknown	10 - 20	5 - 15	5 - 15	2 - 12	5 - 10	8 - 13
Well Diameter (inches)	1	1	1	2	1	1	1	1	2	2	2	2	2	2
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
	Groundwater Elevation (ft btoc)	218.19	218.77	ND	218.14	218.26	218.41	218.42	215.89	ND	218.66	218.41	218.68	218.31
	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
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
	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
	Measured Depth to Bottom (ft btoc)	12.71	9.72	12.20	14.65	12.25	12.25	11.90	18.39	14.10	13.60	11.90	8.35	12.65
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
	Groundwater Elevation (ft amsl)	217.96	218.31	217.96	218.31	218.06	218.33	218.41	216.74	218.05	218.29	217.53	218.36	218.17
	Measured Depth to Bottom (ft btoc)	12.75	9.65	12.11	14.65	12.29	12.29	11.93	18.35	14.10	13.60	11.82	9.35	12.64
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
	Groundwater Elevation (ft amsl)	217.91	ND	218.51	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	12.29	11.93	18.35	14.10	13.60	11.82	9.35	12.64

**LEGEND**

ft btoc      feet below top of casing

ft amsl      feet above mean sea level

ND      No Data - MW-5, MW-12 not accessible on 1/15/21 for gauging during synoptic groundwater level monitoring.

MW-4 Not located on 12/13/21 for gauging synoptic groundwater level monitoring.  
 MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-12, MW-13, MW-14, PES-MW-4, PES-MW-5, PES-MW-6 located on 4/3/2020 (not licensed surveyor)

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

Lab Report No.: ID: Date Collected:	NY-NYSDEC CLASS GA CRITERIA	Volatile Organic Compounds (VOCs) (ug/l)									
		MW-2 12/13/2021	MW-12 12/13/2021	MW-13 12/14/2021	MW-14 12/13/2021	MW-5 12/14/2021	MW-6R 12/14/2021	MW-8 12/13/2021	PES-MW-4 12/13/2021	PES-MW-5 12/13/2021	PES-MW-6 12/13/2021
1,1-Dichloroethylene	5	<0.23	<0.23	<0.23	<0.23	1.2	<0.23	<0.23	<0.23	<0.23	<0.23
1,2-Dichloroethane	0.6	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	1.7	<0.19	<0.19
2-Butanone (MEK)	50	<1.3	<1.3	<1.3	<1.3	2.3	<1.3	194	31.8	10.9	<1.3
Acetone	50	<1.6	<1.6	<1.6	<1.6	2.8	<1.6	62.3	34	15.5	<1.6
Benzene	1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	1.4	0.22	<0.22
Carbon disulfide	60	<0.25	<0.25	<0.25	<0.25	6.4	<0.25	<0.25	<0.25	<0.25	<0.25
Chloromethane	5	<0.2	<0.2	2.4	<0.2	<0.2	<0.2	<0.2	1.5	1.3	<0.2
cis-1,2-Dichloroethylene	5	3.8	7.6	1.9	0.24	191	199	649	35.9	6.8	242
METHYL ACETATE	NP	<0.57	<0.57	<0.57	<0.57	1.7	<0.57	<0.57	<0.57	<0.57	<0.57
Toluene	5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	7.3	<0.2	<0.2
trans-1,2-Dichloroethylene	5	<0.19	<0.19	<0.19	<0.19	4.3	1.9	1.1	<0.19	67	<0.19
Trichloroethylene	5	<0.22	<0.22	<0.22	<0.22	49.6	<0.22	<0.22	6.2	<0.22	<0.22
Vinyl Chloride	2	10.7	3.1	12	<0.33	70.9	86.5	6,170	23.5	6.3	377

## Legend

## Notes:

- <1 Parameter not detected above the method detection limit
- <1 ug/L = micrograms per Kilogram
- <1 VOCs = Volatile Organic Compounds
- <1 NP = Not promulgated

Indicates the method detection limit is greater than one or more applicable comparison criteria

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

# ATTACHMENT A

## Low-Flow Sampling Logs



HRP Associates, Inc.

PAGE: | OF |

SAMPLE DATE: 12/13/21

TOTAL # WELLS: 1

Client Name:	<u>NYSDEL</u>	Sample Pump:	<u>Per.</u>
Project Location:	<u>222 S. Ferry St.</u>	Tubing Type:	<u>1/4" HOPE</u>
Sampler(s):		Monitoring Equipment:	<u>YST</u>
Well I.D.	<u>MW-2</u>	Screen Setting (ft btoc):	<u>5</u> to <u>15</u>
Well Diameter (inches):	<u>1"</u>	Tubing Intake (ft btoc):	<u>10</u>
Total Depth (ft btoc):	<u>12.71</u>	Comments:	
Depth to Water (ft btoc):	<u>5.93</u>		

#### **Well Condition:**

**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

#### Sample Time:

1105

Reviewed By:

PL

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



## Low-Flow Sampling Log

Client Name:	NYSDEC	Sample Pump:	Petri
Project Location:	222 S. Ferry St., Schenectady, NY	Tubing Type:	1/4" HDPE
Sampler(s):	PL	Monitoring Equipment:	YSI
Well I.D.:	MR-6R	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	2	Tubing Intake (ft btoc):	
Total Depth (ft btoc):	14.65	Comments:	
Depth to Water (ft btoc):	6.01		

## Well Condition:

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity μs/cm	pH	ORP (mV)	Turbidity NTU
0	6.01	250	14.7	1.5	1811	6.83	73.9	62.3
3	6.04		14.8	0.7	1936	6.24	221	6.86
6	6.04		14.7	0.5	1681	6.41	-14.1	7.77
9	6.04		14.4	0.4	1162	6.68	-58.0	8.40
12	6.04		14.2	0.4	1069	6.71	-82.3	5.18
15	6.04		14.2	0.4	1087	6.71	-84.0	4.90
18	6.04		14.2	0.4	1163	6.67	-86.8	4.12
21	6.04		14.2	0.4	1255	6.60	-91.4	3.61
24	6.04		14.2	0.4	1298	6.57	-94.3	3.93
27	6.04		14.2	0.4	1340	6.55	-98.2	3.24
30	6.04	✓	14.2	0.4	1360	6.54	-100.4	3.16
33	6.04	250	14.2	0.4	1377	6.56	-102.7	3.02

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

Sample Time:	0958	Reviewed By:	PL
ft bloc	feet below top of casing	NTU	Nephelometric Turbidity Units
ml/min	milliliters per minute	mg/l	milligrams per liter
μs/cm	microseimons per centimeter	mv	Degrees Celsius millivolts

HRP Associates, Inc.

PAGE: | OF |

SAMPLE DATE: 12/13/2011

TOTAL # WELLS: 10

## Low-Flow Sampling Log

Client Name:	<u>NYSDDEC</u>	Sample Pump:	<u>Peri.</u>
Project Location:	<u>222 S. Ferry St., Schenectady, NY</u>	Tubing Type:	<u>1/4" HOPE</u>
Sampler(s):	<u>PL</u>	Monitoring Equipment:	<u>YSS</u>
Well I.D.	<u>MW8</u>	Screen Setting (ft btoc):	<u>5</u> to <u>15</u>
Well Diameter (inches):	<u>1</u>	Tubing Intake (ft btoc):	<u>10</u>
Total Depth (ft btoc):	<u>12.50</u>	Comments:	<u>Collected NYSDEC &amp; FD.</u>
Depth to Water (ft btoc):	<u>5.75</u>		<u>Only for VOLs ✓ NYSDEC &amp; FD</u>

**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Sample Time:	<u>1520</u>	Reviewed By:	<u>PL</u>		
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	microseimmons per centimeter				



## Low-Flow Sampling Log

Client Name:	NYSDPC	Sample Pump:	Peri
Project Location:	222 S. Ferry St.	Tubing Type:	1/4" NDIPE
Sampler(s):		Monitoring Equipment:	YSI
Well I.D.:	MW-12	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	2	Tubing Intake (ft btoc):	10
Total Depth (ft btoc):	14.10	Comments:	
Depth to Water (ft btoc):	6.05		

## Well Condition:

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity μs/cm	pH	ORP (mV)	Turbidity NTU
0	6.05	400	16.0	0.8	1053	7.54	-134.8	2.7
3	6.15	1	15.3	0.6	774	7.44	-140.6	1.7
6	6.23		15.1	0.5	706	7.38	-141.9	1.9
9	6.23		15.0	0.6	735	7.34	-141.7	1.9
12	6.23		15.1	0.6	777	7.29	-133.0	7.9
15	6.23		15.2	0.5	799	7.30	-137.0	57.2
18	6.23		15.1	0.4	817	7.30	-141.0	39.3
21	6.23		15.0	0.4	824	7.31	-142.8	20.8
24	6.23		15.0	0.4	846	7.31	-144.2	17.8
27	6.23		15.0	0.4	867	7.31	-146.9	11.3
30	6.23		15.0	0.4	882	7.30	-147.9	4.95
33	6.23	V	15.0	0.4	895	7.31	-149.0	4.89

## Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Depth to Water TO (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity μs/cm	pH	ORP (mV)	Turbidity NTU
36	6.23	400	15.0	0.4	903	7.30	-149.9	4.31
Recommended Stabilization	± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)								

Sample Time:	1626	Reviewed By:	RL
ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units
ml/min	milliliters per minute	mg/l	milligrams per liter
μs/cm	microseimons per centimeter	mv	Degrees Celsius millivolts



HRP Associates, Inc.

PAGE: 1 OF 1SAMPLE DATE: 12/13/21TOTAL # WELLS: 10

## Low-Flow Sampling Log

Client Name:	<u>NYSDEC</u>	Sample Pump:	<u>Peri</u>
Project Location:	<u>222 S. Ferry St.</u>	Tubing Type:	<u>1/4" HOPE</u>
Sampler(s):	<u>R. Lendrowski</u>	Monitoring Equipment:	<u>PSI</u>
Well I.D.	<u>MW-19</u>	Screen Setting (ft btoc):	<u>2 to 12</u>
Well Diameter (inches):	<u>2"</u>	Tubing Intake (ft btoc):	<u>8</u>
Total Depth (ft btoc):	<u>11.82</u>	Comments:	
Depth to Water (ft btoc):	<u>5.05</u>		

## Well Condition:

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity μs/cm	pH	ORP (mV)	Turbidity NTU
0	5.05	200	14.3	1.0	820	7.13	-75.2	79.3
3	5.15		14.5	0.7	834	7.09	-109.2	135
6	5.25		14.0	0.7	827	7.08	-105.3	50.1
9	5.27		14.0	0.6	820	7.04	-95.1	24.4
12	5.28		14.0	0.6	815	6.99	-92.1	19.5
15	5.28		14.0	0.6	808	6.98	-90.5	19.9
18	5.29		14.0	0.6	802	7.01	-88.0	13.7
21	5.28		14.0	0.6	799	7.06	-84.9	9.42
24	5.28	↓	14.0	0.6	797	6.97	-82.6	9.18
27	5.28	200	14.0	0.6	796	6.97	-81.9	9.23

## Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time	Depth to Water	Evacuation Rate	Temperature	DO	Conductivity	pH	ORP	Turbidity
FROM	TO	(ft btoc)	(mL/min)	(°C)	mg/L	μs/cm	(mV)	NTU
Recommended Stabilization	± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)								

Sample Time:	<u>1150</u>	Reviewed By:	<u>RL</u>
ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units
ml/min	milliliters per minute	mg/l	milligrams per liter
μs/cm	microseimons per centimeter	°C	Degrees Celsius
		mv	millivolts



## Low-Flow Sampling Log

Client Name:	NYSDEC	Sample Pump:	Peri.
Project Location:	222 S. Ferry St., Schenectady, NY	Tubing Type:	1/4" HOPE
Sampler(s):	PC	Monitoring Equipment:	YSI
Well I.D.	PES-MW-4	Screen Setting (ft btoc):	5 to 10
Well Diameter (inches):	1	Tubing Intake (ft btoc):	8
Total Depth (ft btoc):	8.35	Comments:	Lots of bubbles
Depth to Water (ft btoc):	5.89		

**Well Condition:**

**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Sample Time: 1915 Reviewed By: 705

Reviewed By: RV

8

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	microseimons per centimeter				

## Low-Flow Sampling Log

Client Name:	nysDEC	Sample Pump:	per:
Project Location:	222 S. Ferry St, Schenectady, NY	Tubing Type:	1/4" HOPE
Sampler(s):	RL	Monitoring Equipment:	ySD
Well I.D.	PES-MW-5	Screen Setting (ft btoc):	8 to 13
Well Diameter (inches):	1	Tubing Intake (ft btoc):	10
Total Depth (ft btoc):	12.65	Comments:	Lots of bubbles
Depth to Water (ft btoc):	5.84		

## Well Condition:

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity μs/cm	pH	ORP (mV)	Turbidity NTU
0	5.84	200	16.2	0.1	1408	7.11	-108.3	425
3	5.86	200	16.1	0.8	1419	7.09	-127.0	77.5
6	5.87	150	16.0	0.7	1455	7.09	-141.0	30.4
9	5.87	150	15.9	0.6	1515	7.09	-154.7	54.4
12	5.87	150	16.0	0.5	1572	7.11	-165.0	32.3
15	5.87	150	16.0	0.5	1579	7.11	-166.9	28.5
18	5.87	150	16.0	0.5	1589	7.10	-167.2	32.3
21	5.87	150	16.0	0.5	1587	7.10	-167.3	20.5
24	5.87	150	16.0	0.4	1587	7.10	-167.5	21.5
27	5.87	150	16.0	0.4	1585	7.11	-168.3	21.4

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

Sample Time:	1334	Reviewed By:	RL
ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units
ml/min	milliliters per minute	mg/l	milligrams per liter
μs/cm	microseimons per centimeter	°C	Degrees Celsius
		mv	millivolts

SAMPLE DATE:

12/13/21

TOTAL # WELLS:

10

## Low-Flow Sampling Log

Client Name:	<u>NYSDEC</u>	Sample Pump:	<u>Per.</u>
Project Location:	<u>222 S. Ferry St.</u>	Tubing Type:	<u>1/4" HDPE</u>
Sampler(s):		Monitoring Equipment:	<u>YSI</u>
Well I.D.	<u>PES-MW-6</u>	Screen Setting (ft btoc):	<u>4 to 14</u>
Well Diameter (inches):	<u>1</u>	Tubing Intake (ft btoc):	<u>10 → 14.26</u>
Total Depth (ft btoc):	<u>14.26</u>	Comments:	<u>lots of bubbles</u>
Depth to Water (ft btoc):	<u>6.10</u>		

## Well Condition:

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity μs/cm	pH	ORP (mV)	Turbidity NTU
0	6.10	250	15.6	1.0	1163	6.93	-81.8	216
3	7.00	250	15.3	1.0	1136	7.07	-135.5	226
6	9.74	250	15.3	1.1	1138	7.07	-136.1	101
9	10.87	250	15.4	1.0	1142	7.08	-136.5	91.4
12	10.90	100	15.4	1.1	1142	7.09	-136.7	21.1
15	10.90	100	15.4	1.3	1141	7.10	-134.6	27.1
18	10.90	100	15.4	1.4	1137	7.07	-131.6	48.1
21	11.60	100	15.4	1.6	1218	7.02	-127.6	OR
24	13.50	100	15.5	1.0	1163	7.08	-132.7	633
27	Dry	-						
<i>Reversed to 90' in recovery @ 1250. Collected sample</i>								

## Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time	Depth to Water	Evacuation Rate	Temperature	DO	Conductivity	pH	ORP	Turbidity
FROM	TO	(ft btoc)	(mL/min)	(°C)	mg/L	μs/cm	(mV)	NTU
Recommended Stabilization	± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)								

Sample Time: 1250Reviewed By: PL

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

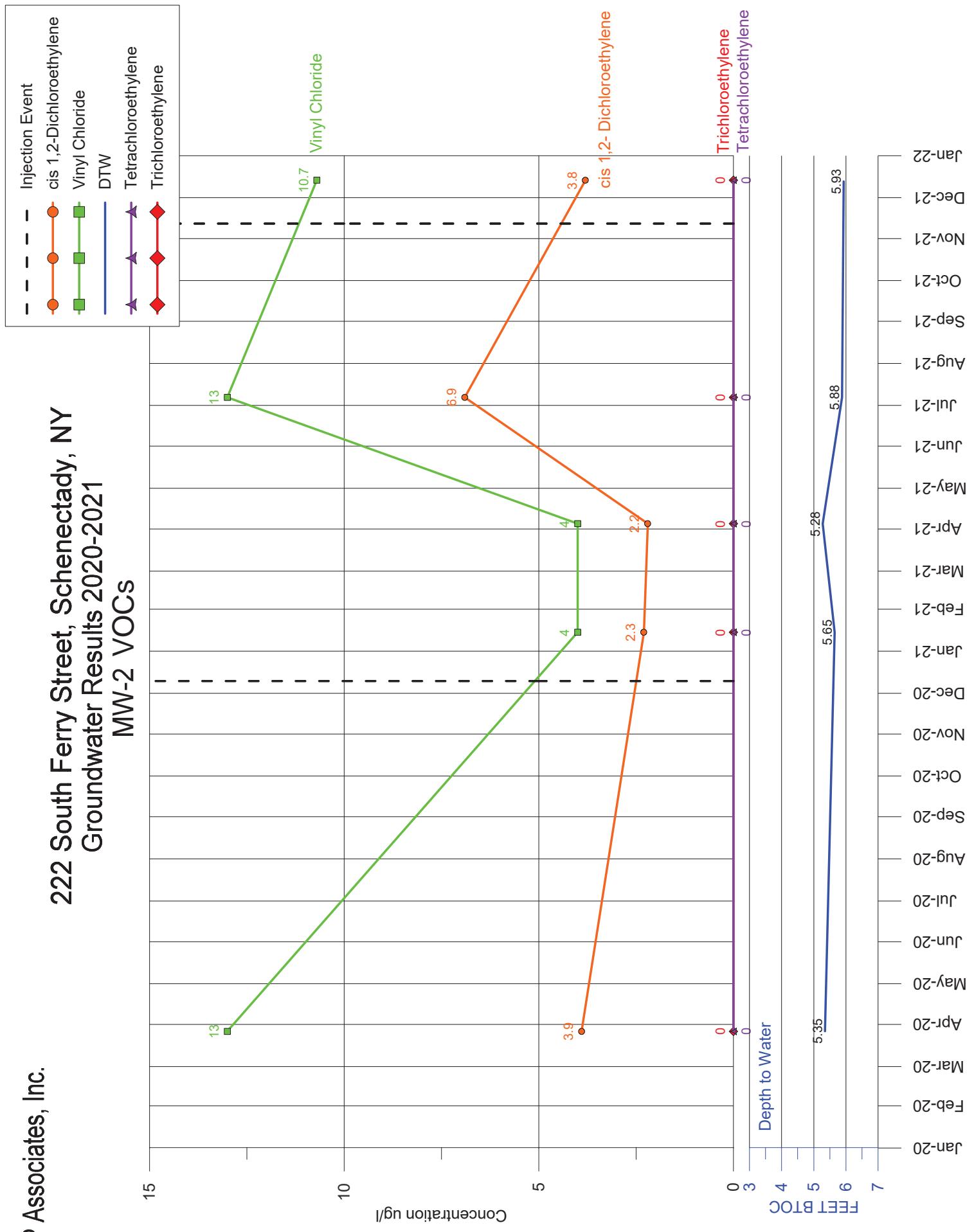
microseimons per centimeter

# ATTACHMENT B

## VOC and Groundwater Elevation Graphs



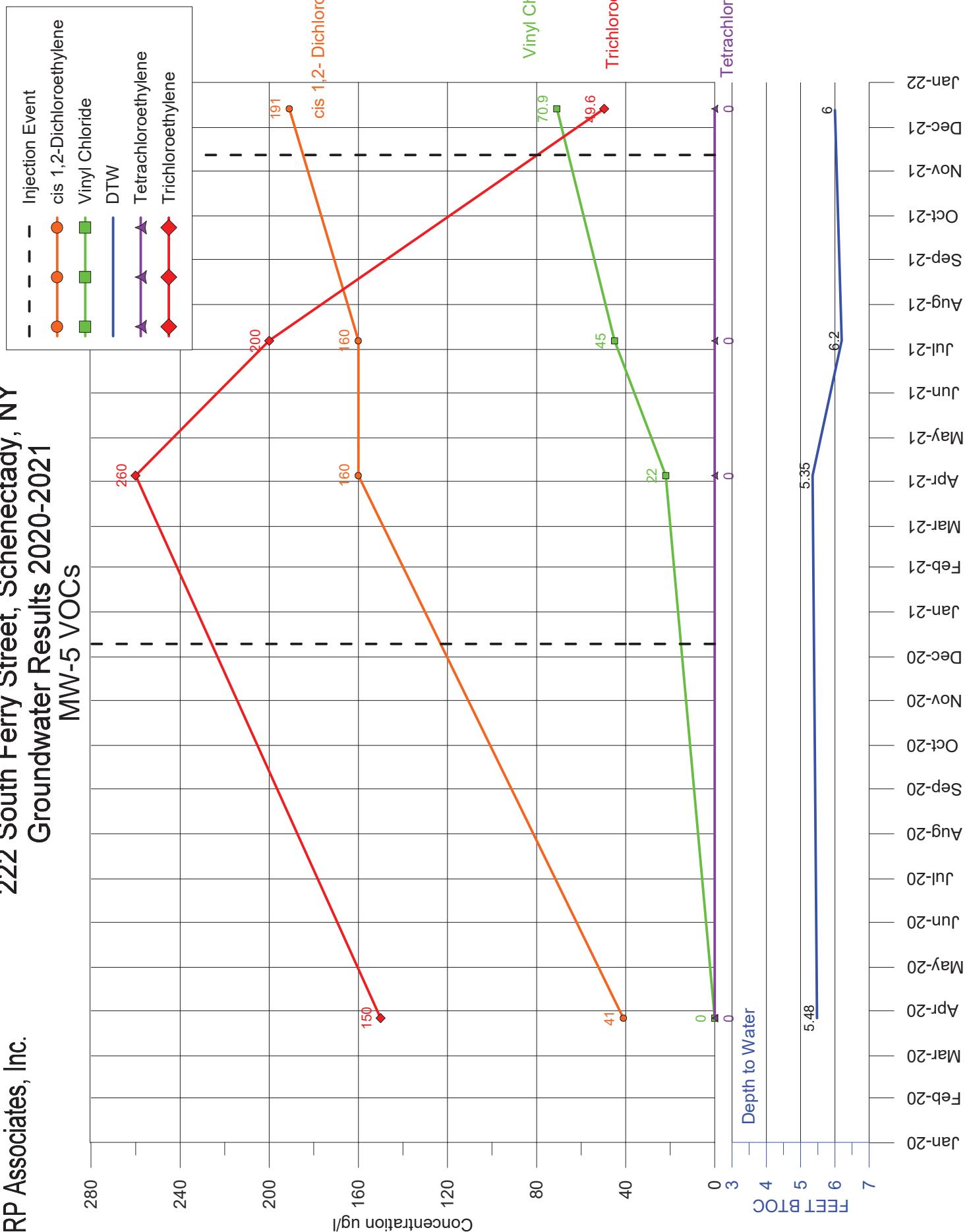
## 222 South Ferry Street, Schenectady, NY Groundwater Results 2020-2021 MW-2 VOCs



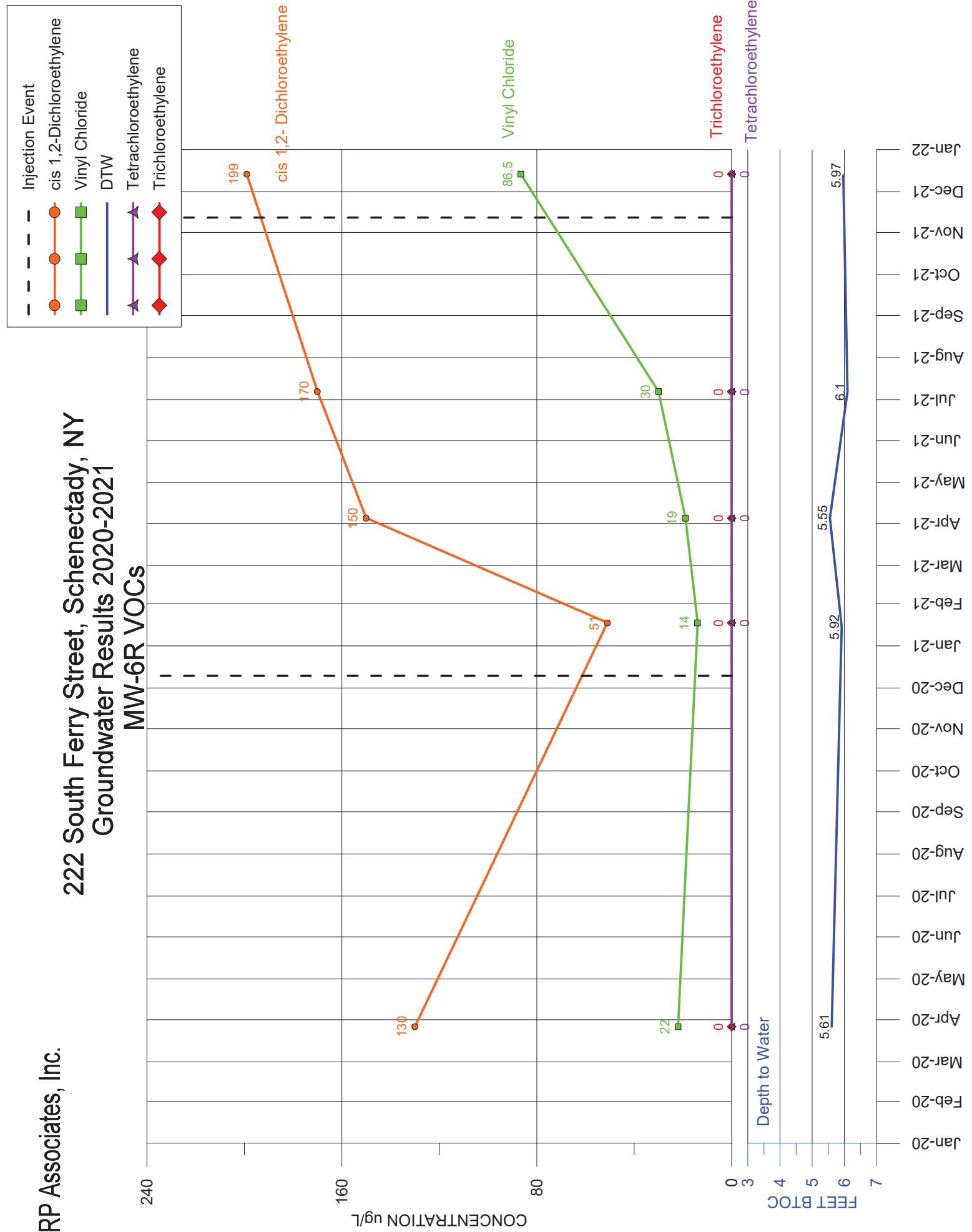
# 222 South Ferry Street, Schenectady, NY

## Groundwater Results 2020-2021

### MW-5 VOCs



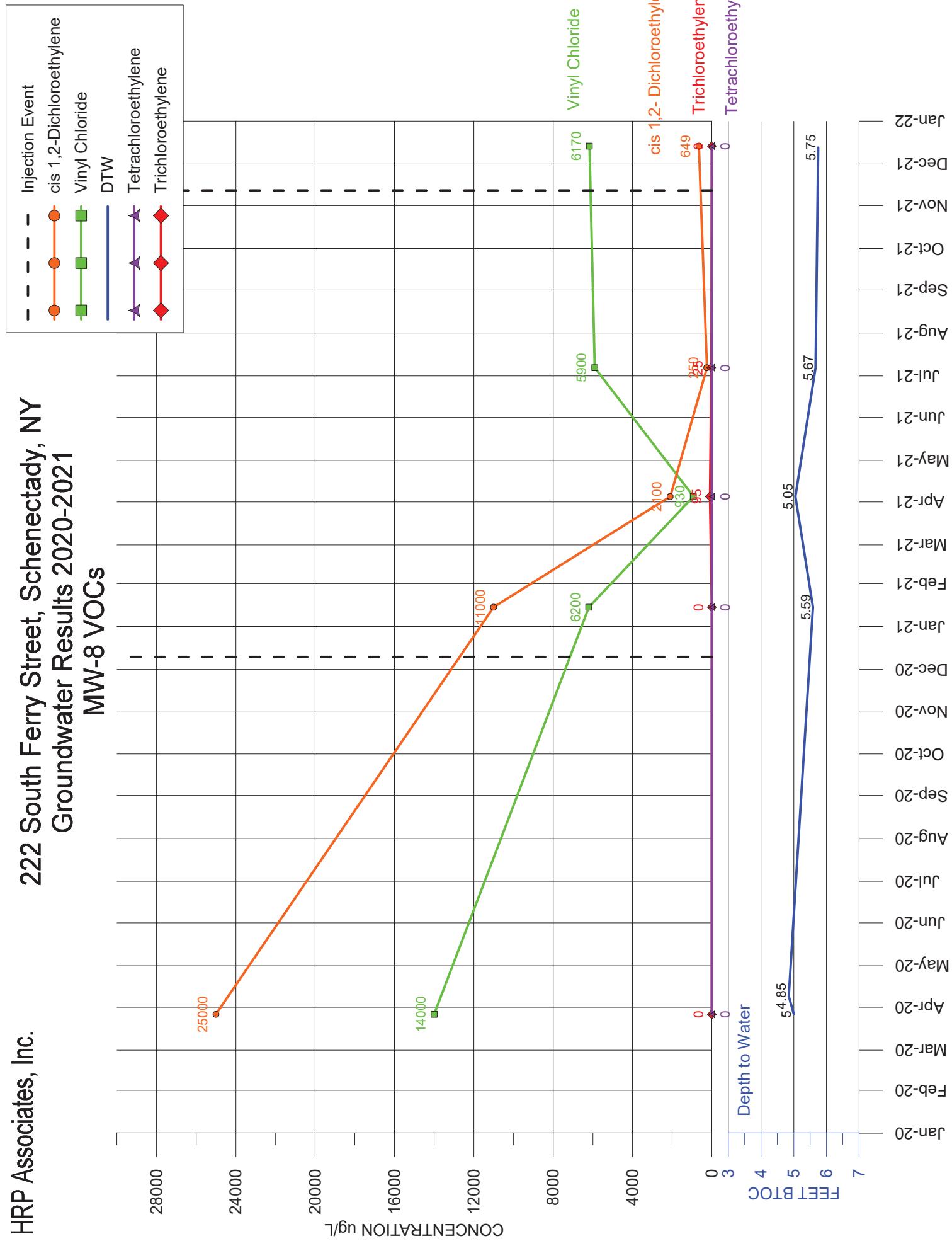
## 222 South Ferry Street, Schenectady, NY Groundwater Results 2020-2021 MW-6R VOCs



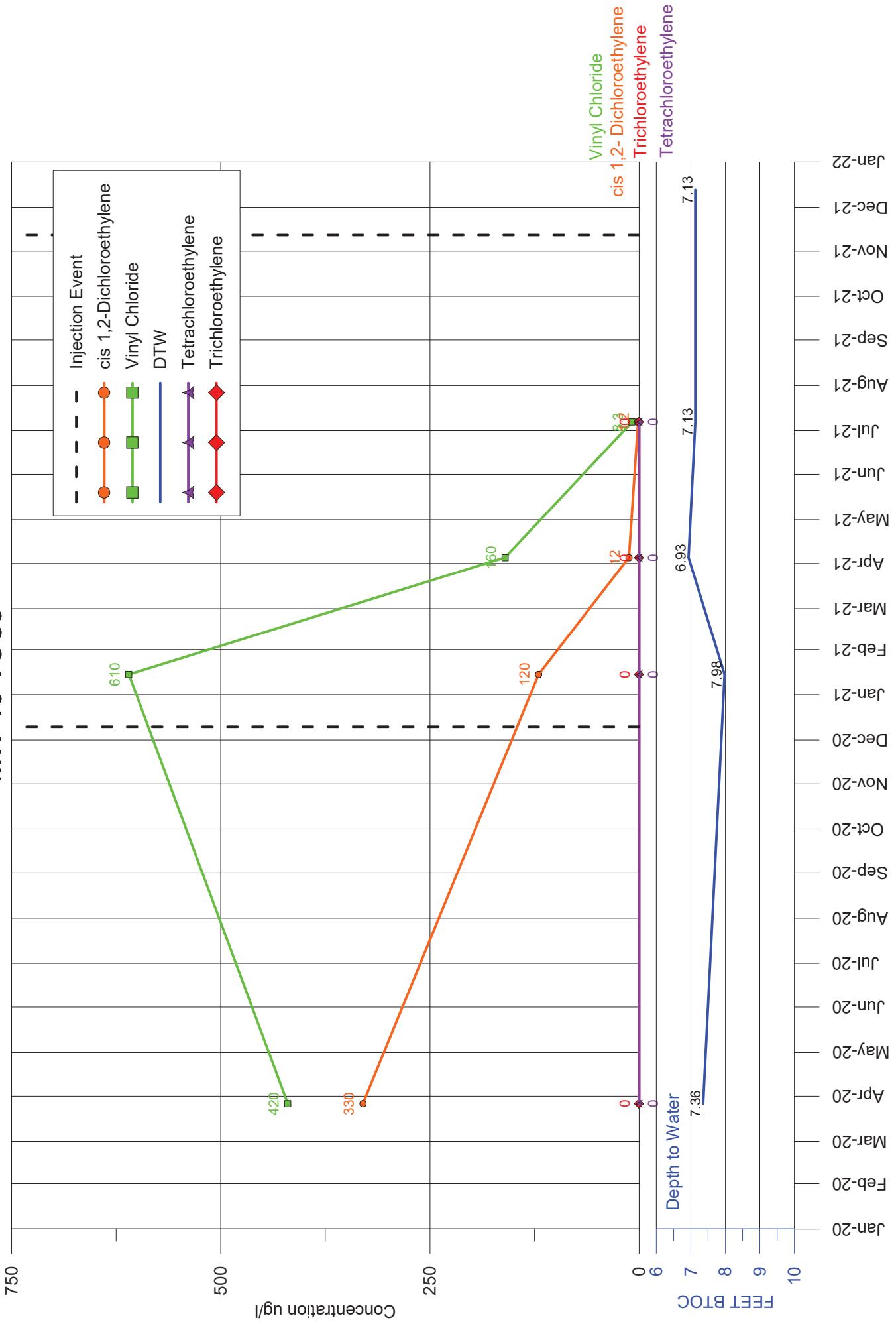
# 222 South Ferry Street, Schenectady, NY

## Groundwater Results 2020-2021

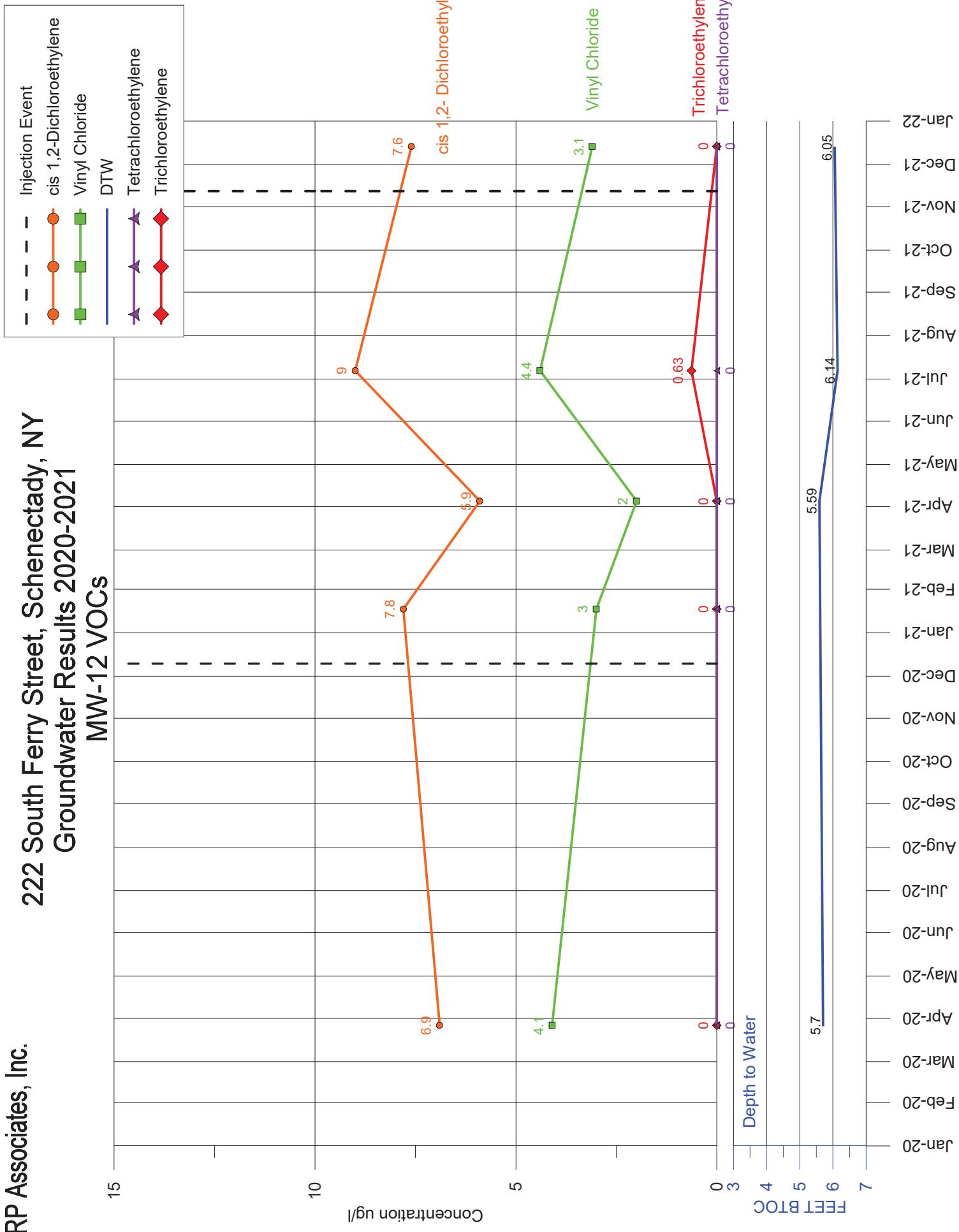
### MW-8 VOCs



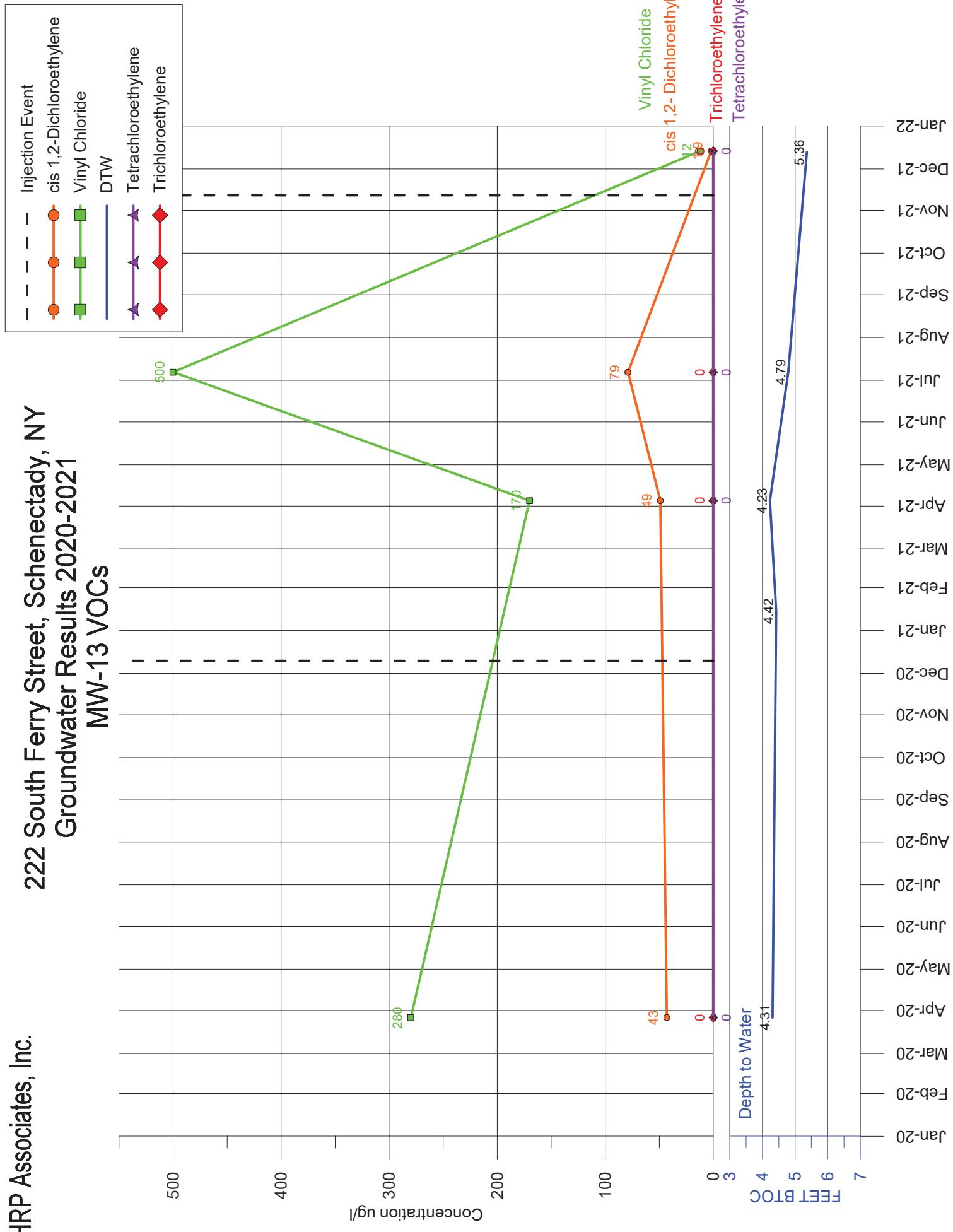
**222 South Ferry Street, Schenectady, NY**  
**Groundwater Results 2020-2021**  
**MW-10 VOCs**



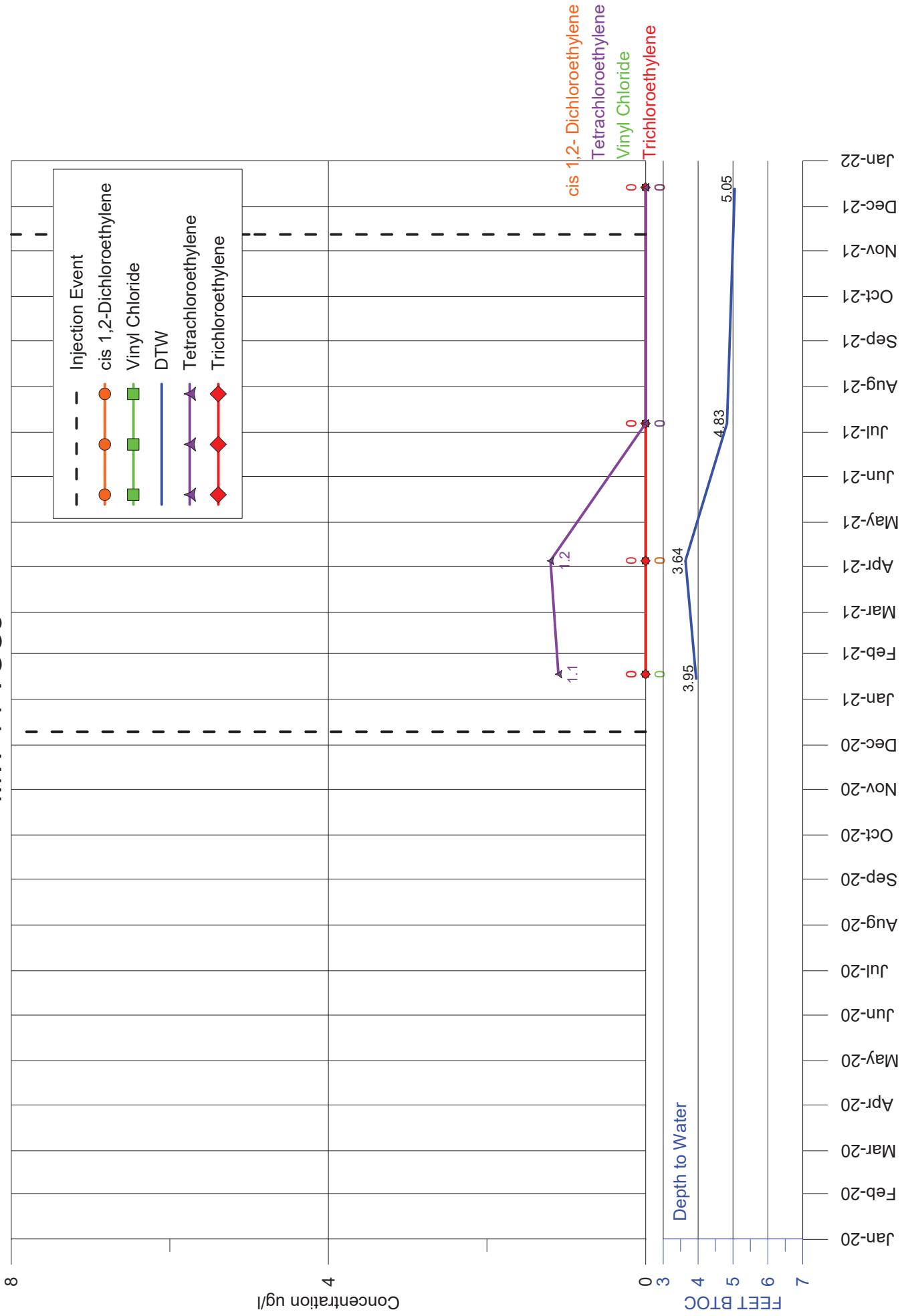
## 222 South Ferry Street, Schenectady, NY Groundwater Results 2020-2021



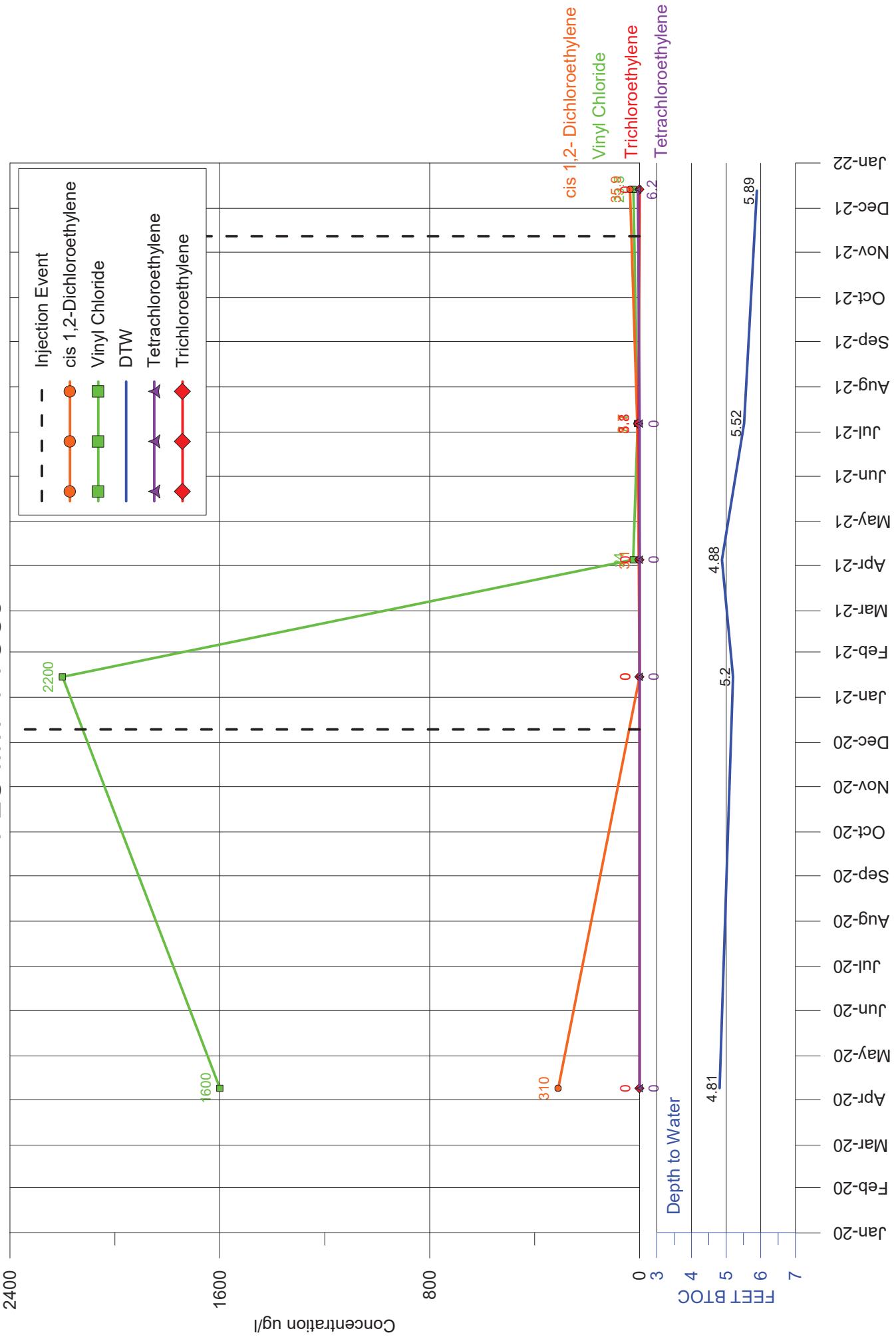
## 222 South Ferry Street, Schenectady, NY Groundwater Results 2020-2021



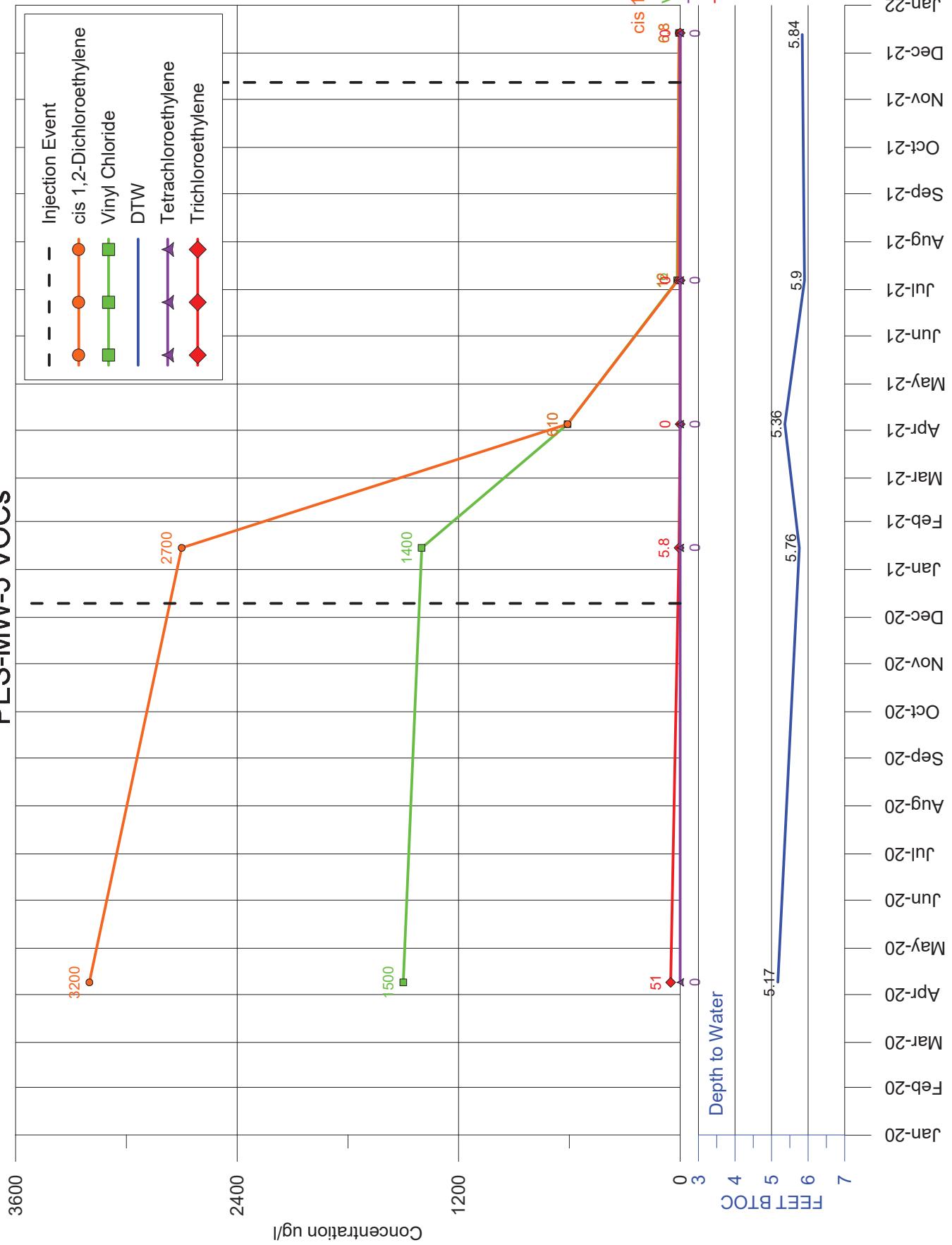
222 South Ferry Street, Schenectady, NY  
Groundwater Results 2020-2021  
MW-14 VOCs



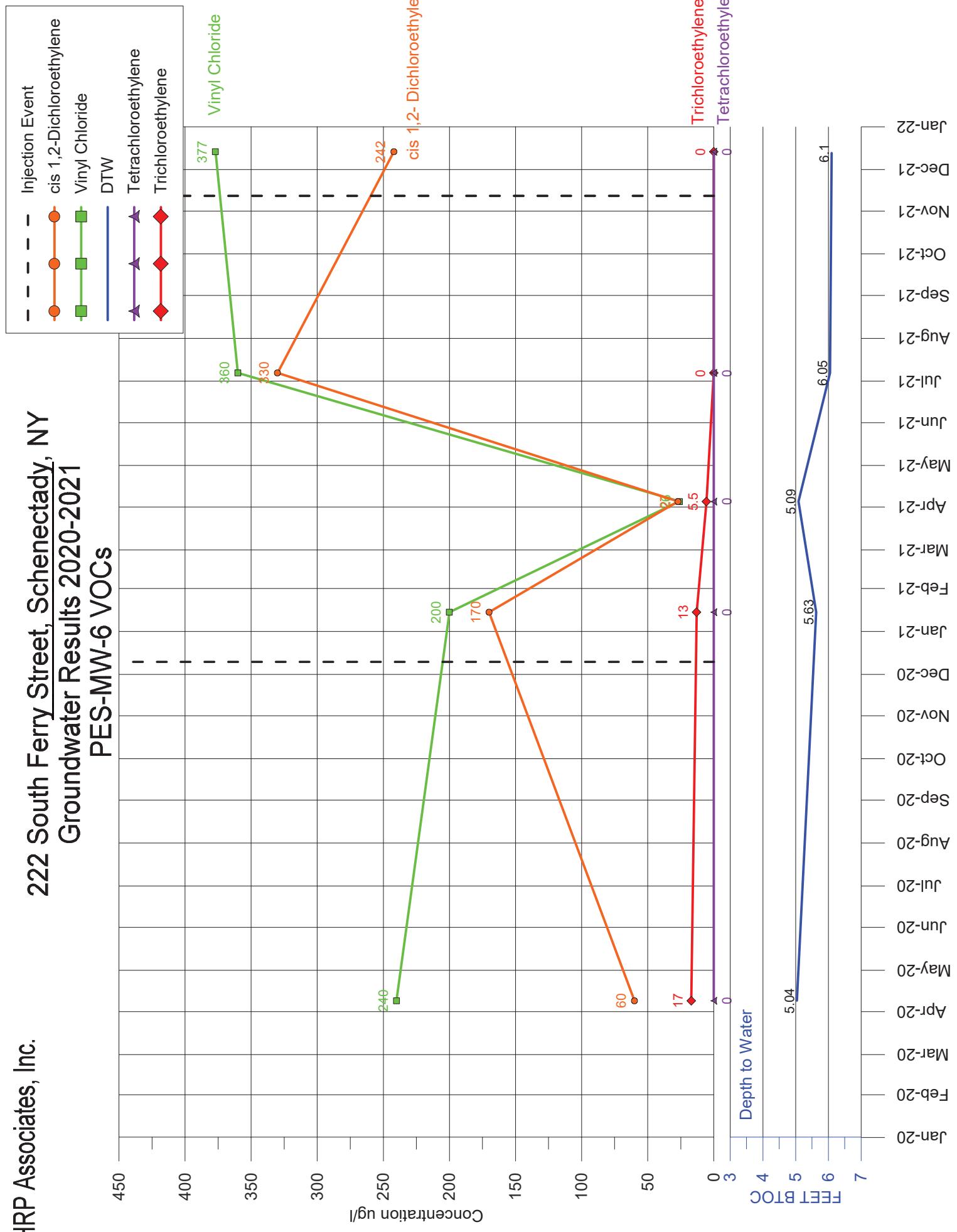
**222 South Ferry Street, Schenectady, NY**  
**Groundwater Results 2020-2021**  
**PES-MW-4 VOCs**



**222 South Ferry Street, Schenectady, NY**  
**Groundwater Results 2020-2021**



222 South Ferry Street, Schenectady, NY  
Groundwater Results 2020-2021  
PES-MW-6 VOCs



# ATTACHMENT C

## Laboratory Analytical Report



January 05, 2022

Mark Wright  
HRP Associates Inc

,

RE: Project: 222 FERRY STREET 12/13  
Pace Project No.: 70197977

Dear Mark Wright:

Enclosed are the analytical results for sample(s) received by the laboratory on December 15, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lea Sherman  
lea.sherman@pacelabs.com  
(631)694-3040  
Project Manager

Enclosures

cc: Ruth Curley, NYDEC  
Patrick Montuori, HRP Associates, Inc.  
EDD Recipient, HRP Associates



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 222 FERRY STREET 12/13  
Pace Project No.: 70197977

---

### **Pace Analytical Services Long Island**

575 Broad Hollow Rd, Melville, NY 11747  
Connecticut Certification #: PH-0435  
Delaware Certification # NY 10478  
Maryland Certification #: 208  
Massachusetts Certification #: M-NY026  
New Hampshire Certification #: 2987

New Jersey Certification #: NY158  
New York Certification #: 10478 Primary Accrediting Body  
Pennsylvania Certification #: 68-00350  
Rhode Island Certification #: LAO00340  
Virginia Certification # 460302

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## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** RSK-175

**Description:** RSK 175 Dissolved Gases

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

### General Information:

3 samples were analyzed for RSK-175 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with RSK-175 with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** EPA 6010C

**Description:** 6010 MET ICP

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

### General Information:

4 samples were analyzed for EPA 6010C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 238353

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70197631001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1203867)
- Manganese

QC Batch: 238355

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70197977009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1203884)
- Iron
- Manganese

### Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** EPA 6010C

**Description:** 6010 MET ICP, Dissolved

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

### General Information:

4 samples were analyzed for EPA 6010C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

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**Method:** EPA 8260C/5030C

**Description:** 8260C Volatile Organics

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

### General Information:

12 samples were analyzed for EPA 8260C/5030C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 237976

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 1201905)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- LCS (Lab ID: 1201906)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MS (Lab ID: 1202152)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MSD (Lab ID: 1202153)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MW02\_12132021 (Lab ID: 70197977002)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MW12\_12132021 (Lab ID: 70197977001)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MW14\_12132021 (Lab ID: 70197977003)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- PES-MW-6\_12132021 (Lab ID: 70197977004)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane

QC Batch: 238162

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 1202881)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- DUP-01\_12132021 (Lab ID: 70197977012)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** EPA 8260C/5030C

**Description:** 8260C Volatile Organics

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

QC Batch: 238162

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- LAB TRIP BLANK\_12132021 (Lab ID: 70197977011)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- LCS (Lab ID: 1202882)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MS (Lab ID: 1203246)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MSD (Lab ID: 1203247)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MW-13\_12142021 (Lab ID: 70197977010)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MW-5\_12142021 (Lab ID: 70197977008)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MW-6R\_12142021 (Lab ID: 70197977009)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- MW-8\_12132021 (Lab ID: 70197977007)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- PES-MW-4\_12132021 (Lab ID: 70197977006)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane
- PES-MW-5\_12132021 (Lab ID: 70197977005)
  - 1,2-Dibromoethane (EDB)
  - Bromodichloromethane

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 237976

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- BLANK (Lab ID: 1201905)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** EPA 8260C/5030C

**Description:** 8260C Volatile Organics

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

QC Batch: 237976

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- LCS (Lab ID: 1201906)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- MS (Lab ID: 1202152)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- MSD (Lab ID: 1202153)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- MW02\_12132021 (Lab ID: 70197977002)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- MW12\_12132021 (Lab ID: 70197977001)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- MW14\_12132021 (Lab ID: 70197977003)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- PES-MW-6\_12132021 (Lab ID: 70197977004)

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** EPA 8260C/5030C

**Description:** 8260C Volatile Organics

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

QC Batch: 237976

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- 1,2-Dibromo-3-chloropropane
- 2-Butanone (MEK)
- 2-Hexanone
- Acetone
- Bromoform
- Bromomethane

QC Batch: 238162

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- BLANK (Lab ID: 1202881)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- DUP-01\_12132021 (Lab ID: 70197977012)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- LAB TRIP BLANK\_12132021 (Lab ID: 70197977011)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- LCS (Lab ID: 1202882)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- MS (Lab ID: 1203246)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** EPA 8260C/5030C

**Description:** 8260C Volatile Organics

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

QC Batch: 238162

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- Bromomethane
- MSD (Lab ID: 1203247)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- MW-13\_12142021 (Lab ID: 70197977010)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- MW-5\_12142021 (Lab ID: 70197977008)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- MW-6R\_12142021 (Lab ID: 70197977009)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- MW-8\_12132021 (Lab ID: 70197977007)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane
- PES-MW-4\_12132021 (Lab ID: 70197977006)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

**Method:** EPA 8260C/5030C

**Description:** 8260C Volatile Organics

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

QC Batch: 238162

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- PES-MW-5\_12132021 (Lab ID: 70197977005)
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Bromomethane

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 237976

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70197895003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 1202153)
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - Methylcyclohexane

MS: Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

- MSD (Lab ID: 1202153)
  - Xylene (Total)

R1: RPD value was outside control limits.

- MSD (Lab ID: 1202153)
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1,2-Trichloroethane
  - 1,1,2-Trichlorotrifluoroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** EPA 8260C/5030C

**Description:** 8260C Volatile Organics

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

QC Batch: 237976

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70197895003

R1: RPD value was outside control limits.

- 1,2,4-Trichlorobenzene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- 2-Hexanone
- 4-Methyl-2-pentanone (MIBK)
- Benzene
- Carbon disulfide
- Carbon tetrachloride
- Chlorobenzene
- Chloroethane
- Chloroform
- Chloromethane
- Cyclohexane
- Dichlorodifluoromethane
- Ethylbenzene
- Isopropylbenzene (Cumene)
- Methyl acetate
- Methyl-tert-butyl ether
- Methylcyclohexane
- Methylene Chloride
- Styrene
- Tetrachloroethene
- Toluene
- Trichloroethene
- Trichlorofluoromethane
- Vinyl chloride
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

QC Batch: 238162

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70197977007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1203246)
  - Vinyl chloride
  - cis-1,2-Dichloroethene
- MSD (Lab ID: 1203247)

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** EPA 8260C/5030C

**Description:** 8260C Volatile Organics

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

QC Batch: 238162

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70197977007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Vinyl chloride
- cis-1,2-Dichloroethene

**Additional Comments:**

Analyte Comments:

QC Batch: 237976

RS: The RPD value in one of the constituent analytes was outside the control limits.

- MSD (Lab ID: 1202153)
- Xylene (Total)

QC Batch: 238162

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 1203246)
  - cis-1,2-Dichloroethene
  - Vinyl chloride
- MSD (Lab ID: 1203247)
  - cis-1,2-Dichloroethene
  - Vinyl chloride

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** SM22 2320B

**Description:** 2320B Alkalinity

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

**General Information:**

4 samples were analyzed for SM22 2320B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** SM22 4500-S2 F

**Description:** 4500S2F W Sulfide Iodometric

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

### General Information:

4 samples were analyzed for SM22 4500-S2 F by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** EPA 300.0

**Description:** 300.0 IC Anions 28 Days

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

**General Information:**

4 samples were analyzed for EPA 300.0 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

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**Method:** EPA 353.2

**Description:** 353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> unpres

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

### General Information:

4 samples were analyzed for EPA 353.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- MW-8\_12132021 (Lab ID: 70197977013)

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 237215

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70197977008,70198043001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1197836)
- Nitrate-Nitrite (as N)

QC Batch: 237216

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70197895003,70197977009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1197840)
- Nitrate-Nitrite (as N)

QC Batch: 237430

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70197977013,70198047003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1199230)
- Nitrate-Nitrite (as N)

### Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

### Additional Comments:

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

---

**Method:** EPA 353.2

**Description:** 353.2 Nitrogen, NO<sub>2</sub>

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

### General Information:

4 samples were analyzed for EPA 353.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- MW-8\_12132021 (Lab ID: 70197977013)

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 237204

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70197503016,70197895003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1197794)
- Nitrite as N

### Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

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**Method:** SM22 5310B

**Description:** 5310B TOC as NPOC

**Client:** NYDEC\_HRP Associates Inc- Clifton Park, NY

**Date:** January 05, 2022

### General Information:

4 samples were analyzed for SM22 5310B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW12_12132021	Lab ID: 70197977001	Collected: 12/13/21 10:26	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		12/21/21 21:27	67-64-1	v3
Benzene	<1.0	ug/L	1.0	1		12/21/21 21:27	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/21/21 21:27	75-27-4	IC
Bromoform	<1.0	ug/L	1.0	1		12/21/21 21:27	75-25-2	v3
Bromomethane	<1.0	ug/L	1.0	1		12/21/21 21:27	74-83-9	v3
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/21/21 21:27	78-93-3	v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/21/21 21:27	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/21/21 21:27	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/21/21 21:27	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/21/21 21:27	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/21/21 21:27	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/21/21 21:27	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		12/21/21 21:27	110-82-7	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/21/21 21:27	96-12-8	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		12/21/21 21:27	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/21/21 21:27	106-93-4	IC
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 21:27	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 21:27	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 21:27	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/21/21 21:27	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/21/21 21:27	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/21/21 21:27	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/21/21 21:27	75-35-4	
cis-1,2-Dichloroethene	7.6	ug/L	1.0	1		12/21/21 21:27	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/21/21 21:27	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/21/21 21:27	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/21/21 21:27	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/21/21 21:27	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/21/21 21:27	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/21/21 21:27	591-78-6	v3
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/21/21 21:27	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		12/21/21 21:27	79-20-9	
Methylcyclohexane	<1.0	ug/L	1.0	1		12/21/21 21:27	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		12/21/21 21:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/21/21 21:27	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		12/21/21 21:27	1634-04-4	
Styrene	<1.0	ug/L	1.0	1		12/21/21 21:27	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/21/21 21:27	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/21/21 21:27	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/21/21 21:27	108-88-3	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 21:27	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/21/21 21:27	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/21/21 21:27	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/21/21 21:27	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/21/21 21:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		12/21/21 21:27	76-13-1	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW12_12132021	Lab ID: 70197977001	Collected: 12/13/21 10:26	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Vinyl chloride	3.1	ug/L	1.0	1		12/21/21 21:27	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		12/21/21 21:27	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	98	%	81-122	1		12/21/21 21:27	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-118	1		12/21/21 21:27	460-00-4	
Toluene-d8 (S)	99	%	82-122	1		12/21/21 21:27	2037-26-5	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW02_12132021	Lab ID: 70197977002	Collected: 12/13/21 11:05	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		12/21/21 21:48	67-64-1	v3
Benzene	<1.0	ug/L	1.0	1		12/21/21 21:48	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/21/21 21:48	75-27-4	IC
Bromoform	<1.0	ug/L	1.0	1		12/21/21 21:48	75-25-2	v3
Bromomethane	<1.0	ug/L	1.0	1		12/21/21 21:48	74-83-9	v3
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/21/21 21:48	78-93-3	v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/21/21 21:48	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/21/21 21:48	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/21/21 21:48	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/21/21 21:48	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/21/21 21:48	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/21/21 21:48	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		12/21/21 21:48	110-82-7	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/21/21 21:48	96-12-8	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		12/21/21 21:48	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/21/21 21:48	106-93-4	IC
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 21:48	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 21:48	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 21:48	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/21/21 21:48	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/21/21 21:48	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/21/21 21:48	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/21/21 21:48	75-35-4	
cis-1,2-Dichloroethene	3.8	ug/L	1.0	1		12/21/21 21:48	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/21/21 21:48	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/21/21 21:48	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/21/21 21:48	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/21/21 21:48	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/21/21 21:48	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/21/21 21:48	591-78-6	v3
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/21/21 21:48	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		12/21/21 21:48	79-20-9	
Methylcyclohexane	<1.0	ug/L	1.0	1		12/21/21 21:48	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		12/21/21 21:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/21/21 21:48	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		12/21/21 21:48	1634-04-4	
Styrene	<1.0	ug/L	1.0	1		12/21/21 21:48	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/21/21 21:48	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/21/21 21:48	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/21/21 21:48	108-88-3	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 21:48	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/21/21 21:48	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/21/21 21:48	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/21/21 21:48	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/21/21 21:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		12/21/21 21:48	76-13-1	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW02_12132021	Lab ID: 70197977002	Collected: 12/13/21 11:05	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Vinyl chloride	<b>10.7</b>	ug/L	1.0	1		12/21/21 21:48	75-01-4	
Xylene (Total)	<b>&lt;3.0</b>	ug/L	3.0	1		12/21/21 21:48	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	100	%	81-122	1		12/21/21 21:48	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-118	1		12/21/21 21:48	460-00-4	
Toluene-d8 (S)	100	%	82-122	1		12/21/21 21:48	2037-26-5	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW14_12132021	Lab ID: 70197977003	Collected: 12/13/21 11:50	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		12/21/21 22:09	67-64-1	v3
Benzene	<1.0	ug/L	1.0	1		12/21/21 22:09	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/21/21 22:09	75-27-4	IC
Bromoform	<1.0	ug/L	1.0	1		12/21/21 22:09	75-25-2	v3
Bromomethane	<1.0	ug/L	1.0	1		12/21/21 22:09	74-83-9	v3
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/21/21 22:09	78-93-3	v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/21/21 22:09	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/21/21 22:09	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/21/21 22:09	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/21/21 22:09	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/21/21 22:09	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/21/21 22:09	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		12/21/21 22:09	110-82-7	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/21/21 22:09	96-12-8	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		12/21/21 22:09	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/21/21 22:09	106-93-4	IC
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 22:09	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 22:09	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 22:09	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/21/21 22:09	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/21/21 22:09	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/21/21 22:09	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/21/21 22:09	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/21/21 22:09	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/21/21 22:09	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/21/21 22:09	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/21/21 22:09	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/21/21 22:09	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/21/21 22:09	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/21/21 22:09	591-78-6	v3
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/21/21 22:09	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		12/21/21 22:09	79-20-9	
Methylcyclohexane	<1.0	ug/L	1.0	1		12/21/21 22:09	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		12/21/21 22:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/21/21 22:09	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		12/21/21 22:09	1634-04-4	
Styrene	<1.0	ug/L	1.0	1		12/21/21 22:09	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/21/21 22:09	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/21/21 22:09	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/21/21 22:09	108-88-3	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 22:09	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/21/21 22:09	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/21/21 22:09	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/21/21 22:09	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/21/21 22:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		12/21/21 22:09	76-13-1	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW14_12132021	Lab ID: 70197977003	Collected: 12/13/21 11:50	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Vinyl chloride	<1.0	ug/L	1.0	1		12/21/21 22:09	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		12/21/21 22:09	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	99	%	81-122	1		12/21/21 22:09	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-118	1		12/21/21 22:09	460-00-4	
Toluene-d8 (S)	99	%	82-122	1		12/21/21 22:09	2037-26-5	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: PES-MW-6_12132021	Lab ID: 70197977004	Collected: 12/13/21 12:50	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		12/21/21 22:30	67-64-1	v3
Benzene	<1.0	ug/L	1.0	1		12/21/21 22:30	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/21/21 22:30	75-27-4	IC
Bromoform	<1.0	ug/L	1.0	1		12/21/21 22:30	75-25-2	v3
Bromomethane	<1.0	ug/L	1.0	1		12/21/21 22:30	74-83-9	v3
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/21/21 22:30	78-93-3	v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/21/21 22:30	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/21/21 22:30	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/21/21 22:30	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/21/21 22:30	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/21/21 22:30	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/21/21 22:30	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		12/21/21 22:30	110-82-7	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/21/21 22:30	96-12-8	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		12/21/21 22:30	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/21/21 22:30	106-93-4	IC
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 22:30	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 22:30	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 22:30	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/21/21 22:30	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/21/21 22:30	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/21/21 22:30	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/21/21 22:30	75-35-4	
cis-1,2-Dichloroethene	242	ug/L	5.0	5		12/22/21 19:11	156-59-2	
trans-1,2-Dichloroethene	67.0	ug/L	1.0	1		12/21/21 22:30	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/21/21 22:30	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/21/21 22:30	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/21/21 22:30	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/21/21 22:30	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/21/21 22:30	591-78-6	v3
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/21/21 22:30	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		12/21/21 22:30	79-20-9	
Methylcyclohexane	<1.0	ug/L	1.0	1		12/21/21 22:30	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		12/21/21 22:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/21/21 22:30	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		12/21/21 22:30	1634-04-4	
Styrene	<1.0	ug/L	1.0	1		12/21/21 22:30	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/21/21 22:30	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/21/21 22:30	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/21/21 22:30	108-88-3	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		12/21/21 22:30	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/21/21 22:30	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/21/21 22:30	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/21/21 22:30	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/21/21 22:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		12/21/21 22:30	76-13-1	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: PES-MW-6_12132021	Lab ID: 70197977004	Collected: 12/13/21 12:50	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Vinyl chloride	377	ug/L	5.0	5		12/22/21 19:11	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		12/21/21 22:30	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	100	%	81-122	1		12/21/21 22:30	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-118	1		12/21/21 22:30	460-00-4	
Toluene-d8 (S)	100	%	82-122	1		12/21/21 22:30	2037-26-5	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: PES-MW-5_12132021	Lab ID: 70197977005	Collected: 12/13/21 13:34	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Acetone	1.9J	ug/L	5.0	1		12/22/21 18:07	67-64-1	v3
Benzene	<1.0	ug/L	1.0	1		12/22/21 18:07	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/22/21 18:07	75-27-4	IC
Bromoform	<1.0	ug/L	1.0	1		12/22/21 18:07	75-25-2	v3
Bromomethane	<1.0	ug/L	1.0	1		12/22/21 18:07	74-83-9	v3
2-Butanone (MEK)	2.6J	ug/L	5.0	1		12/22/21 18:07	78-93-3	v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/22/21 18:07	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/22/21 18:07	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:07	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/22/21 18:07	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/22/21 18:07	67-66-3	
Chloromethane	1.3	ug/L	1.0	1		12/22/21 18:07	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		12/22/21 18:07	110-82-7	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/22/21 18:07	96-12-8	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		12/22/21 18:07	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/22/21 18:07	106-93-4	IC
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:07	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:07	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:07	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/22/21 18:07	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:07	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:07	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/22/21 18:07	75-35-4	
cis-1,2-Dichloroethene	6.8	ug/L	1.0	1		12/22/21 18:07	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/22/21 18:07	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/22/21 18:07	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/22/21 18:07	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/22/21 18:07	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/22/21 18:07	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/22/21 18:07	591-78-6	v3
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/22/21 18:07	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		12/22/21 18:07	79-20-9	
Methylcyclohexane	<1.0	ug/L	1.0	1		12/22/21 18:07	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		12/22/21 18:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/22/21 18:07	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		12/22/21 18:07	1634-04-4	
Styrene	<1.0	ug/L	1.0	1		12/22/21 18:07	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/22/21 18:07	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/22/21 18:07	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/22/21 18:07	108-88-3	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:07	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:07	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:07	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/22/21 18:07	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/22/21 18:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		12/22/21 18:07	76-13-1	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: PES-MW-5_12132021	Lab ID: 70197977005	Collected: 12/13/21 13:34	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Vinyl chloride	6.3	ug/L	1.0	1		12/22/21 18:07	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		12/22/21 18:07	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	102	%	81-122	1		12/22/21 18:07	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-118	1		12/22/21 18:07	460-00-4	
Toluene-d8 (S)	99	%	82-122	1		12/22/21 18:07	2037-26-5	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: PES-MW-4_12132021	Lab ID: 70197977006	Collected: 12/13/21 14:15	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		12/22/21 18:28	67-64-1	v3
Benzene	<1.0	ug/L	1.0	1		12/22/21 18:28	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/22/21 18:28	75-27-4	IC
Bromoform	<1.0	ug/L	1.0	1		12/22/21 18:28	75-25-2	v3
Bromomethane	<1.0	ug/L	1.0	1		12/22/21 18:28	74-83-9	v3
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/22/21 18:28	78-93-3	v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/22/21 18:28	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/22/21 18:28	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:28	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/22/21 18:28	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/22/21 18:28	67-66-3	
Chloromethane	1.5	ug/L	1.0	1		12/22/21 18:28	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		12/22/21 18:28	110-82-7	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/22/21 18:28	96-12-8	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		12/22/21 18:28	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/22/21 18:28	106-93-4	IC
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:28	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:28	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:28	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/22/21 18:28	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:28	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:28	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/22/21 18:28	75-35-4	
cis-1,2-Dichloroethene	35.9	ug/L	1.0	1		12/22/21 18:28	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/22/21 18:28	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/22/21 18:28	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/22/21 18:28	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/22/21 18:28	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/22/21 18:28	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/22/21 18:28	591-78-6	v3
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/22/21 18:28	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		12/22/21 18:28	79-20-9	
Methylcyclohexane	<1.0	ug/L	1.0	1		12/22/21 18:28	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		12/22/21 18:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/22/21 18:28	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		12/22/21 18:28	1634-04-4	
Styrene	<1.0	ug/L	1.0	1		12/22/21 18:28	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/22/21 18:28	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/22/21 18:28	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/22/21 18:28	108-88-3	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:28	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:28	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:28	79-00-5	
Trichloroethene	6.2	ug/L	1.0	1		12/22/21 18:28	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/22/21 18:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		12/22/21 18:28	76-13-1	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: PES-MW-4_12132021	Lab ID: 70197977006	Collected: 12/13/21 14:15	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Vinyl chloride	<b>23.5</b>	ug/L	1.0	1		12/22/21 18:28	75-01-4	
Xylene (Total)	<b>&lt;3.0</b>	ug/L	3.0	1		12/22/21 18:28	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	101	%	81-122	1		12/22/21 18:28	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-118	1		12/22/21 18:28	460-00-4	
Toluene-d8 (S)	100	%	82-122	1		12/22/21 18:28	2037-26-5	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-8_12132021	Lab ID: 70197977007	Collected: 12/13/21 15:20	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Acetone	15.5	ug/L	5.0	1		12/22/21 18:49	67-64-1	v3
Benzene	1.4	ug/L	1.0	1		12/22/21 18:49	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/22/21 18:49	75-27-4	IC
Bromoform	<1.0	ug/L	1.0	1		12/22/21 18:49	75-25-2	v3
Bromomethane	<1.0	ug/L	1.0	1		12/22/21 18:49	74-83-9	v3
2-Butanone (MEK)	10.9	ug/L	5.0	1		12/22/21 18:49	78-93-3	v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/22/21 18:49	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/22/21 18:49	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:49	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/22/21 18:49	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/22/21 18:49	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/22/21 18:49	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		12/22/21 18:49	110-82-7	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/22/21 18:49	96-12-8	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		12/22/21 18:49	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/22/21 18:49	106-93-4	IC
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:49	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:49	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:49	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/22/21 18:49	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:49	75-34-3	
1,2-Dichloroethane	1.7	ug/L	1.0	1		12/22/21 18:49	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/22/21 18:49	75-35-4	
cis-1,2-Dichloroethene	649	ug/L	40.0	40		12/22/21 19:32	156-59-2	M1
trans-1,2-Dichloroethene	1.1	ug/L	1.0	1		12/22/21 18:49	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/22/21 18:49	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/22/21 18:49	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/22/21 18:49	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/22/21 18:49	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/22/21 18:49	591-78-6	v3
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/22/21 18:49	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		12/22/21 18:49	79-20-9	
Methylcyclohexane	<1.0	ug/L	1.0	1		12/22/21 18:49	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		12/22/21 18:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/22/21 18:49	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		12/22/21 18:49	1634-04-4	
Styrene	<1.0	ug/L	1.0	1		12/22/21 18:49	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/22/21 18:49	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/22/21 18:49	127-18-4	
Toluene	7.3	ug/L	1.0	1		12/22/21 18:49	108-88-3	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 18:49	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:49	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/22/21 18:49	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/22/21 18:49	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/22/21 18:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		12/22/21 18:49	76-13-1	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-8_12132021	Lab ID: 70197977007	Collected: 12/13/21 15:20	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Vinyl chloride	<b>6170</b>	ug/L	40.0	40		12/22/21 19:32	75-01-4	M1
Xylene (Total)	<b>&lt;3.0</b>	ug/L	3.0	1		12/22/21 18:49	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	100	%	81-122	1		12/22/21 18:49	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-118	1		12/22/21 18:49	460-00-4	
Toluene-d8 (S)	99	%	82-122	1		12/22/21 18:49	2037-26-5	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-5_12142021	Lab ID: 70197977008	Collected: 12/14/21 08:45	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 Dissolved Gases</b>	Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Ethane, Dissolved	1.4	ug/L	1.0	1	12/16/21 09:48	12/16/21 15:50	74-84-0	
Ethene, Dissolved	5.8	ug/L	1.0	1	12/16/21 09:48	12/16/21 15:50	74-85-1	
Methane, Dissolved	725	ug/L	215	215	12/16/21 09:48	12/20/21 10:19	74-82-8	
<b>6010 MET ICP</b>	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	127000	ug/L	100	1	12/26/21 14:00	12/30/21 22:07	7439-89-6	
Manganese	10500	ug/L	10.0	1	12/26/21 14:00	12/30/21 22:07	7439-96-5	
<b>6010 MET ICP, Dissolved</b>	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Iron, Dissolved	161000	ug/L	100	1		01/03/22 13:33	7439-89-6	
Manganese, Dissolved	9460	ug/L	10.0	1		01/03/22 13:33	7439-96-5	
<b>8260C Volatile Organics</b>	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Acetone	62.3	ug/L	5.0	1	12/22/21 20:14	67-64-1	v3	
Benzene	<1.0	ug/L	1.0	1	12/22/21 20:14	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1	12/22/21 20:14	75-27-4		
Bromoform	<1.0	ug/L	1.0	1	12/22/21 20:14	75-25-2	v3	
Bromomethane	<1.0	ug/L	1.0	1	12/22/21 20:14	74-83-9	v3	
2-Butanone (MEK)	194	ug/L	5.0	1	12/22/21 20:14	78-93-3	v3	
Carbon disulfide	6.4	ug/L	1.0	1	12/22/21 20:14	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1	12/22/21 20:14	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1	12/22/21 20:14	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1	12/22/21 20:14	75-00-3		
Chloroform	<1.0	ug/L	1.0	1	12/22/21 20:14	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1	12/22/21 20:14	74-87-3		
Cyclohexane	<1.0	ug/L	1.0	1	12/22/21 20:14	110-82-7		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1	12/22/21 20:14	96-12-8	v3	
Dibromochloromethane	<1.0	ug/L	1.0	1	12/22/21 20:14	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1	12/22/21 20:14	106-93-4	IC	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1	12/22/21 20:14	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1	12/22/21 20:14	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1	12/22/21 20:14	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1	12/22/21 20:14	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1	12/22/21 20:14	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1	12/22/21 20:14	107-06-2		
1,1-Dichloroethene	1.2	ug/L	1.0	1	12/22/21 20:14	75-35-4		
cis-1,2-Dichloroethene	191	ug/L	1.0	1	12/22/21 20:14	156-59-2		
trans-1,2-Dichloroethene	4.3	ug/L	1.0	1	12/22/21 20:14	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1	12/22/21 20:14	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1	12/22/21 20:14	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1	12/22/21 20:14	10061-02-6		
Ethylbenzene	<1.0	ug/L	1.0	1	12/22/21 20:14	100-41-4		

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-5_12142021	Lab ID: 70197977008	Collected: 12/14/21 08:45	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
2-Hexanone	<5.0	ug/L	5.0	1			12/22/21 20:14	591-78-6
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1			12/22/21 20:14	98-82-8
Methyl acetate	1.7	ug/L	1.0	1			12/22/21 20:14	79-20-9
Methylcyclohexane	<1.0	ug/L	1.0	1			12/22/21 20:14	108-87-2
Methylene Chloride	<1.0	ug/L	1.0	1			12/22/21 20:14	75-09-2
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1			12/22/21 20:14	108-10-1
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1			12/22/21 20:14	1634-04-4
Styrene	<1.0	ug/L	1.0	1			12/22/21 20:14	100-42-5
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1			12/22/21 20:14	79-34-5
Tetrachloroethene	<1.0	ug/L	1.0	1			12/22/21 20:14	127-18-4
Toluene	<1.0	ug/L	1.0	1			12/22/21 20:14	108-88-3
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1			12/22/21 20:14	120-82-1
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1			12/22/21 20:14	71-55-6
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1			12/22/21 20:14	79-00-5
Trichloroethene	49.6	ug/L	1.0	1			12/22/21 20:14	79-01-6
Trichlorofluoromethane	<1.0	ug/L	1.0	1			12/22/21 20:14	75-69-4
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1			12/22/21 20:14	76-13-1
Vinyl chloride	70.9	ug/L	1.0	1			12/22/21 20:14	75-01-4
Xylene (Total)	<3.0	ug/L	3.0	1			12/22/21 20:14	1330-20-7
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	99	%	81-122	1			12/22/21 20:14	17060-07-0
4-Bromofluorobenzene (S)	97	%	79-118	1			12/22/21 20:14	460-00-4
Toluene-d8 (S)	101	%	82-122	1			12/22/21 20:14	2037-26-5
<b>2320B Alkalinity</b>	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	647	mg/L	1.0	1			12/27/21 18:36	
<b>4500S2F W Sulfide Iodometric</b>	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville							
Sulfide	<2.0	mg/L	2.0	1			12/20/21 18:52	
<b>300.0 IC Anions 28 Days</b>	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	28.2	mg/L	2.0	1			12/28/21 05:51	16887-00-6
Sulfate	155	mg/L	25.0	5			12/28/21 13:19	14808-79-8
<b>353.2 Nitrogen, NO2/NO3 unpres</b>	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1			12/16/21 01:13	14797-55-8
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1			12/16/21 01:13	7727-37-9 M1
<b>353.2 Nitrogen, NO2</b>	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	0.033J	mg/L	0.050	1			12/15/21 22:39	14797-65-0

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-5_12142021	Lab ID: 70197977008	Collected: 12/14/21 08:45	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5310B TOC as NPOC</b>	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	1130	mg/L	100	100			12/29/21 16:01	7440-44-0

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-6R_12142021	Lab ID: 70197977009	Collected: 12/14/21 09:58	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 Dissolved Gases</b>	Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Ethane, Dissolved	<b>3.0</b>	ug/L	1.0	1	12/16/21 09:48	12/16/21 16:00	74-84-0	
Ethene, Dissolved	<b>6.9</b>	ug/L	1.0	1	12/16/21 09:48	12/16/21 16:00	74-85-1	
Methane, Dissolved	<b>1110</b>	ug/L	215	215	12/16/21 09:48	12/20/21 10:33	74-82-8	
<b>6010 MET ICP</b>	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	<b>216000</b>	ug/L	100	1	12/26/21 14:00	12/29/21 13:45	7439-89-6	M1
Manganese	<b>9010</b>	ug/L	10.0	1	12/26/21 14:00	12/29/21 13:45	7439-96-5	M1
<b>6010 MET ICP, Dissolved</b>	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Iron, Dissolved	<b>248000</b>	ug/L	100	1		01/03/22 13:44	7439-89-6	
Manganese, Dissolved	<b>10400</b>	ug/L	10.0	1		01/03/22 13:44	7439-96-5	
<b>8260C Volatile Organics</b>	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Acetone	<b>3.4J</b>	ug/L	5.0	1		12/22/21 20:35	67-64-1	v3
Benzene	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	71-43-2	
Bromodichloromethane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	75-27-4	
Bromoform	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	75-25-2	v3
Bromomethane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	74-83-9	v3
2-Butanone (MEK)	<b>31.8</b>	ug/L	5.0	1		12/22/21 20:35	78-93-3	v3
Carbon disulfide	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	75-15-0	
Carbon tetrachloride	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	56-23-5	
Chlorobenzene	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	108-90-7	
Chloroethane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	75-00-3	
Chloroform	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	67-66-3	
Chloromethane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	74-87-3	
Cyclohexane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	110-82-7	
1,2-Dibromo-3-chloropropane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	96-12-8	v3
Dibromochloromethane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	124-48-1	
1,2-Dibromoethane (EDB)	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	106-93-4	IC
1,2-Dichlorobenzene	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	95-50-1	
1,3-Dichlorobenzene	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	541-73-1	
1,4-Dichlorobenzene	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	106-46-7	
Dichlorodifluoromethane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	75-71-8	
1,1-Dichloroethane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	75-34-3	
1,2-Dichloroethane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	107-06-2	
1,1-Dichloroethene	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	75-35-4	
cis-1,2-Dichloroethene	<b>199</b>	ug/L	5.0	5		12/23/21 20:29	156-59-2	
trans-1,2-Dichloroethene	<b>1.9</b>	ug/L	1.0	1		12/22/21 20:35	156-60-5	
1,2-Dichloropropane	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	78-87-5	
cis-1,3-Dichloropropene	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	10061-01-5	
trans-1,3-Dichloropropene	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	10061-02-6	
Ethylbenzene	<b>&lt;1.0</b>	ug/L	1.0	1		12/22/21 20:35	100-41-4	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-6R_12142021	Lab ID: 70197977009	Collected: 12/14/21 09:58	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
2-Hexanone	<5.0	ug/L	5.0	1			12/22/21 20:35	591-78-6
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1			12/22/21 20:35	98-82-8
Methyl acetate	<1.0	ug/L	1.0	1			12/22/21 20:35	79-20-9
Methylcyclohexane	<1.0	ug/L	1.0	1			12/22/21 20:35	108-87-2
Methylene Chloride	<1.0	ug/L	1.0	1			12/22/21 20:35	75-09-2
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1			12/22/21 20:35	108-10-1
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1			12/22/21 20:35	1634-04-4
Styrene	<1.0	ug/L	1.0	1			12/22/21 20:35	100-42-5
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1			12/22/21 20:35	79-34-5
Tetrachloroethene	<1.0	ug/L	1.0	1			12/22/21 20:35	127-18-4
Toluene	<1.0	ug/L	1.0	1			12/22/21 20:35	108-88-3
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1			12/22/21 20:35	120-82-1
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1			12/22/21 20:35	71-55-6
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1			12/22/21 20:35	79-00-5
Trichloroethene	<1.0	ug/L	1.0	1			12/22/21 20:35	79-01-6
Trichlorofluoromethane	<1.0	ug/L	1.0	1			12/22/21 20:35	75-69-4
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1			12/22/21 20:35	76-13-1
Vinyl chloride	86.5	ug/L	1.0	1			12/22/21 20:35	75-01-4
Xylene (Total)	<3.0	ug/L	3.0	1			12/22/21 20:35	1330-20-7
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	100	%	81-122	1			12/22/21 20:35	17060-07-0
4-Bromofluorobenzene (S)	97	%	79-118	1			12/22/21 20:35	460-00-4
Toluene-d8 (S)	99	%	82-122	1			12/22/21 20:35	2037-26-5
<b>2320B Alkalinity</b>	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	657	mg/L	1.0	1			12/27/21 19:08	
<b>4500S2F W Sulfide Iodometric</b>	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville							
Sulfide	<2.0	mg/L	2.0	1			12/20/21 18:52	
<b>300.0 IC Anions 28 Days</b>	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	16.3	mg/L	2.0	1			12/28/21 06:05	16887-00-6
Sulfate	<5.0	mg/L	5.0	1			12/28/21 06:05	14808-79-8
<b>353.2 Nitrogen, NO2/NO3 unpres</b>	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1			12/16/21 01:42	14797-55-8
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1			12/16/21 01:42	7727-37-9
<b>353.2 Nitrogen, NO2</b>	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1			12/15/21 22:49	14797-65-0

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-6R_12142021	Lab ID: 70197977009	Collected: 12/14/21 09:58	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5310B TOC as NPOC</b>	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	754	mg/L	50.0	50			12/29/21 16:14	7440-44-0

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-13_12142021	Lab ID: 70197977010	Collected: 12/14/21 11:09	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 Dissolved Gases</b>	Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Ethane, Dissolved	<b>270</b>	ug/L	215	215	12/16/21 09:48	12/20/21 10:43	74-84-0	
Ethene, Dissolved	<215	ug/L	215	215	12/16/21 09:48	12/20/21 10:43	74-85-1	
Methane, Dissolved	<b>6110</b>	ug/L	510	510	12/16/21 09:48	12/20/21 11:33	74-82-8	
<b>6010 MET ICP</b>	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	<b>26000</b>	ug/L	100	1	12/26/21 14:00	12/29/21 14:04	7439-89-6	
Manganese	<b>1010</b>	ug/L	10.0	1	12/26/21 14:00	12/29/21 14:04	7439-96-5	
<b>6010 MET ICP, Dissolved</b>	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Iron, Dissolved	<b>6.8J</b>	ug/L	100	1		01/03/22 13:47	7439-89-6	
Manganese, Dissolved	<b>647</b>	ug/L	10.0	1		01/03/22 13:47	7439-96-5	
<b>8260C Volatile Organics</b>	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Acetone	<b>2.8J</b>	ug/L	5.0	1	12/22/21 20:56	67-64-1	v3	
Benzene	<1.0	ug/L	1.0	1	12/22/21 20:56	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1	12/22/21 20:56	75-27-4		
Bromoform	<1.0	ug/L	1.0	1	12/22/21 20:56	75-25-2	v3	
Bromomethane	<1.0	ug/L	1.0	1	12/22/21 20:56	74-83-9	v3	
2-Butanone (MEK)	<b>2.3J</b>	ug/L	5.0	1	12/22/21 20:56	78-93-3	v3	
Carbon disulfide	<1.0	ug/L	1.0	1	12/22/21 20:56	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1	12/22/21 20:56	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1	12/22/21 20:56	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1	12/22/21 20:56	75-00-3		
Chloroform	<1.0	ug/L	1.0	1	12/22/21 20:56	67-66-3		
Chloromethane	<b>2.4</b>	ug/L	1.0	1	12/22/21 20:56	74-87-3		
Cyclohexane	<1.0	ug/L	1.0	1	12/22/21 20:56	110-82-7		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1	12/22/21 20:56	96-12-8	v3	
Dibromochloromethane	<1.0	ug/L	1.0	1	12/22/21 20:56	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1	12/22/21 20:56	106-93-4	IC	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1	12/22/21 20:56	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1	12/22/21 20:56	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1	12/22/21 20:56	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1	12/22/21 20:56	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1	12/22/21 20:56	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1	12/22/21 20:56	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1	12/22/21 20:56	75-35-4		
cis-1,2-Dichloroethene	<b>1.9</b>	ug/L	1.0	1	12/22/21 20:56	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1	12/22/21 20:56	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1	12/22/21 20:56	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1	12/22/21 20:56	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1	12/22/21 20:56	10061-02-6		
Ethylbenzene	<1.0	ug/L	1.0	1	12/22/21 20:56	100-41-4		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-13_12142021	Lab ID: 70197977010	Collected: 12/14/21 11:09	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
2-Hexanone	<5.0	ug/L	5.0	1			12/22/21 20:56	591-78-6
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1			12/22/21 20:56	98-82-8
Methyl acetate	<1.0	ug/L	1.0	1			12/22/21 20:56	79-20-9
Methylcyclohexane	<1.0	ug/L	1.0	1			12/22/21 20:56	108-87-2
Methylene Chloride	<1.0	ug/L	1.0	1			12/22/21 20:56	75-09-2
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1			12/22/21 20:56	108-10-1
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1			12/22/21 20:56	1634-04-4
Styrene	<1.0	ug/L	1.0	1			12/22/21 20:56	100-42-5
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1			12/22/21 20:56	79-34-5
Tetrachloroethene	<1.0	ug/L	1.0	1			12/22/21 20:56	127-18-4
Toluene	<1.0	ug/L	1.0	1			12/22/21 20:56	108-88-3
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1			12/22/21 20:56	120-82-1
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1			12/22/21 20:56	71-55-6
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1			12/22/21 20:56	79-00-5
Trichloroethene	<1.0	ug/L	1.0	1			12/22/21 20:56	79-01-6
Trichlorofluoromethane	<1.0	ug/L	1.0	1			12/22/21 20:56	75-69-4
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1			12/22/21 20:56	76-13-1
Vinyl chloride	12.0	ug/L	1.0	1			12/22/21 20:56	75-01-4
Xylene (Total)	<3.0	ug/L	3.0	1			12/22/21 20:56	1330-20-7
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	103	%	81-122	1			12/22/21 20:56	17060-07-0
4-Bromofluorobenzene (S)	98	%	79-118	1			12/22/21 20:56	460-00-4
Toluene-d8 (S)	101	%	82-122	1			12/22/21 20:56	2037-26-5
<b>2320B Alkalinity</b>	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	452	mg/L	1.0	1			12/27/21 21:22	
<b>4500S2F W Sulfide Iodometric</b>	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville							
Sulfide	<2.0	mg/L	2.0	1			12/20/21 18:52	
<b>300.0 IC Anions 28 Days</b>	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	64.2	mg/L	2.0	1			12/28/21 06:46	16887-00-6
Sulfate	0.18J	mg/L	5.0	1			12/28/21 06:46	14808-79-8
<b>353.2 Nitrogen, NO2/NO3 unpres</b>	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1			12/16/21 02:07	14797-55-8
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1			12/16/21 02:07	7727-37-9
<b>353.2 Nitrogen, NO2</b>	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1			12/15/21 23:06	14797-65-0

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-13_12142021	Lab ID: 70197977010	Collected: 12/14/21 11:09	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5310B TOC as NPOC</b>	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	72.1	mg/L	2.0	2			12/28/21 21:59	7440-44-0

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: LAB TRIP BLANK_12132021	Lab ID: 70197977011	Collected: 12/13/21 00:00	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Acetone	<5.0	ug/L	5.0	1		12/22/21 17:25	67-64-1	v3
Benzene	<1.0	ug/L	1.0	1		12/22/21 17:25	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/22/21 17:25	75-27-4	IC
Bromoform	<1.0	ug/L	1.0	1		12/22/21 17:25	75-25-2	v3
Bromomethane	<1.0	ug/L	1.0	1		12/22/21 17:25	74-83-9	v3
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/22/21 17:25	78-93-3	v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/22/21 17:25	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/22/21 17:25	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/22/21 17:25	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/22/21 17:25	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/22/21 17:25	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/22/21 17:25	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		12/22/21 17:25	110-82-7	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/22/21 17:25	96-12-8	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		12/22/21 17:25	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/22/21 17:25	106-93-4	IC
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 17:25	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 17:25	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 17:25	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/22/21 17:25	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/22/21 17:25	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/22/21 17:25	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/22/21 17:25	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/22/21 17:25	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/22/21 17:25	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/22/21 17:25	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/22/21 17:25	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/22/21 17:25	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/22/21 17:25	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/22/21 17:25	591-78-6	v3
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/22/21 17:25	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		12/22/21 17:25	79-20-9	
Methylcyclohexane	<1.0	ug/L	1.0	1		12/22/21 17:25	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		12/22/21 17:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/22/21 17:25	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		12/22/21 17:25	1634-04-4	
Styrene	<1.0	ug/L	1.0	1		12/22/21 17:25	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/22/21 17:25	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/22/21 17:25	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/22/21 17:25	108-88-3	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 17:25	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/22/21 17:25	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/22/21 17:25	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/22/21 17:25	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/22/21 17:25	75-69-4	

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: LAB TRIP BLANK_12132021	Lab ID: 70197977011	Collected: 12/13/21 00:00	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1			12/22/21 17:25	76-13-1
Vinyl chloride	<1.0	ug/L	1.0	1			12/22/21 17:25	75-01-4
Xylene (Total)	<3.0	ug/L	3.0	1			12/22/21 17:25	1330-20-7
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	101	%	81-122	1			12/22/21 17:25	17060-07-0
4-Bromofluorobenzene (S)	98	%	79-118	1			12/22/21 17:25	460-00-4
Toluene-d8 (S)	100	%	82-122	1			12/22/21 17:25	2037-26-5

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: DUP-01_12132021	Lab ID: 70197977012	Collected: 12/13/21 00:00	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Acetone	16.2	ug/L	5.0	1		12/22/21 17:46	67-64-1	v3
Benzene	1.4	ug/L	1.0	1		12/22/21 17:46	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/22/21 17:46	75-27-4	IC
Bromoform	<1.0	ug/L	1.0	1		12/22/21 17:46	75-25-2	v3
Bromomethane	<1.0	ug/L	1.0	1		12/22/21 17:46	74-83-9	v3
2-Butanone (MEK)	11.7	ug/L	5.0	1		12/22/21 17:46	78-93-3	v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/22/21 17:46	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/22/21 17:46	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/22/21 17:46	108-90-7	
Chloroethane	3.3	ug/L	1.0	1		12/22/21 17:46	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/22/21 17:46	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/22/21 17:46	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		12/22/21 17:46	110-82-7	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/22/21 17:46	96-12-8	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		12/22/21 17:46	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/22/21 17:46	106-93-4	IC
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 17:46	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 17:46	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 17:46	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/22/21 17:46	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/22/21 17:46	75-34-3	
1,2-Dichloroethane	1.5	ug/L	1.0	1		12/22/21 17:46	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/22/21 17:46	75-35-4	
cis-1,2-Dichloroethene	318	ug/L	40.0	40		12/22/21 19:53	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/22/21 17:46	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/22/21 17:46	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/22/21 17:46	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/22/21 17:46	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/22/21 17:46	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/22/21 17:46	591-78-6	v3
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/22/21 17:46	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		12/22/21 17:46	79-20-9	
Methylcyclohexane	<1.0	ug/L	1.0	1		12/22/21 17:46	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		12/22/21 17:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/22/21 17:46	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		12/22/21 17:46	1634-04-4	
Styrene	<1.0	ug/L	1.0	1		12/22/21 17:46	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/22/21 17:46	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/22/21 17:46	127-18-4	
Toluene	6.9	ug/L	1.0	1		12/22/21 17:46	108-88-3	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		12/22/21 17:46	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/22/21 17:46	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/22/21 17:46	79-00-5	
Trichloroethene	1.3	ug/L	1.0	1		12/22/21 17:46	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/22/21 17:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		12/22/21 17:46	76-13-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: DUP-01_12132021	Lab ID: 70197977012	Collected: 12/13/21 00:00	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C Volatile Organics</b>		Analytical Method: EPA 8260C/5030C						
		Pace Analytical Services - Melville						
Vinyl chloride	<b>3990</b>	ug/L	40.0	40		12/22/21 19:53	75-01-4	
Xylene (Total)	<b>&lt;3.0</b>	ug/L	3.0	1		12/22/21 17:46	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	102	%	81-122	1		12/22/21 17:46	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-118	1		12/22/21 17:46	460-00-4	
Toluene-d8 (S)	98	%	82-122	1		12/22/21 17:46	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Sample: MW-8_12132021	Lab ID: 70197977013	Collected: 12/13/21 15:20	Received: 12/15/21 11:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	<b>105000</b>	ug/L	100	1	12/26/21 14:00	12/29/21 14:14	7439-89-6	
Manganese	<b>5510</b>	ug/L	10.0	1	12/26/21 14:00	12/29/21 14:14	7439-96-5	
<b>6010 MET ICP, Dissolved</b>	Analytical Method: EPA 6010C Pace Analytical Services - Melville							
Iron, Dissolved	<b>113000</b>	ug/L	100	1		01/03/22 14:06	7439-89-6	
Manganese, Dissolved	<b>6340</b>	ug/L	10.0	1		01/03/22 14:06	7439-96-5	
<b>2320B Alkalinity</b>	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO <sub>3</sub>	<b>477</b>	mg/L	1.0	1		12/23/21 16:15		
<b>4500S2F W Sulfide Iodometric</b>	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville							
Sulfide	<b>&lt;2.0</b>	mg/L	2.0	1		12/16/21 23:22		
<b>300.0 IC Anions 28 Days</b>	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	<b>251</b>	mg/L	20.0	10		12/28/21 13:47	16887-00-6	
Sulfate	<b>1.5J</b>	mg/L	5.0	1		12/28/21 06:59	14808-79-8	
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> unpres</b>	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<b>0.042J</b>	mg/L	0.050	1		12/17/21 00:59	14797-55-8	
Nitrate-Nitrite (as N)	<b>0.050</b>	mg/L	0.050	1		12/17/21 00:59	7727-37-9	H1,M1
<b>353.2 Nitrogen, NO<sub>2</sub></b>	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<b>&lt;0.050</b>	mg/L	0.050	1		12/16/21 22:00	14797-65-0	H1
<b>5310B TOC as NPOC</b>	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	<b>163</b>	mg/L	10.0	10		12/29/21 16:28	7440-44-0	

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	237241	Analysis Method:	RSK-175
QC Batch Method:	RSK-175	Analysis Description:	RSK 175 HEADSPACE
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977008, 70197977009, 70197977010

METHOD BLANK: 1198013 Matrix: Water

Associated Lab Samples: 70197977008, 70197977009, 70197977010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane, Dissolved	ug/L	<1.0	1.0	12/16/21 11:08	
Ethene, Dissolved	ug/L	<1.0	1.0	12/16/21 11:08	
Methane, Dissolved	ug/L	<1.0	1.0	12/16/21 11:08	

LABORATORY CONTROL SAMPLE: 1198014

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethane, Dissolved	ug/L	10.2	7.9	77	10-168	
Ethene, Dissolved	ug/L	10.3	8.5	82	10-186	
Methane, Dissolved	ug/L	10.2	4.1	40	10-93	

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 1198649 1198650

Parameter	Units	Result	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	RPD	Qual
			70198051004	Spike Conc.	Spike Conc.	Result	Result	% Rec				
Ethane, Dissolved	ug/L	<1.0	10.2	10.2	7.4	8.5	72	83	10-128	14		
Ethene, Dissolved	ug/L	<1.0	10.3	10.3	7.8	8.1	74	77	10-145	4		
Methane, Dissolved	ug/L	6.5	10.2	10.2	12.4	12.8	58	62	10-185	3		

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	238990	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 6010C	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977008, 70197977009, 70197977010, 70197977013

METHOD BLANK: 1207644 Matrix: Water

Associated Lab Samples: 70197977008, 70197977009, 70197977010, 70197977013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<100	100	01/03/22 13:27	
Manganese, Dissolved	ug/L	<10.0	10.0	01/03/22 13:27	

LABORATORY CONTROL SAMPLE: 1207645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	12500	12700	102	80-120	
Manganese, Dissolved	ug/L	500	504	101	80-120	

MATRIX SPIKE SAMPLE: 1207648

Parameter	Units	70197977008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	161000	12500	173000	95	75-125	
Manganese, Dissolved	ug/L	9460	500	9870	82	75-125	

SAMPLE DUPLICATE: 1207647

Parameter	Units	70197977008 Result	Dup Result	RPD	Qualifiers
Iron, Dissolved	ug/L	161000	168000	4	
Manganese, Dissolved	ug/L	9460	9810	4	

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	238353	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 3005A	Analysis Description:	6010 MET Water
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977008

METHOD BLANK: 1203864 Matrix: Water

Associated Lab Samples: 70197977008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	12/30/21 21:05	
Manganese	ug/L	<10.0	10.0	12/30/21 21:05	

LABORATORY CONTROL SAMPLE: 1203865

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	12200	97	80-120	
Manganese	ug/L	500	489	98	80-120	

MATRIX SPIKE SAMPLE: 1203867

Parameter	Units	70197631001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	5950	12500	17500	93	75-125	
Manganese	ug/L	1420	500	1790	74	75-125 M1	

SAMPLE DUPLICATE: 1203866

Parameter	Units	70197631001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	5950	5870	1	
Manganese	ug/L	1420	1410	1	

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	238355	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 3005A	Analysis Description:	6010 MET Water
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70197977009, 70197977010, 70197977013		

METHOD BLANK: 1203881 Matrix: Water

Associated Lab Samples: 70197977009, 70197977010, 70197977013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	12/29/21 13:39	
Manganese	ug/L	<10.0	10.0	12/29/21 13:39	

LABORATORY CONTROL SAMPLE: 1203882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	12300	98	80-120	
Manganese	ug/L	500	491	98	80-120	

MATRIX SPIKE SAMPLE: 1203884

Parameter	Units	70197977009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	216000	12500	219000	30	75-125	M1
Manganese	ug/L	9010	500	9200	38	75-125	M1

SAMPLE DUPLICATE: 1203883

Parameter	Units	70197977009 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	216000	214000	1	
Manganese	ug/L	9010	8950	1	

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	237976	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977001, 70197977002, 70197977003, 70197977004

METHOD BLANK: 1201905

Matrix: Water

Associated Lab Samples: 70197977001, 70197977002, 70197977003, 70197977004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/21/21 15:36	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/21/21 15:36	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/21/21 15:36	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	1.0	12/21/21 15:36	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/21/21 15:36	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/21/21 15:36	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	12/21/21 15:36	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	12/21/21 15:36	v3
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/21/21 15:36	IC
1,2-Dichlorobenzene	ug/L	<1.0	1.0	12/21/21 15:36	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/21/21 15:36	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/21/21 15:36	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/21/21 15:36	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	12/21/21 15:36	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/21/21 15:36	v3
2-Hexanone	ug/L	<5.0	5.0	12/21/21 15:36	v3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/21/21 15:36	
Acetone	ug/L	<5.0	5.0	12/21/21 15:36	v3
Benzene	ug/L	<1.0	1.0	12/21/21 15:36	
Bromodichloromethane	ug/L	<1.0	1.0	12/21/21 15:36	IC
Bromoform	ug/L	<1.0	1.0	12/21/21 15:36	v3
Bromomethane	ug/L	<1.0	1.0	12/21/21 15:36	v3
Carbon disulfide	ug/L	<1.0	1.0	12/21/21 15:36	
Carbon tetrachloride	ug/L	<1.0	1.0	12/21/21 15:36	
Chlorobenzene	ug/L	<1.0	1.0	12/21/21 15:36	
Chloroethane	ug/L	<1.0	1.0	12/21/21 15:36	
Chloroform	ug/L	<1.0	1.0	12/21/21 15:36	
Chloromethane	ug/L	<1.0	1.0	12/21/21 15:36	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/21/21 15:36	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/21/21 15:36	
Cyclohexane	ug/L	<1.0	1.0	12/21/21 15:36	
Dibromochloromethane	ug/L	<1.0	1.0	12/21/21 15:36	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/21/21 15:36	
Ethylbenzene	ug/L	<1.0	1.0	12/21/21 15:36	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/21/21 15:36	
Methyl acetate	ug/L	<1.0	1.0	12/21/21 15:36	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	12/21/21 15:36	
Methylcyclohexane	ug/L	<1.0	1.0	12/21/21 15:36	
Methylene Chloride	ug/L	<1.0	1.0	12/21/21 15:36	
Styrene	ug/L	<1.0	1.0	12/21/21 15:36	

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

METHOD BLANK: 1201905

Matrix: Water

Associated Lab Samples: 70197977001, 70197977002, 70197977003, 70197977004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	<1.0	1.0	12/21/21 15:36	
Toluene	ug/L	<1.0	1.0	12/21/21 15:36	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/21/21 15:36	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/21/21 15:36	
Trichloroethene	ug/L	<1.0	1.0	12/21/21 15:36	
Trichlorofluoromethane	ug/L	<1.0	1.0	12/21/21 15:36	
Vinyl chloride	ug/L	<1.0	1.0	12/21/21 15:36	
Xylene (Total)	ug/L	<3.0	3.0	12/21/21 15:36	
1,2-Dichloroethane-d4 (S)	%	101	81-122	12/21/21 15:36	
4-Bromofluorobenzene (S)	%	97	79-118	12/21/21 15:36	
Toluene-d8 (S)	%	99	82-122	12/21/21 15:36	

LABORATORY CONTROL SAMPLE: 1201906

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.4	95	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	50.1	100	70-127	
1,1,2-Trichloroethane	ug/L	50	51.1	102	81-119	
1,1,2-Trichlorotrifluoroethane	ug/L	50	50.4	101	54-133	
1,1-Dichloroethane	ug/L	50	48.1	96	72-126	
1,1-Dichloroethene	ug/L	50	47.6	95	66-133	
1,2,4-Trichlorobenzene	ug/L	50	48.1	96	56-141	
1,2-Dibromo-3-chloropropane	ug/L	50	38.7	77	47-133 v3	
1,2-Dibromoethane (EDB)	ug/L	50	56.3	113	81-123 IC	
1,2-Dichlorobenzene	ug/L	50	49.6	99	80-117	
1,2-Dichloroethane	ug/L	50	52.9	106	69-134	
1,2-Dichloropropane	ug/L	50	51.4	103	75-125	
1,3-Dichlorobenzene	ug/L	50	49.4	99	82-116	
1,4-Dichlorobenzene	ug/L	50	49.5	99	80-117	
2-Butanone (MEK)	ug/L	50	34.8	70	33-165 v3	
2-Hexanone	ug/L	50	36.3	73	50-128 v3	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.2	96	62-131	
Acetone	ug/L	50	27.9	56	14-156 v3	
Benzene	ug/L	50	52.4	105	78-117	
Bromodichloromethane	ug/L	50	49.4	99	80-123 IC	
Bromoform	ug/L	50	35.1	70	49-138 v3	
Bromomethane	ug/L	50	19.2	38	10-143 v3	
Carbon disulfide	ug/L	50	44.5	89	66-133	
Carbon tetrachloride	ug/L	50	44.2	88	64-135	
Chlorobenzene	ug/L	50	51.7	103	79-117	
Chloroethane	ug/L	50	46.3	93	31-156	
Chloroform	ug/L	50	50.7	101	79-123	
Chloromethane	ug/L	50	39.5	79	39-116	
cis-1,2-Dichloroethene	ug/L	50	49.5	99	77-125	

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

LABORATORY CONTROL SAMPLE: 1201906

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	50	46.9	94	78-131	
Cyclohexane	ug/L	50	41.4	83	53-130	
Dibromochloromethane	ug/L	50	41.4	83	65-123	
Dichlorodifluoromethane	ug/L	50	51.1	102	13-149	
Ethylbenzene	ug/L	50	50.0	100	79-115	
Isopropylbenzene (Cumene)	ug/L	50	47.2	94	74-118	
Methyl acetate	ug/L	50	47.9	96	10-214	
Methyl-tert-butyl ether	ug/L	50	48.8	98	69-118	
Methylcyclohexane	ug/L	50	41.5	83	63-124	
Methylene Chloride	ug/L	50	49.0	98	67-123	
Styrene	ug/L	50	53.2	106	82-121	
Tetrachloroethene	ug/L	50	46.9	94	65-120	
Toluene	ug/L	50	50.8	102	80-114	
trans-1,2-Dichloroethene	ug/L	50	47.3	95	74-123	
trans-1,3-Dichloropropene	ug/L	50	45.3	91	73-135	
Trichloroethene	ug/L	50	49.7	99	79-115	
Trichlorofluoromethane	ug/L	50	51.9	104	51-136	
Vinyl chloride	ug/L	50	46.1	92	49-118	
Xylene (Total)	ug/L	150	151	101	80-118	
1,2-Dichloroethane-d4 (S)	%			98	81-122	
4-Bromofluorobenzene (S)	%			100	79-118	
Toluene-d8 (S)	%			101	82-122	

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 1202152 1202153

Parameter	Units	MS Spike		MSD Spike		MS		MSD		% Rec Limits	RPD	Qual
		70197895003	Conc.	Conc.	Result	Result	% Rec	% Rec	% Rec			
1,1,1-Trichloroethane	ug/L	<1.0	50	50	46.7	36.1	93	72	72-123	26	R1	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	55.4	43.8	111	88	64-133	23	R1	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	51.0	40.1	102	80	78-120	24	R1	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	50	51.4	37.6	103	75	56-136	31	R1	
1,1-Dichloroethane	ug/L	<1.0	50	50	49.5	38.8	99	78	70-124	24	R1	
1,1-Dichloroethene	ug/L	<1.0	50	50	50.5	38.0	101	76	61-139	28	R1	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	47.0	34.6	94	69	53-138	30	R1	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	45.1	36.1	90	72	32-137	22	R1,v3	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	57.2	44.7	114	89	78-121	25	IC,R1	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	48.9	37.3	98	75	75-120	27	R1	
1,2-Dichloroethane	ug/L	<1.0	50	50	52.9	42.0	106	84	58-138	23	R1	
1,2-Dichloropropane	ug/L	<1.0	50	50	51.3	40.7	103	81	74-122	23	R1	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	49.4	37.3	99	75	78-119	28	M1,R1	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	49.4	37.7	99	75	76-118	27	M1,R1	
2-Butanone (MEK)	ug/L	2.1J	50	50	43.7	35.7	83	67	33-148	20	v3	
2-Hexanone	ug/L	<5.0	50	50	49.7	39.9	99	80	49-124	22	R1,v3	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	64.8	50.5	130	101	60-136	25	R1	
Acetone	ug/L	34.1	50	50	72.9	64.7	78	61	35-112	12	v3	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1202152		1202153		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual					
			MS Spike Conc.		MSD Spike Conc.											
	Units	Result	Conc.	Conc.	Result	Result										
Benzene	ug/L	<1.0	50	50	53.0	41.4	106	83	70-130	25	R1					
Bromodichloromethane	ug/L	<1.0	50	50	45.9	37.6	92	75	74-122	20	IC					
Bromoform	ug/L	<1.0	50	50	32.0	26.2	64	52	39-139	20	v3					
Bromomethane	ug/L	<1.0	50	50	21.2	17.4	42	35	10-130	20	v3					
Carbon disulfide	ug/L	<1.0	50	50	43.5	34.2	87	68	60-129	24	R1					
Carbon tetrachloride	ug/L	<1.0	50	50	40.2	31.2	80	62	56-143	25	R1					
Chlorobenzene	ug/L	<1.0	50	50	50.8	39.0	102	78	74-122	26	R1					
Chloroethane	ug/L	<1.0	50	50	49.9	36.7	100	73	35-146	31	R1					
Chloroform	ug/L	<1.0	50	50	50.8	40.6	102	81	71-129	22	R1					
Chloromethane	ug/L	<1.0	50	50	44.3	33.6	89	67	29-112	27	R1					
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	50.5	40.7	101	81	73-129	22	R1					
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	44.2	35.0	88	70	67-130	23	R1					
Cyclohexane	ug/L	<1.0	50	50	45.7	32.9	91	66	46-146	32	R1					
Dibromochloromethane	ug/L	<1.0	50	50	37.0	30.1	74	60	55-126	20						
Dichlorodifluoromethane	ug/L	<1.0	50	50	51.1	38.5	102	77	10-123	28	R1					
Ethylbenzene	ug/L	<1.0	50	50	50.3	37.4	101	75	70-126	29	R1					
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	49.9	37.5	100	75	68-127	28	R1					
Methyl acetate	ug/L	<1.0	50	50	55.3	44.3	111	89	10-260	22	R1					
Methyl-tert-butyl ether	ug/L	<1.0	50	50	52.1	41.5	104	83	60-140	23	R1					
Methylcyclohexane	ug/L	<1.0	50	50	45.4	32.1	91	64	66-135	34	M1,R1					
Methylene Chloride	ug/L	<1.0	50	50	50.0	39.2	100	78	69-117	24	R1					
Styrene	ug/L	<1.0	50	50	52.5	39.7	105	79	79-123	28	R1					
Tetrachloroethene	ug/L	<1.0	50	50	45.7	34.1	91	68	64-124	29	R1					
Toluene	ug/L	<1.0	50	50	52.3	40.4	105	81	76-123	26	R1					
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	48.6	38.0	97	76	69-127	25	R1					
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	42.0	33.9	84	68	61-130	21	R1					
Trichloroethene	ug/L	<1.0	50	50	49.9	38.6	100	77	73-125	25	R1					
Trichlorofluoromethane	ug/L	<1.0	50	50	53.4	39.9	107	80	59-129	29	R1					
Vinyl chloride	ug/L	<1.0	50	50	50.0	38.5	100	77	33-127	26	R1					
Xylene (Total)	ug/L	<3.0	150	150	151	114	101	76	78-123	28	MS,RS					
1,2-Dichloroethane-d4 (S)	%						100	101	81-122							
4-Bromofluorobenzene (S)	%						99	99	79-118							
Toluene-d8 (S)	%						100	101	82-122							

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch: 238162 Analysis Method: EPA 8260C/5030C

QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70197977005, 70197977006, 70197977007, 70197977008, 70197977009, 70197977010, 70197977011,  
70197977012

METHOD BLANK: 1202881

Matrix: Water

Associated Lab Samples: 70197977005, 70197977006, 70197977007, 70197977008, 70197977009, 70197977010, 70197977011,  
70197977012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/22/21 15:28	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/22/21 15:28	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/22/21 15:28	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	1.0	12/22/21 15:28	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/22/21 15:28	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/22/21 15:28	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	12/22/21 15:28	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	12/22/21 15:28	v3
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/22/21 15:28	IC
1,2-Dichlorobenzene	ug/L	<1.0	1.0	12/22/21 15:28	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/22/21 15:28	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/22/21 15:28	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/22/21 15:28	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	12/22/21 15:28	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/22/21 15:28	v3
2-Hexanone	ug/L	<5.0	5.0	12/22/21 15:28	v3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/22/21 15:28	
Acetone	ug/L	<5.0	5.0	12/22/21 15:28	v3
Benzene	ug/L	<1.0	1.0	12/22/21 15:28	
Bromodichloromethane	ug/L	<1.0	1.0	12/22/21 15:28	IC
Bromoform	ug/L	<1.0	1.0	12/22/21 15:28	v3
Bromomethane	ug/L	<1.0	1.0	12/22/21 15:28	v3
Carbon disulfide	ug/L	<1.0	1.0	12/22/21 15:28	
Carbon tetrachloride	ug/L	<1.0	1.0	12/22/21 15:28	
Chlorobenzene	ug/L	<1.0	1.0	12/22/21 15:28	
Chloroethane	ug/L	<1.0	1.0	12/22/21 15:28	
Chloroform	ug/L	<1.0	1.0	12/22/21 15:28	
Chloromethane	ug/L	<1.0	1.0	12/22/21 15:28	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/22/21 15:28	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/22/21 15:28	
Cyclohexane	ug/L	<1.0	1.0	12/22/21 15:28	
Dibromochloromethane	ug/L	<1.0	1.0	12/22/21 15:28	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/22/21 15:28	
Ethylbenzene	ug/L	<1.0	1.0	12/22/21 15:28	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/22/21 15:28	
Methyl acetate	ug/L	<1.0	1.0	12/22/21 15:28	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	12/22/21 15:28	
Methylcyclohexane	ug/L	<1.0	1.0	12/22/21 15:28	
Methylene Chloride	ug/L	<1.0	1.0	12/22/21 15:28	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

METHOD BLANK: 1202881

Matrix: Water

Associated Lab Samples: 70197977005, 70197977006, 70197977007, 70197977008, 70197977009, 70197977010, 70197977011,  
70197977012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Styrene	ug/L	<1.0	1.0	12/22/21 15:28	
Tetrachloroethene	ug/L	<1.0	1.0	12/22/21 15:28	
Toluene	ug/L	<1.0	1.0	12/22/21 15:28	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/22/21 15:28	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/22/21 15:28	
Trichloroethene	ug/L	<1.0	1.0	12/22/21 15:28	
Trichlorofluoromethane	ug/L	<1.0	1.0	12/22/21 15:28	
Vinyl chloride	ug/L	<1.0	1.0	12/22/21 15:28	
Xylene (Total)	ug/L	<3.0	3.0	12/22/21 15:28	
1,2-Dichloroethane-d4 (S)	%	101	81-122	12/22/21 15:28	
4-Bromofluorobenzene (S)	%	97	79-118	12/22/21 15:28	
Toluene-d8 (S)	%	100	82-122	12/22/21 15:28	

LABORATORY CONTROL SAMPLE: 1202882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.9	96	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	50.1	100	70-127	
1,1,2-Trichloroethane	ug/L	50	51.2	102	81-119	
1,1,2-Trichlorotrifluoroethane	ug/L	50	53.8	108	54-133	
1,1-Dichloroethane	ug/L	50	50.8	102	72-126	
1,1-Dichloroethene	ug/L	50	50.2	100	66-133	
1,2,4-Trichlorobenzene	ug/L	50	50.4	101	56-141	
1,2-Dibromo-3-chloropropane	ug/L	50	36.5	73	47-133 v3	
1,2-Dibromoethane (EDB)	ug/L	50	55.2	110	81-123 IC	
1,2-Dichlorobenzene	ug/L	50	51.4	103	80-117	
1,2-Dichloroethane	ug/L	50	54.9	110	69-134	
1,2-Dichloropropane	ug/L	50	52.2	104	75-125	
1,3-Dichlorobenzene	ug/L	50	51.7	103	82-116	
1,4-Dichlorobenzene	ug/L	50	52.0	104	80-117	
2-Butanone (MEK)	ug/L	50	33.8	68	33-165 v3	
2-Hexanone	ug/L	50	35.1	70	50-128 v3	
4-Methyl-2-pentanone (MIBK)	ug/L	50	47.6	95	62-131	
Acetone	ug/L	50	25.1	50	14-156 v3	
Benzene	ug/L	50	54.1	108	78-117	
Bromodichloromethane	ug/L	50	49.5	99	80-123 IC	
Bromoform	ug/L	50	32.5	65	49-138 v3	
Bromomethane	ug/L	50	21.5	43	10-143 v3	
Carbon disulfide	ug/L	50	48.9	98	66-133	
Carbon tetrachloride	ug/L	50	43.6	87	64-135	
Chlorobenzene	ug/L	50	52.2	104	79-117	
Chloroethane	ug/L	50	49.6	99	31-156	
Chloroform	ug/L	50	52.9	106	79-123	

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

LABORATORY CONTROL SAMPLE: 1202882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	39.6	79	39-116	
cis-1,2-Dichloroethene	ug/L	50	51.9	104	77-125	
cis-1,3-Dichloropropene	ug/L	50	47.4	95	78-131	
Cyclohexane	ug/L	50	47.5	95	53-130	
Dibromochloromethane	ug/L	50	39.3	79	65-123	
Dichlorodifluoromethane	ug/L	50	48.9	98	13-149	
Ethylbenzene	ug/L	50	52.3	105	79-115	
Isopropylbenzene (Cumene)	ug/L	50	51.5	103	74-118	
Methyl acetate	ug/L	50	47.3	95	10-214	
Methyl-tert-butyl ether	ug/L	50	49.2	98	69-118	
Methylcyclohexane	ug/L	50	47.1	94	63-124	
Methylene Chloride	ug/L	50	50.7	101	67-123	
Styrene	ug/L	50	54.8	110	82-121	
Tetrachloroethene	ug/L	50	47.6	95	65-120	
Toluene	ug/L	50	52.3	105	80-114	
trans-1,2-Dichloroethene	ug/L	50	50.1	100	74-123	
trans-1,3-Dichloropropene	ug/L	50	44.4	89	73-135	
Trichloroethene	ug/L	50	51.5	103	79-115	
Trichlorofluoromethane	ug/L	50	54.3	109	51-136	
Vinyl chloride	ug/L	50	48.6	97	49-118	
Xylene (Total)	ug/L	150	157	104	80-118	
1,2-Dichloroethane-d4 (S)	%			98	81-122	
4-Bromofluorobenzene (S)	%			100	79-118	
Toluene-d8 (S)	%			101	82-122	

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 1203246 1203247

Parameter	Units	MS Spike		MSD Spike		MS		MSD		% Rec Limits	RPD	Qual
		70197977007	Result	Conc.	Conc.	Result	Result	% Rec	% Rec			
1,1,1-Trichloroethane	ug/L	<1.0	50	50	44.9	49.4	90	99	72-123	10		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	50.9	54.7	102	109	64-133	7		
1,1,2-Trichloroethane	ug/L	<1.0	50	50	48.3	52.9	97	106	78-120	9		
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	50	50.0	53.3	100	107	56-136	6		
1,1-Dichloroethane	ug/L	<1.0	50	50	50.9	53.1	102	106	70-124	4		
1,1-Dichloroethene	ug/L	<1.0	50	50	49.0	52.0	98	104	61-139	6		
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	45.8	51.2	92	102	53-138	11		
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	37.7	43.5	75	87	32-137	14 v3		
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	52.3	57.0	105	114	78-121	9 IC		
1,2-Dichlorobenzene	ug/L	<1.0	50	50	47.3	51.0	95	102	75-120	8		
1,2-Dichloroethane	ug/L	1.7	50	50	53.5	56.9	104	110	58-138	6		
1,2-Dichloropropane	ug/L	<1.0	50	50	51.3	55.0	103	110	74-122	7		
1,3-Dichlorobenzene	ug/L	<1.0	50	50	47.9	52.0	96	104	78-119	8		
1,4-Dichlorobenzene	ug/L	<1.0	50	50	48.2	52.0	96	104	76-118	7		
2-Butanone (MEK)	ug/L	10.9	50	50	48.8	52.5	76	83	33-148	7 v3		
2-Hexanone	ug/L	<5.0	50	50	38.9	42.4	78	85	49-124	9 v3		

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Parameter	Units	70197977007		MS Spike		MSD Spike		MS Result		MSD Result		MS % Rec		MSD % Rec		% Rec Limits		RPD	Qual
				Conc.		Conc.		Result		MSD		MS		MSD		% Rec			
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0		50		50		51.5		58.6		103		117		60-136		13	
Acetone	ug/L	15.5		50		50		44.9		46.8		59		63		35-112		4 v3	
Benzene	ug/L	1.4		50		50		54.5		57.4		106		112		70-130		5	
Bromodichloromethane	ug/L	<1.0		50		50		44.1		50.5		88		101		74-122		13 IC	
Bromoform	ug/L	<1.0		50		50		29.2		34.0		58		68		39-139		15 v3	
Bromomethane	ug/L	<1.0		50		50		16.5		18.3		33		37		10-130		10 v3	
Carbon disulfide	ug/L	<1.0		50		50		47.9		50.5		96		101		60-129		5	
Carbon tetrachloride	ug/L	<1.0		50		50		37.7		44.6		75		89		56-143		17	
Chlorobenzene	ug/L	<1.0		50		50		48.5		51.5		97		103		74-122		6	
Chloroethane	ug/L	<1.0		50		50		53.2		54.0		106		108		35-146		2	
Chloroform	ug/L	<1.0		50		50		50.2		53.5		100		107		71-129		6	
Chloromethane	ug/L	<1.0		50		50		40.8		42.1		82		84		29-112		3	
cis-1,2-Dichloroethene	ug/L	649		50		50		338		351		-623		-596		73-129		4 E,M1	
cis-1,3-Dichloropropene	ug/L	<1.0		50		50		43.6		48.3		87		97		67-130		10	
Cyclohexane	ug/L	<1.0		50		50		47.1		50.2		94		100		46-146		6	
Dibromochloromethane	ug/L	<1.0		50		50		34.4		40.2		69		80		55-126		16	
Dichlorodifluoromethane	ug/L	<1.0		50		50		44.3		46.1		89		92		10-123		4	
Ethylbenzene	ug/L	<1.0		50		50		49.0		51.7		98		103		70-126		5	
Isopropylbenzene (Cumene)	ug/L	<1.0		50		50		49.5		52.9		99		106		68-127		7	
Methyl acetate	ug/L	<1.0		50		50		52.9		60.0		106		120		10-260		13	
Methyl-tert-butyl ether	ug/L	<1.0		50		50		49.4		52.2		99		104		60-140		6	
Methylcyclohexane	ug/L	<1.0		50		50		45.6		51.0		91		102		66-135		11	
Methylene Chloride	ug/L	<1.0		50		50		49.1		52.4		98		105		69-117		7	
Styrene	ug/L	<1.0		50		50		50.3		53.8		101		108		79-123		7	
Tetrachloroethene	ug/L	<1.0		50		50		44.0		45.9		88		92		64-124		4	
Toluene	ug/L	7.3		50		50		57.5		61.4		100		108		76-123		7	
trans-1,2-Dichloroethene	ug/L	1.1		50		50		49.9		52.5		98		103		69-127		5	
trans-1,3-Dichloropropene	ug/L	<1.0		50		50		41.6		47.1		83		94		61-130		12	
Trichloroethene	ug/L	<1.0		50		50		50.8		53.9		102		108		73-125		6	
Trichlorofluoromethane	ug/L	<1.0		50		50		50.8		53.8		102		108		59-129		6	
Vinyl chloride	ug/L	6170		50		50		2080		2210		-8180		-7920		33-127		6 E,M1	
Xylene (Total)	ug/L	<3.0		150		150		147		156		98		104		78-123		6	
1,2-Dichloroethane-d4 (S)	%											99		101		81-122			
4-Bromofluorobenzene (S)	%											99		98		79-118			
Toluene-d8 (S)	%											99		98		82-122			

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13  
Pace Project No.: 70197977

QC Batch:	238313	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples: 70197977013			

METHOD BLANK: 1203669 Matrix: Water

Associated Lab Samples: 70197977013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	<1.0	1.0	12/23/21 15:02	

LABORATORY CONTROL SAMPLE: 1203670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	25	24.1	96	85-115	

MATRIX SPIKE SAMPLE: 1203747

Parameter	Units	70197855002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	51.8	50	99.8	96	75-125	

SAMPLE DUPLICATE: 1203746

Parameter	Units	70197855002 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	51.8	51.1	1	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	238527	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977008, 70197977009

METHOD BLANK: 1204867 Matrix: Water

Associated Lab Samples: 70197977008, 70197977009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	<1.0	1.0	12/27/21 16:05	

LABORATORY CONTROL SAMPLE: 1204868

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	25	23.7	95	85-115	

MATRIX SPIKE SAMPLE: 1204870

Parameter	Units	70197850001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	9.9	50	58.6	98	75-125	

SAMPLE DUPLICATE: 1204869

Parameter	Units	70197850001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	9.9	9.5	4	

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13  
Pace Project No.: 70197977

QC Batch:	238572	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977010

METHOD BLANK: 1205349 Matrix: Water

Associated Lab Samples: 70197977010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	<1.0	1.0	12/27/21 20:50	

LABORATORY CONTROL SAMPLE: 1205350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	25	24.8	99	85-115	

MATRIX SPIKE SAMPLE: 1205405

Parameter	Units	70198162001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	54.3	50	109	109	75-125	

SAMPLE DUPLICATE: 1205404

Parameter	Units	70198162001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	54.3	54.2	0	

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13  
Pace Project No.: 70197977

QC Batch:	237374	Analysis Method:	SM22 4500-S2 F
QC Batch Method:	SM22 4500-S2 F	Analysis Description:	4500S2F W Sulfide Iodometric
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977013

METHOD BLANK: 1198603 Matrix: Water

Associated Lab Samples: 70197977013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	1.0	12/16/21 23:22	

LABORATORY CONTROL SAMPLE & LCSD:		1198604		1198605							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20		

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## REPORT OF LABORATORY ANALYSIS

## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	237743	Analysis Method:	SM22 4500-S2 F
QC Batch Method:	SM22 4500-S2 F	Analysis Description:	4500S2F W Sulfide Iodometric
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977008, 70197977009, 70197977010

METHOD BLANK: 1200764	Matrix: Water
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Associated Lab Samples: 70197977008, 70197977009, 70197977010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	1.0	12/20/21 18:52	

LABORATORY CONTROL SAMPLE & LCSD: 1200765	1200766	
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Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	238574	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977008, 70197977009, 70197977010, 70197977013

METHOD BLANK: 1205453 Matrix: Water

Associated Lab Samples: 70197977008, 70197977009, 70197977010, 70197977013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	0.089J	2.0	12/28/21 05:11	
Sulfate	mg/L	<5.0	5.0	12/28/21 05:11	

LABORATORY CONTROL SAMPLE: 1205454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.1	101	90-110	
Sulfate	mg/L	10	10.1	101	90-110	

MATRIX SPIKE SAMPLE: 1205455

Parameter	Units	70198044002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	12.4	10	21.9	96	90-110	
Sulfate	mg/L	13.6	10	23.1	94	90-110	

MATRIX SPIKE SAMPLE: 1205457

Parameter	Units	70198092008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10.2	10	19.4	92	90-110	
Sulfate	mg/L	<5.0	10	12.9	93	90-110	

SAMPLE DUPLICATE: 1205456

Parameter	Units	70198044002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	12.4	12.3	1	
Sulfate	mg/L	13.6	13.6	1	

SAMPLE DUPLICATE: 1205458

Parameter	Units	70198092008 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	10.2	10.1	0	
Sulfate	mg/L	<5.0	3.7J		

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	237204	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977008, 70197977009, 70197977010

METHOD BLANK: 1197773 Matrix: Water

Associated Lab Samples: 70197977008, 70197977009, 70197977010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.027	12/15/21 22:32	

LABORATORY CONTROL SAMPLE: 1197774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 1197775

Parameter	Units	70197503016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.085	0.5	0.59	101	90-110	

MATRIX SPIKE SAMPLE: 1197794

Parameter	Units	70197895003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.30	60	90-110	M1

SAMPLE DUPLICATE: 1197776

Parameter	Units	70197503016 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.085	0.077	9	

SAMPLE DUPLICATE: 1197795

Parameter	Units	70197895003 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	237418	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977013

METHOD BLANK: 1198943                          Matrix: Water

Associated Lab Samples: 70197977013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.027	12/16/21 21:52	

LABORATORY CONTROL SAMPLE: 1198944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	0.98	98	90-110	

MATRIX SPIKE SAMPLE: 1198945

Parameter	Units	70198043001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.49	98	90-110	H3

MATRIX SPIKE SAMPLE: 1198947

Parameter	Units	70198048001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.45	90	90-110	

SAMPLE DUPLICATE: 1198946

Parameter	Units	70198043001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		H3

SAMPLE DUPLICATE: 1198948

Parameter	Units	70198048001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	237215	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977008

METHOD BLANK: 1197832 Matrix: Water

Associated Lab Samples: 70197977008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	ND	0.037	12/16/21 00:53	

LABORATORY CONTROL SAMPLE: 1197833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.98	98	90-110	

MATRIX SPIKE SAMPLE: 1197834

Parameter	Units	70198043001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.48	93	90-110	H3

MATRIX SPIKE SAMPLE: 1197836

Parameter	Units	70197977008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.094	19	90-110	M1

SAMPLE DUPLICATE: 1197835

Parameter	Units	70198043001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		H3

SAMPLE DUPLICATE: 1197837

Parameter	Units	70197977008 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	237216	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977009, 70197977010

METHOD BLANK: 1197838 Matrix: Water

Associated Lab Samples: 70197977009, 70197977010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	ND	0.037	12/16/21 01:39	

LABORATORY CONTROL SAMPLE: 1197839

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 1197840

Parameter	Units	70197977009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.050J	10	90-110	M1

MATRIX SPIKE SAMPLE: 1197842

Parameter	Units	70197895003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.47	94	90-110	

SAMPLE DUPLICATE: 1197841

Parameter	Units	70197977009 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1197843

Parameter	Units	70197895003 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	237430	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977013

METHOD BLANK: 1199228 Matrix: Water

Associated Lab Samples: 70197977013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	ND	0.037	12/17/21 00:56	

LABORATORY CONTROL SAMPLE: 1199229

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 1199230

Parameter	Units	70197977013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.050	0.5	0.24	37	90-110	H1,M1

MATRIX SPIKE SAMPLE: 1199232

Parameter	Units	70198047003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.52	105	90-110	

SAMPLE DUPLICATE: 1199231

Parameter	Units	70197977013 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.050	<0.050	H1	

SAMPLE DUPLICATE: 1199233

Parameter	Units	70198047003 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13  
Pace Project No.: 70197977

QC Batch:	238683	Analysis Method:	SM22 5310B
QC Batch Method:	SM22 5310B	Analysis Description:	5310B TOC
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70197977010

METHOD BLANK: 1206085 Matrix: Water

Associated Lab Samples: 70197977010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	0.50	12/28/21 17:15	

LABORATORY CONTROL SAMPLE: 1206086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.4	94	85-115	

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## REPORT OF LABORATORY ANALYSIS

## QUALITY CONTROL DATA

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

QC Batch:	238819	Analysis Method:	SM22 5310B
QC Batch Method:	SM22 5310B	Analysis Description:	5310B TOC
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70197977008, 70197977009, 70197977013		

METHOD BLANK: 1206885 Matrix: Water

Associated Lab Samples: 70197977008, 70197977009, 70197977013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	0.50	12/29/21 15:21	

LABORATORY CONTROL SAMPLE: 1206886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.3	93	85-115	

MATRIX SPIKE SAMPLE: 1206918

Parameter	Units	70198662004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	<1.0	10	10.6	102	75-125	

SAMPLE DUPLICATE: 1206917

Parameter	Units	70198662004 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	0.69J		

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## QUALIFIERS

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

H1 Analysis conducted outside the EPA method holding time.

H3 Sample was received or analysis requested beyond the recognized method holding time.

IC The initial calibration for this compound was outside of method control limits. The result is estimated.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

R1 RPD value was outside control limits.

RS The RPD value in one of the constituent analytes was outside the control limits.

v3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70197977008	MW-5_12142021	RSK-175	237241	RSK-175	238130
70197977009	MW-6R_12142021	RSK-175	237241	RSK-175	238130
70197977010	MW-13_12142021	RSK-175	237241	RSK-175	238130
70197977008	MW-5_12142021	EPA 3005A	238353	EPA 6010C	238433
70197977009	MW-6R_12142021	EPA 3005A	238355	EPA 6010C	238432
70197977010	MW-13_12142021	EPA 3005A	238355	EPA 6010C	238432
70197977013	MW-8_12132021	EPA 3005A	238355	EPA 6010C	238432
70197977008	MW-5_12142021	EPA 6010C	238990		
70197977009	MW-6R_12142021	EPA 6010C	238990		
70197977010	MW-13_12142021	EPA 6010C	238990		
70197977013	MW-8_12132021	EPA 6010C	238990		
70197977001	MW12_12132021	EPA 8260C/5030C	237976		
70197977002	MW02_12132021	EPA 8260C/5030C	237976		
70197977003	MW14_12132021	EPA 8260C/5030C	237976		
70197977004	PES-MW-6_12132021	EPA 8260C/5030C	237976		
70197977005	PES-MW-5_12132021	EPA 8260C/5030C	238162		
70197977006	PES-MW-4_12132021	EPA 8260C/5030C	238162		
70197977007	MW-8_12132021	EPA 8260C/5030C	238162		
70197977008	MW-5_12142021	EPA 8260C/5030C	238162		
70197977009	MW-6R_12142021	EPA 8260C/5030C	238162		
70197977010	MW-13_12142021	EPA 8260C/5030C	238162		
70197977011	LAB TRIP BLANK_12132021	EPA 8260C/5030C	238162		
70197977012	DUP-01_12132021	EPA 8260C/5030C	238162		
70197977008	MW-5_12142021	SM22 2320B	238527		
70197977009	MW-6R_12142021	SM22 2320B	238527		
70197977010	MW-13_12142021	SM22 2320B	238572		
70197977013	MW-8_12132021	SM22 2320B	238313		
70197977008	MW-5_12142021	SM22 4500-S2 F	237743		
70197977009	MW-6R_12142021	SM22 4500-S2 F	237743		
70197977010	MW-13_12142021	SM22 4500-S2 F	237743		
70197977013	MW-8_12132021	SM22 4500-S2 F	237374		
70197977008	MW-5_12142021	EPA 300.0	238574		
70197977009	MW-6R_12142021	EPA 300.0	238574		
70197977010	MW-13_12142021	EPA 300.0	238574		
70197977013	MW-8_12132021	EPA 300.0	238574		
70197977008	MW-5_12142021	EPA 353.2	237215		
70197977009	MW-6R_12142021	EPA 353.2	237216		
70197977010	MW-13_12142021	EPA 353.2	237216		
70197977013	MW-8_12132021	EPA 353.2	237430		
70197977008	MW-5_12142021	EPA 353.2	237204		
70197977009	MW-6R_12142021	EPA 353.2	237204		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 222 FERRY STREET 12/13  
Pace Project No.: 70197977

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70197977010	MW-13_12142021	EPA 353.2	237204		
70197977013	MW-8_12132021	EPA 353.2	237418		
70197977008	MW-5_12142021	SM22 5310B	238819		
70197977009	MW-6R_12142021	SM22 5310B	238819		
70197977010	MW-13_12142021	SM22 5310B	238683		
70197977013	MW-8_12132021	SM22 5310B	238819		

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**CHAIN OF CUSTODY RECORD (New York)**

39 Spruce Street  
East Longmeadow, MA 01028

Page 1 of 2

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: [info@contestlabs.com](mailto:info@contestlabs.com)

Company Name:  
**Mark Wright**

Address: 1 Fairchild Square, Suite 110, Clifton Park, NY, 12065

Phone: **518-877-7101**

Project Location: **222 Ferry Street**

Project Number: **DEC1012.RA**

Project Manager: **Mark Wright**

Con-Test Quote Name /Number:

Invoice Recipient:

Sampled By: **R. Lewandowski**

Con Test Work Order#

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

Grab

Matrix

Code



Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com

### CHAIN OF CUSTODY RECORD (New York)

Doc # 388 Rev 1\_03242017

39 Spruce Street  
East Longmeadow, MA 01028

Page 2 of 2

<http://www.contestlabs.com>

Comments:												
Relinquished by: (signature) <i>John Doe</i>		Date/Time: <i>12/14/21 1430</i>	Program & Regulatory Information		Deliverables		Other:					
Received by: (signature) <i>John Doe</i>		Date/Time: <i>12/14/2021 1430</i>	<input type="checkbox"/> AWQ STDS <input type="checkbox"/> NYC Sewer Discharge <input checked="" type="checkbox"/> NY TOGS <input type="checkbox"/> Part 360 GW (Landfill) <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NY Part 375		<input type="checkbox"/> Enhanced Data Package <input checked="" type="checkbox"/> NYSDEC EQUIIS EDD <input type="checkbox"/> EQUIIS (Standard) EDD <input type="checkbox"/> NY Regulatory EDD <input type="checkbox"/> NY Regs Hits-Only EDD		<input type="checkbox"/> Other <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIHA-LAP, LLC					
Relinquished by: (signature) <i>John Doe</i>		Date/Time: <i>12/15/21 1100</i>	<input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City		<input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield		<input type="checkbox"/> Other <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIHA-LAP, LLC					
Relinquished by: (signature) of Received by: (signature)		Date/Time:	<input type="checkbox"/> PCB ONLY <input type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet									
Project Entity												
7-Day		<input type="checkbox"/> 10-Day										
Due Date:												
Requested Turnaround Time												
Rush-Approval Required												
1-Day		<input type="checkbox"/>	<input type="checkbox"/> 3-Day		<input type="checkbox"/>		ANALYSIS REQUESTED		# of Containers			
2-Day		<input type="checkbox"/>	<input type="checkbox"/> 4-Day		<input type="checkbox"/>							
Data Delivery												
Format: PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/>												
Other: <i>NY ASPB</i>												
CLP Like Data Pkg Required: <input checked="" type="checkbox"/>												
Email To: Reed.Lewandowski@hrpassociates.com												
Fax To #: _____												
8260 Standard												
Alkalinity by SM2320B												
TOC												
Sulfide by SM4500S-F												
Nitrate-N by Gallery												
Chloride by EPA 300.0												
Iron (total & dissolved) by EPA 6010												
Manganese (total & dissolved) by EPA 6010												
Methane/Ethane/Ethene by RSK-175												
1 Nitric Acid GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOl = Solid O = Other (please define)												
2 Preservation Codes: I = Iced H = HCl M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)												
3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Teflar Bag O = Other (please define)												
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												
PM: LS1 Due Date: 12/30/21												
CLIENT: HRP-CLIFTON												



## Sample Condition Upon Rec

WOff: 70197977

Client Name:

CON-TEST

Project

PM: LS1

Due Date: 12/30/21

CLIENT: HRP-CLIFTON

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #: 5064-5210-3002

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No  N/APacking Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: TH091

Correction Factor: 0.00

Cooler Temperature(°C): 0.4

Cooler Temperature Corrected(°C): 0.4

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: 12/15/21 LV

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

Did samples originate from a foreign source  
including Hawaii and Puerto Rico?  Yes  No

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.	
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.	
Sufficient Volume: (Triple volume provided for	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.	
Correct Containers Used: -Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.	
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	11.	Note if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID, Matrix:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.	See below
All containers needing preservation have been checked?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	13.	<input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # HC160347				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	14.	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: Lot # of added preservative: Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	15.	
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	16.	
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	17.	
Trip Blank Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution: Received bottles for all analysis for sample MW-8-12132021

Logging off of coc for voc only

# 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](mailto:harry@frontiernet.net)

February 11, 2022

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 No. 70197977

Dear Mr. Montuori:

Review has been completed for the data package generated by Pace Analytical that pertains to samples collected 12/13/21 and 12/14/21 at 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 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**, most results for the samples are usable either as reported or with minor qualification. Data completeness, accuracy, precision, representativeness, reproducibility, sensitivity, and comparability are acceptable.

The client sample identifications are attached to this text. Also included in this report is the client EDD with recommended qualifiers/edits applied in red.

### **Chain-of-Custody**

The final relinquish entries were not entered onto the custody forms.

Writeovers on the custody forms should have been dated and initialed.

### **Blind Field Duplicate**

The blind field duplicate evaluation was performed on MW-8\_12132021, and correlations are within validation guidelines, with the exception of those for chloroethane, cis-1,2-dichloroethene, and vinyl chloride. Results for those three analytes are qualified as estimated in that parent sample and its field duplicate.

### **Volatile Analyses by EPA 8260C**

Matrix spikes of MW-8\_12132021 produced recoveries and correlations within validation guidelines. LCS recoveries are compliant.

Surrogate and internal standard recoveries are compliant. Blanks show no contamination.

Calibration standards showed acceptable responses, with the following exception, results for which are qualified as estimated in the indicated associated samples:

- Acetone, bromoform, and bromomethane (29%D to 63%D) in samples MW12\_12132021, MW02\_12132021, MW14\_12132021, and PES-MW-6\_12132021
- Bromoform and bromomethane (32%D to 66%D) in samples PES-MW-5\_12132021, PES-MW-4\_12132021, MW-8\_12132021, MW-5\_12142021, MW-6R\_12142021, MW-13\_12142021, LAB TRIP BLANK\_12132021, and DUP-01\_12132021

Initial results for the analytes flagged by the laboratory as "E" have been derived from the dilution analysis of the samples, thus reflecting responses within the established linear range of the instrument.

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

Very truly yours,

*Judy Harry*

Judy Harry

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

## 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 Summaries**

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 222 FERRY STREET 12/13

Pace Project No.: 70197977

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70197977008	MW-5_12142021	RSK-175	237241	RSK-175	238130
70197977009	MW-6R_12142021	RSK-175	237241	RSK-175	238130
70197977010	MW-13_12142021	RSK-175	237241	RSK-175	238130
70197977008	MW-5_12142021	EPA 3005A	238353	EPA 6010C	238433
70197977009	MW-6R_12142021	EPA 3005A	238355	EPA 6010C	238432
70197977010	MW-13_12142021	EPA 3005A	238355	EPA 6010C	238432
70197977013	MW-8_12132021	EPA 3005A	238355	EPA 6010C	238432
70197977008	MW-5_12142021	EPA 6010C	238990		
70197977009	MW-6R_12142021	EPA 6010C	238990		
70197977010	MW-13_12142021	EPA 6010C	238990		
70197977013	MW-8_12132021	EPA 6010C	238990		
70197977001	MW12_12132021	EPA 8260C/5030C	237976		
70197977002	MW02_12132021	EPA 8260C/5030C	237976		
70197977003	MW14_12132021	EPA 8260C/5030C	237976		
70197977004	PES-MW-6_12132021	EPA 8260C/5030C	237976		
70197977005	PES-MW-5_12132021	EPA 8260C/5030C	238162		
70197977006	PES-MW-4_12132021	EPA 8260C/5030C	238162		
70197977007	MW-8_12132021	EPA 8260C/5030C	238162		
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70197977009	MW-6R_12142021	EPA 8260C/5030C	238162		
70197977010	MW-13_12142021	EPA 8260C/5030C	238162		
70197977011	LAB TRIP BLANK_12132021	EPA 8260C/5030C	238162		
70197977012	DUP-01_12132021	EPA 8260C/5030C	238162		
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70197977009	MW-6R_12142021	SM22 2320B	238527		
70197977010	MW-13_12142021	SM22 2320B	238572		
70197977013	MW-8_12132021	SM22 2320B	238313		
70197977008	MW-5_12142021	SM22 4500-S2 F	237743		
70197977009	MW-6R_12142021	SM22 4500-S2 F	237743		
70197977010	MW-13_12142021	SM22 4500-S2 F	237743		
70197977013	MW-8_12132021	SM22 4500-S2 F	237374		
70197977008	MW-5_12142021	EPA 300.0	238574		
70197977009	MW-6R_12142021	EPA 300.0	238574		
70197977010	MW-13_12142021	EPA 300.0	238574		
70197977013	MW-8_12132021	EPA 300.0	238574		
70197977008	MW-5_12142021	EPA 353.2	237215		
70197977009	MW-6R_12142021	EPA 353.2	237216		
70197977010	MW-13_12142021	EPA 353.2	237216		
70197977013	MW-8_12132021	EPA 353.2	237430		
70197977008	MW-5_12142021	EPA 353.2	237204		
70197977009	MW-6R_12142021	EPA 353.2	237204		

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