



February 16, 2021

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

RE: 1st 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 first of four 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 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 selected onsite monitoring wells. The field activities and results of the 1st quarter 2021 IRM Monitoring are summarized below.

Field Activities

HRP mobilized to the Site on January 15 and January 18, 2021 to conduct groundwater level gauging and sampling of 12 monitoring wells per the IRMMP. On January 15, 2021, 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 10 wells including: MW-2, MW-4, MW-6R, MW-7, MW-8, MW-9, MW-10, MW-13, MW-14, PES-MW-4, PES-MW-5, and PES-MW-6.

Groundwater samples were collected from each monitoring well in accordance with EPA Low Flow purge and sample guidelines. Purging required removing water from the well at a rate of at least 250 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.

Monitoring wells MW-2, MW-4, MW-8, MW-10, PES-MW-4, and PES-MW-5 were sampled on January 15, 2021. Monitoring wells MW-6R, MW-12, MW-14, and PES-MW-6 were sampled on January 18, 2021. Groundwater samples collected from each of the 10 wells were analyzed for

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TCL VOCs via EPA Method 8260B. In addition to VOC analysis, groundwater samples collected from MW-4, MW-8, and MW-10 were analyzed for the following geochemical parameters:

- 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
- CO₂ - Dissolved Gases (GC) by Method RSK_175_CO2

For QA/QC purposes, matrix spike and matrix spike duplicate (MS/MSD) samples were collected from MW-8. A duplicate sample collected from MW-8 was designated Monitoring well MW-8. The full list of parameters analyzed for each well sampled during the 1st quarter sampling event are included in **Table 1**.

The monitoring well locations are depicted on **Figure 2**. Depth to water measurements and groundwater elevations, as well as available monitoring well construction details are included on **Table 2**. The low-flow sampling logs, including water quality monitoring parameters recorded during purging are included as **Appendix A**.

Deviations from Work Plan

Due to the nature of the Site as an active parking lot, several monitoring selected for groundwater monitoring and sampling were inaccessible during the 1st quarter event. Deviations included the following:

- MW-1, was dry to a total depth of 7.0 ft below top of casing (ft btoc) and therefore could not be used for water level monitoring or sample collection.
- MW-5, which was selected for VOC and geochemical parameter sample analysis, was found to be damaged. The road box cover was missing and the well was filled with gravel. MW-4 was selected for VOC and geochemical parameter sample analysis in place of MW-5.
- MW-13, which was selected for VOC sample analysis, was not accessible during the sampling event. An additional well was not sampled in place of MW-13. MW-13 is expected to be sampled during the next sampling event.
- MW-3 and MW-11, which were selected for water level monitoring only, could not be located and depth to water measurements were not recorded at the wells.

Findings

During the 1st quarter 2021 monitoring and sampling events, groundwater was encountered in monitoring wells at depths ranging from 3.95 to 7.98 ft btoc. Monitoring well MW-1 was dry to a total depth of 7.0 ft btoc during the sampling event. Sheen was noted on groundwater purged from each of the 10 wells sampled during the 1st quarter events, however based on the

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VOC concentrations detected in the analytical results (discussed below), the observed sheen was believed to be related to the injected emulsified vegetable oil.

A groundwater contour map, prepared from water level data collected on January 15, 2021, shows that onsite groundwater predominantly flows from south to north. The groundwater contours constructed from the 1st quarter monitoring data are depicted on **Figure 3**. 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 laboratory method detection limits (MDLs) in 9 of the 10 monitoring wells sampled during the 1st quarter events. No VOCs were detected above MDLs in the sample collected from MW-4. In the sample collected from MW-14, only Tetrachloroethylene (PCE) was detected above MDLs at 1.1 micrograms per liter (ug/L). PCE was not detected above MDLs in any of the other samples collected. Trichloroethylene (TCE), was detected in 2 of 10 wells, PES-MW-5 and PES-MW-6, at concentrations of 5.8 ug/L and 13 ug/L respectively. Cis-1,2-Dichloroethylene (cis-1,2-DCE) was detected in 7 of 10 wells and vinyl chloride was detected in 8 of 10 wells. VOC analytical results from the 1st quarter sample events are presented on **Table 3**.

A comparison of the 1st quarter sampling results to the baseline sample results collected by Precision Environmental Services (PES) in March and April of 2020, indicate that concentrations of chlorinated VOCs have generally declined in the wells sampled. A table comparing 1st quarter VOC results to baseline VOC results is presented on **Table 4**. Results of geochemical parameter analysis of samples collected during the first quarter, including a comparison to baseline results from a sample collected by PES from well MW-8, are presented on **Table 5**.

Data validation of the 1st quarter VOC analytical results is currently in progress. Once data is validated, electronic data deliverables (EDDs) from the 1st quarter will be processed and submitted to the NYSDEC project manager. A Data Usability Summary Report (DUSR) will be submitted to the NYSDEC project manager when available. The laboratory analytical reports from the 1st quarter sample events are included in **Appendix B**.

Conclusions

Results from 1st quarter 2021 sampling events show a decline in chlorinated VOCs in Site groundwater compared to baseline sample data. Additional quarterly monitoring and sampling data will be used to evaluate data trends which will differentiate any seasonal variation in chlorinated VOC concentrations from evidence of dechlorination in groundwater beneath the Site. This analysis will be used to evaluate the effectiveness of the IRM and determine next steps in Site management.

The next quarterly IRM monitoring and sampling event is planned for April 2021.

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

Sincerely,



Patrick Montuori
Senior Project Consultant



Mark Wright, PG,CSP
Project Manager

Attachments



FIGURES

TABLES

ATTACHMENT A

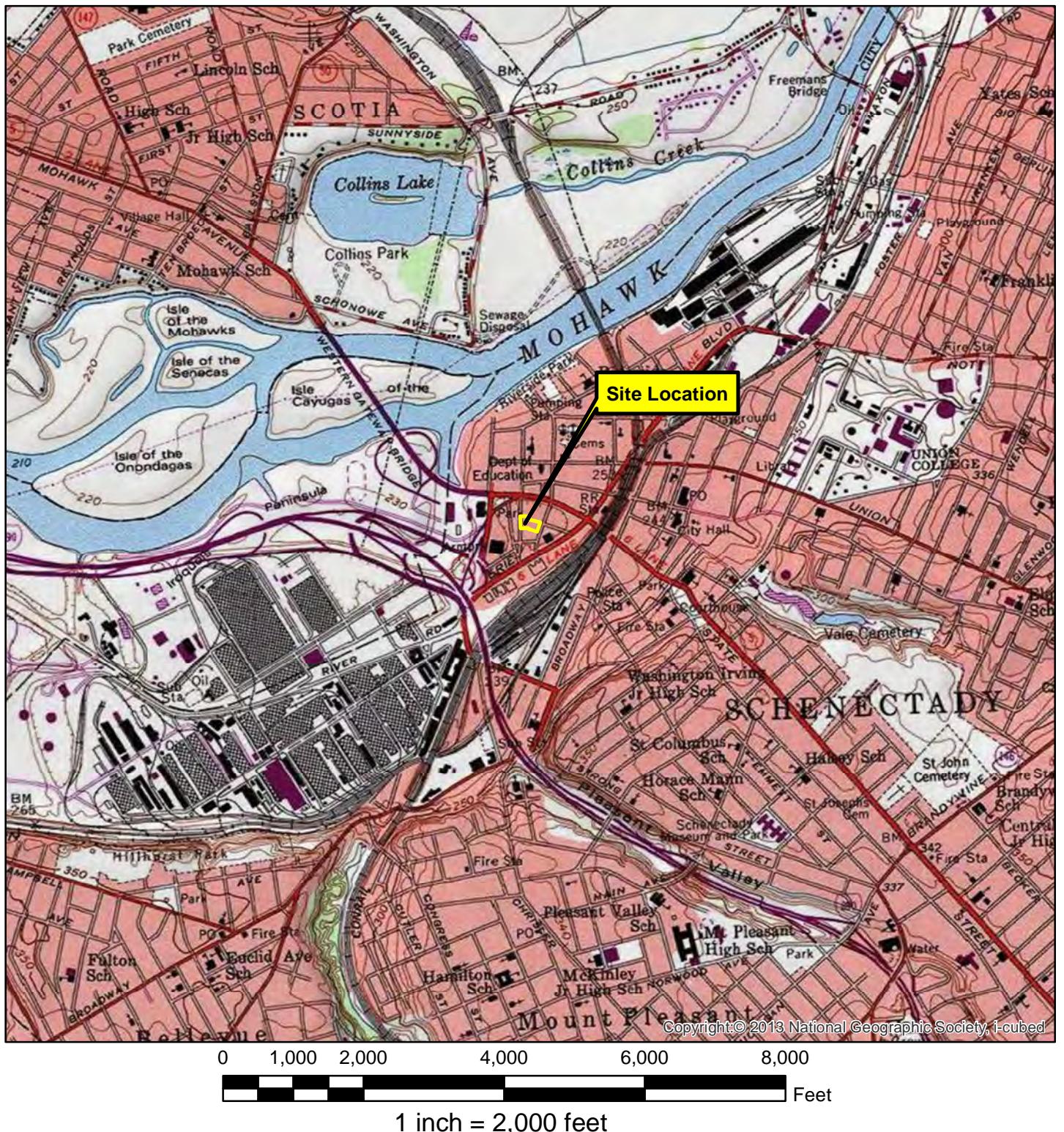
Low-Flow Sampling Logs

ATTACHMENT B

Laboratory Analytical Reports

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'





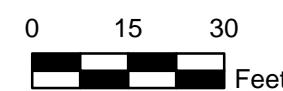
Legend

- Monitoring Well not Located During Sampling Event
 - Monitoring Well Used for Water Level Monitoring Only
 - Compromised Monitoring Well Not Suitable for Monitoring or Sampling
 - Monitoring Well Selected for Quarterly Sampling
 - Injection Point Used for In-Situ Groundwater Treatment
 - ↑ Approximate Groundwater Flow Direction
 - Approximate Property Line



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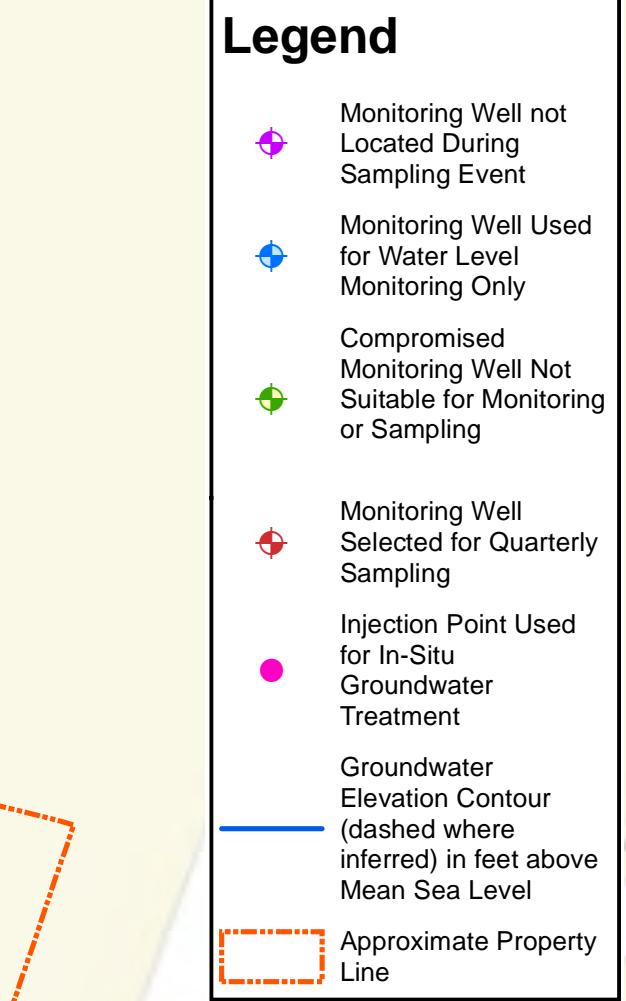
↑ North



Monitoring Well and Injection Point Locations	Issue Date: 01/27/2021	Designed By: PM	Revisions No.
	Project No: DEC1012.RA	Drawn By: BOB	Date
	Sheet Size: 11x17	Reviewed By: PM	
222 South Ferry Street Schenectady, New York			

SHEET NO.

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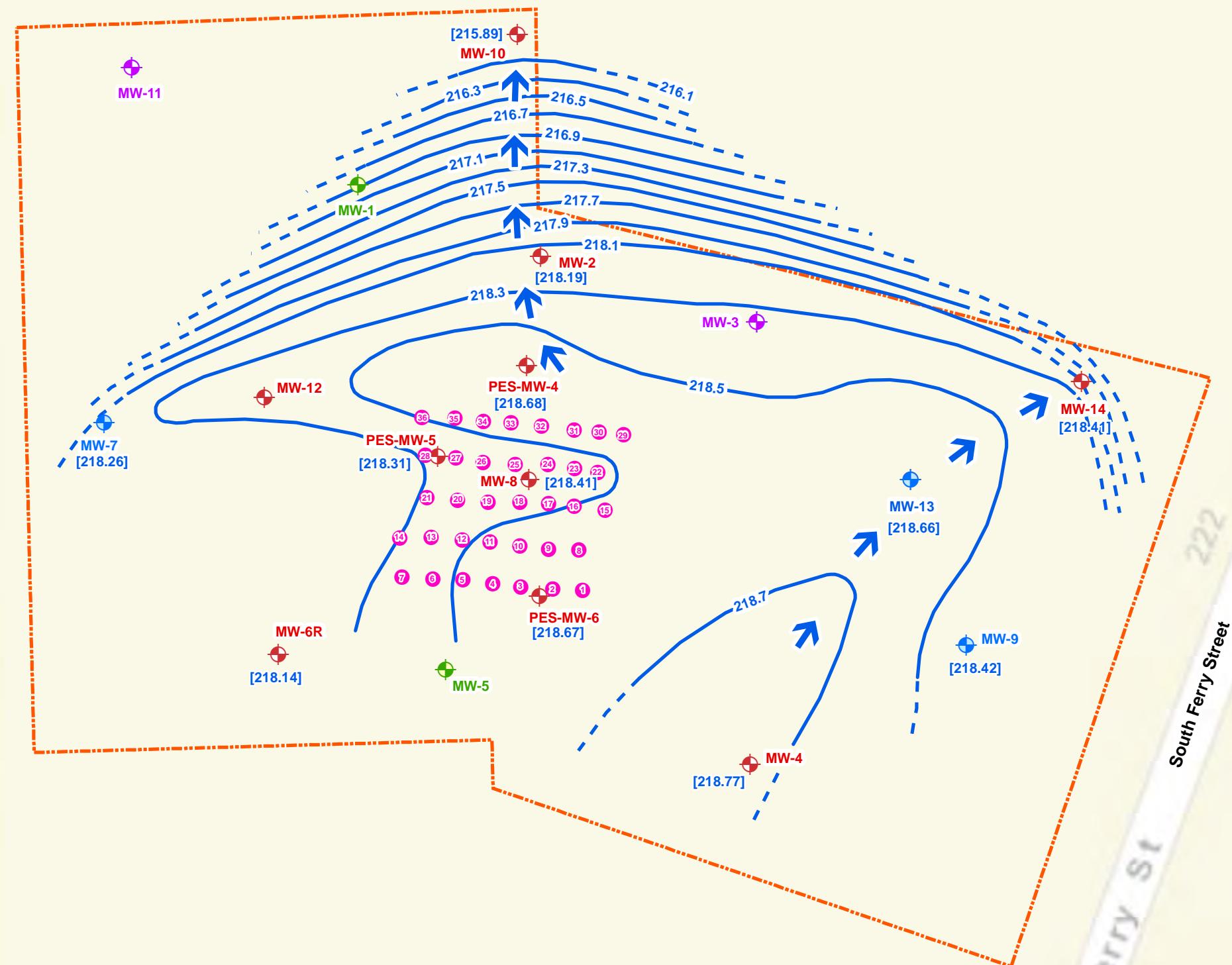
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North

0 15 30 Feet

Monitoring Well Locations and Groundwater Contours	Issue Date: 02/05/2021	Designed By: PM	Revisions	
			No.	Date
Project No: DEC1012.RA		Drawn By: BOB		
Sheet Size: 11x17		Reviewed By: PM		

FIGURE
3



TABLES



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

Activity	Matrix	Sample Locations	Monitoring Well IDs	Samples to be Collected	Analyses
Monitoring Well Sampling	Groundwater	7	MW-2, MW-6R, MW-12, MW-14 + PES-MW-4, PES-MW-5, PES-MW-6	7	VOCs by EPA Method 8260C
		3	MW-4, MW-8, MW-10	3 (plus 1 duplicate, 1 MS, 1 MSD to be collected from MW-8, analyzed for VOCs only)	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 CO2 - Dissolved Gases (GC) by Method RSK_175_CO2

LEGEND

VOCs: Volatile Organic Compounds

TOC: Total Organic Carbon

Table 2
Well Construction and Groundwater Elevation
222 South Ferry Street Site, Site # 447047
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Monitoring Well Designation	MW-2	MW-4	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	12/1/2007	1/14/2014	1/15/2014	1/16/2014	11/14/2017	4/3/2020	4/3/2020	4/3/2020	
Top of Casing Elevation (ft amsl)	223.84	223.92	224.06	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	5 to 15	Unknown	Unknown	Unknown	10 - 20	5 - 15	5 - 15	2 - 12	5 - 10	8 - 13	4 - 14	
Well Diameter (inches)	1	1	2	1	1	1	2	2	2	2	2	2	2	
Measurement Date	Gauging Data													
1/15/2021	Depth to Water (ft btoc)	5.65	5.15	5.92	6.87	5.59	4.39	7.98	ND	4.42	3.95	5.2	5.76	5.63
	Groundwater Elevation (ft amsl)	218.19	218.77	218.14	218.26	218.41	218.42	215.89	ND	218.66	218.41	218.68	218.31	218.67
	Measured Depth to Bottom (ft btoc)	12.75	11.65	14.65	12.27	12.46	12.27	18.6	14.15	13.7	11.89	9.58	12.9	13.85

LEGEND

ft btoc feet below top of casing
 ft amsl feet above mean sea level

ND No data - MW-12 not accessible for gauging during synoptic groundwater level monitoring. Total depth recorded during sampling on 1/18/21.

Top of casing elevations surveyed by Advanced Engineering and Surveying, LLC (2019) based on NAVD 88 datum. PES-MW wells tied into previous survey by Precision, 2020 (not licensed surveyor)

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

Lab Report No.:	NYSDEC CLASS GA CRITERIA	4801802901	4801802901	4801803791	4801802901	4801802901	4801803791	4801803791	4801802901	4801803791	
Sample Name:		011521 MW-2	011521 MW-4	011821MW-6R	011521 MW-8	011521 MW-10	011821MW-12	011821MW-14	011521PES-MW-4	011521 PES-MW-5	011821PES-MW-6
Well ID:		MW-2	MW-4	MW-6R	MW-8	MW-10	MW12	MW14	PES-MW4	PES-MW-5	PES-MW-6
Date Collected:		1/15/2021	1/15/2021	1/18/2021	1/15/2021	1/15/2021	1/18/2021	1/18/2021	1/15/2021	1/15/2021	1/18/2021
VOCs by EPA Method 8260 (ug/l)											
1,1,1-Trichloroethane	5	< 0.82	< 0.82	< 0.82	< 410	< 8.2	< 0.82	< 0.82	< 41	< 3.3	< 4.1
1,1,2,2-Tetrachloroethane	5	< 0.21	< 0.21	< 0.21	< 110	< 2.1	< 0.21	< 0.21	< 11	< 0.84	< 1.1
1,1,2-Trichloroethane	1	< 0.23	< 0.23	< 0.23	< 120	< 2.3	< 0.23	< 0.23	< 12	< 0.92	< 1.2
1,1,2-Trichlorotrifluoroethane (freon 113)	5	< 0.31	< 0.31	< 0.31	< 160	< 3.1	< 0.31	< 0.31	< 16	< 1.2	< 1.6
1,1-Dichloroethane	5	< 0.38	< 0.38	< 0.38	< 190	< 3.8	< 0.38	< 0.38	< 19	< 1.5	< 1.9
1,1-Dichloroethylene	5	< 0.29	< 0.29	< 0.29	< 150	< 2.9	< 0.29	< 0.29	< 15	6.2	< 1.5
1,2-Dibromo-3-chloropropane	0.04	< 0.39	< 0.39	< 0.39	< 200	< 3.9	< 0.39	< 0.39	< 20	< 1.6	< 2.0
1,2-Dibromoethane (EDB) (ethylene dibromide)	0.0006	< 0.73	< 0.73	< 0.73	< 370	< 7.3	< 0.73	< 0.73	< 37	< 2.9	< 3.7
1,2-Dichlorobenzene	3	< 0.79	< 0.79	< 0.79	< 400	< 7.9	< 0.79	< 0.79	< 40	< 3.2	< 4.0
1,2-Dichloroethane	0.6	< 0.21	< 0.21	< 0.21	< 110	< 2.1	< 0.21	< 0.21	< 11	< 0.84	< 1.1
1,2-Dichloropropane	1	< 0.72	< 0.72	< 0.72	< 360	< 7.2	< 0.72	< 0.72	< 36	< 2.9	< 3.6
1,3-Dichlorobenzene	3	< 0.78	< 0.78	< 0.78	< 390	< 7.8	< 0.78	< 0.78	< 39	< 3.1	< 3.9
1,3-Dichloropropene (cis)	0.4	< 0.36	< 0.36	< 0.36	< 180	< 3.6	< 0.36	< 0.36	< 18	< 1.4	< 1.8
1,3-Dichloropropene (trans)	0.4	< 0.37	< 0.37	< 0.37	< 190	< 3.7	< 0.37	< 0.37	< 19	< 1.5	< 1.9
1,4-Dichlorobenzene	3	< 0.84	< 0.84	< 0.84	< 420	< 8.4	< 0.84	< 0.84	< 42	< 3.4	< 4.2
2-Butanone (MEK)	50	< 1.3	< 1.3	< 1.3	< 660	< 13	< 1.3	< 1.3	< 66	42	< 6.6
2-Hexanone (Methyl butyl ketone/MBK)	50	< 1.2	< 1.2	< 1.2	< 620	< 12	< 1.2	< 1.2	< 62	< 5.0	< 6.2
Acetone	50	< 3.0	< 3.0	< 3.0	< 1500	< 30	< 3.0	< 3.0	< 150	< 12	< 15
Benzene	1	< 0.41	< 0.41	< 0.41	< 210	< 4.1	< 0.41	< 0.41	< 21	< 1.6	< 2.1
Benzene, 1,2,4-trichloro-	5	< 0.41	< 0.41	< 0.41	< 210	< 4.1	< 0.41	< 0.41	< 21	< 1.6	< 2.1
Bromodichloromethane	50	< 0.39	< 0.39	< 0.39	< 200	< 3.9	< 0.39	< 0.39	< 20	< 1.6	< 2.0
Bromoform	50	< 0.26	< 0.26	< 0.26	< 130	< 2.6	< 0.26	< 0.26	< 13	< 1.0	< 1.3
Bromomethane	5	< 0.69	< 0.69	< 0.69	< 350	< 6.9	< 0.69	< 0.69	< 35	< 2.8	< 3.5
Carbon disulfide	60	< 0.19	< 0.19	< 0.19	< 95	< 1.9	< 0.19	< 0.19	< 9.5	< 0.76	< 0.95
Carbon tetrachloride	5	< 0.27	< 0.27	< 0.27	< 140	< 2.7	< 0.27	< 0.27	< 14	< 1.1	< 1.4
Chlorobenzene	5	< 0.75	< 0.75	< 0.75	< 380	< 7.5	< 0.75	< 0.75	< 38	< 3.0	< 3.8
Chloroethane	5	< 0.32	< 0.32	< 0.32	< 160	< 3.2	< 0.32	< 0.32	< 16	< 1.3	< 1.6
Chloroform	7	< 0.34	< 0.34	< 0.34	< 170	< 3.4	< 0.34	< 0.34	< 17	< 1.4	< 1.7
Chloromethane	5	< 0.35	< 0.35	< 0.35	< 180	< 3.5	< 0.35	< 0.35	< 18	< 1.4	< 1.8
cis-1,2-Dichloroethylene	5	2.3	< 0.81	51	11000	120	7.8	< 0.81	< 41	2700	170
Cyclohexane	NP	< 0.18	< 0.18	< 0.18	< 90	< 1.8	< 0.18	< 0.18	< 9.0	< 0.72	< 0.90
Dibromochloromethane	50	< 0.32	< 0.32	< 0.32	< 160	< 3.2	< 0.32	< 0.32	< 16	< 1.3	< 1.6
Dichlorodifluoromethane	5	< 0.68	< 0.68	< 0.68	< 340	< 6.8	< 0.68	< 0.68	< 34	< 2.7	< 3.4
Ethylbenzene	5	< 0.74	< 0.74	< 0.74	< 370	< 7.4	< 0.74	< 0.74	< 37	< 3.0	< 3.7
Isopropylbenzene	5	< 0.79	< 0.79	< 0.79	< 400	< 7.9	< 0.79	< 0.79	< 40	< 3.2	< 4.0
METHYL ACETATE	NP	< 1.3	< 1.3	< 1.3	< 650	< 13	< 1.3	< 1.3	< 65	< 5.2	< 6.5
Methyl isobutyl ketone (MIBK)	NP	< 2.1	< 2.1	< 2.1	< 1100	< 21	< 2.1	< 2.1	< 110	< 8.4	< 11
Methylcyclohexane	NP	< 0.16	< 0.16	< 0.16	< 80	< 1.6	< 0.16	< 0.16	< 8.0	< 0.64	< 0.80
Methylene chloride	5	< 0.44	< 0.44	< 0.44	< 220	< 4.4	< 0.44	< 0.44	< 22	< 1.8	< 2.2
Methyltertbutyl ether	10	< 0.16	< 0.16	< 0.16	< 80	< 1.6	< 0.16	< 0.16	< 8.0	< 0.64	< 0.80
Styrene	5	< 0.73	< 0.73	< 0.73	< 370	< 7.3	< 0.73	< 0.73	< 37	< 2.9	< 3.7
Tetrachloroethylene	5	< 0.36	< 0.36	< 0.36	< 180	< 3.6	< 0.36	1.1	< 18	< 1.4	< 1.8
Toluene	5	< 0.51	< 0.51	< 0.51	< 260	< 5.1	< 0.51	< 0.51	< 26	< 2.0	< 2.6
trans-1,2-Dichloroethylene	5	< 0.90	< 0.90	< 0.90	< 450	< 9.0	< 0.90	< 0.90	< 45	27	33
Trichloroethylene	5	< 0.46	< 0.46	< 0.46	< 230	< 4.6	< 0.46	< 0.46	< 23	5.8	13
Trichlorofluoromethane	5	< 0.88	< 0.88	< 0.88	< 440	< 8.8	< 0.88	< 0.88	&		

Table 4
Summary of Groundwater Sample Results
Volatile Organic Compounds
Detected Analytes Only

222 South Ferry Street Site, Site # 447047
222 South Ferry Street, Schenectady, New York

Well ID:	NYSDEC CLASS GA CRITERIA	MW-2		MW-4	MW-6R		MW-8		MW-10	
		3/27/2020	1/15/2021	1/15/2021	3/27/2020	1/18/2021	3/27/2020	1/15/2021	3/27/2020	1/15/2021
VOCs by EPA Method 8260 (ug/l)										
2-Butanone (MEK)	50	<10.0	< 1.3	< 0.29	<20	< 1.3	<5000	< 660	<100	< 13
1,1-Dichloroethylene	5	<1.0	< 0.29	< 0.36	<2	< 0.29	<500	< 150	<10	< 2.9
trans-1,2-Dichloroethylene	5	<1.0	< 0.90	< 0.46	<2	< 0.90	<500	< 450	<10	< 9.0
Tetrachloroethylene	5	<1.0	< 0.36	< 1.3	<2	< 0.36	<500	< 180	<10	< 3.6
Trichloroethylene	5	<1.0	< 0.46	< 0.81	<2	< 0.46	<500	< 230	<10	< 4.6
cis-1,2-Dichloroethylene	5	3.9	2.3	< 0.90	130	51	25,000	11,000	330	120
Vinyl chloride	2	13	4.0	< 0.90	22	14	14,000	6,200	420	610

Well ID:	NYSDEC CLASS GA CRITERIA	MW-12		MW-14	PES-MW-4		PES-MW-5		PES-MW-6	
		3/27/2020	1/18/2021	1/18/2021	4/9/2020	1/15/2021	4/9/2020	1/15/2021	4/9/2020	1/18/2021
VOCs by EPA Method 8260 (ug/l)										
2-Butanone (MEK)	50	<10.0	< 1.3	< 1.3	<800	< 66	<500	42	<100	< 6.6
1,1-Dichloroethylene	5	<1.0	< 0.29	< 0.29	<80	< 15	<50	6.2		< 1.5
trans-1,2-Dichloroethylene	5	<1.0	< 0.90	< 0.90	<80	< 45	<50	27	28	33
Tetrachloroethylene	5	<1.0	< 0.36	1.1	<80	< 18	<50	< 1.4	<10	< 1.8
Trichloroethylene	5	<1.0	< 0.46	< 0.46	<80	< 23	51	5.8	17	13
cis-1,2-Dichloroethylene	5	6.9	7.8	< 0.81	310	< 41	3,200	2,700	60	170
Vinyl chloride	2	4.1	3.0	< 0.90	1,600	2,200	1,500	1,400	240	200

Legend

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

Notes:

ug/L = micrograms per liter

VOCs = volatile organic compounds

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

Pre-injection samples collected on 3/27/20 and 4/9/20 by Precision Environmental Services. Results shown are detections above laboratory reporting limits. Method detection limits not available.

Table 5
Summary of Groundwater Sample Results
Geochemical Parameters

222 South Ferry Street Site, Site # 447047
222 South Ferry Street, Schenectady, New York

Well ID:	MW-4	MW-8		MW-10
Date Collected:	1/15/2021	3/27/2020	1/15/2021	1/15/2021
Alkalinity, Total by EPA Method 8260C (mg/L)				
Alkalinity, Total	314	360	436	493
Chloride and Sulfate EPA Method 300.0_28D (mg/L)				
Chloride	19.9	114	129	110
Sulfate	41.9	19.4	<10	17
Iron & Manganese (Total and Dissolved) by EPA Method 6010C (mg/L)				
Iron (dissolved)	<.050	<.050	6.8	<0.050
Iron (total)	3.2	22.2	66.2	25
Manganese (dissolved)	0.37	2.5	4	1.3
Manganese (total)	0.41	2.5	4.1	1.5
Carbon Dioxide - Dissolved Gases (GC) by Method RSK_175_CO2 (ug/L)				
Carbon Dioxide	39,000	120,000	140,000	120,000
Methane/Ethane/Ethene - Dissolved Gases (GC) by Method RSK_175 (ug/L)				
Methane	25	490	1,500	8,500
Ethane	<7.5	320	1,000	110
Ethene	<7.5	3,400	6,200	86
Total Organic Carbon (TOC) by EPA Method 5310C (mg/L)				
Total Organic Carbon	3.3	5.1	34.1	9.9
Nitrate by EPA Method 353.2 (mg/L)				
Nitrate as N	0.060	0.15	0.13	0.089

Legend

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

Notes:

mg/L = milligrams per liter

ug/L = micrograms per liter

VOCs = volatile organic compounds

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

ATTACHMENT A

Low-Flow Sampling Logs



HRP ENGINEERING, P.C.

PAGE

1 OF
11/21 (Monday)

SAMPLE DATE:

TOTAL # WELLS: 12

LOW-FLOW SAMPLING LOG

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, NY	Tubing Type:	0.17 ID x 0.25 OD LDPE
Sampler(s):	PATRICK MONTUORI / STEFAN TRUEx	Monitoring Equipment:	Horiba U-52
Well I.D.:	MW-4	Screen Setting (ft btoc):	5.2' to 10.2'
Well Diameter (inches):	1"	Tubing Intake (ft btoc):	10 FEET
Total Depth (ft btoc):	10.21'	Comments:	1" DIAMETER WELL
Depth to Water (ft btoc):	5.15 ft btoc		

Well Condition:	O.K., TURBID, SECURE
-----------------	----------------------

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate L (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
10:00	5.15	—	STATIC	—	—	—	—	—
10:05	7.51	0.200	11.00	5.84	-42	0.652	N/A	13.30
RESET	PUMP, Telecom w/ MW, BEGIN	—	—	—	—	—	—	—
10:25	8.34	0.200	10.70	5.93	-57	0.629	729	12.66
10:30	8.52	0.200	10.97	5.83	-74	0.638	459	12.97
10:35	8.63	0.200	10.94	5.88	-93	0.639	359	13.22
10:40	9.65	0.200	10.95	5.92	-105	0.639	146	13.53
10:45	9.65	0.180	10.96	5.94	-110	0.637	50.7	12.78
10:50	9.65	0.180	10.99	5.94	-111	0.636	59.0	13.61
10:55	9.65	0.180	11.01	5.95	-113	0.634	36.4	13.45
11:00	9.65	0.180	11.01	5.95	-114	0.634	34.7	13.45
11:05	9.65	0.180	11.01	5.96	-115	0.634	30.2	13.45

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
FROM	TO							
11:00	11:05	9.65	0.180	11.01	5.96	-115	0.634	28.7

Recommended Stabilization	+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
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Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y
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Sample Time:	11:00	Reviewed by:	SJ
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

+ SAMPLED @ 11:00

HRP ENGINEERING, P.C.

PAGE 1 OF 1SAMPLE DATE: 1/18/21 (Monday)TOTAL # WELLS: 12

LOW-FLOW SAMPLING LOG

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, NY	Tubing Type:	0.17 ID x 0.25 OD LDPE
Sampler(s):	PWM + ST	Monitoring Equipment:	Horiba U-52
Well I.D.:	MW-10	Screen Setting (ft btoc):	10 to 20
Well Diameter (inches):	2"	Tubing Intake (ft btoc):	2' from bottom
Total Depth (ft btoc):		Comments:	
Depth to Water (ft btoc):	8.02		

Well Condition:

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
11:30	8.21	200	11.94	7.07	80	1.72	166	0.00
11:35	8.20	200	11.85	7.05	81	1.70	166	0.00
11:40	8.20	200	11.94	7.01	81	1.68	885	0.00
11:45	8.20	200	11.96	7.03	82	1.67	70.3	0.00
11:50	8.20	200	12.00	7.03	82	1.66	60.6	0.00
11:55	8.21	200	11.90	7.02	82	1.65	46.3	0.00
12:00	8.20	200	11.94	7.02	82	1.64	41.7	0.00
12:05	8.20	200	11.94	7.02	82	1.63	33.4	0.00
12:10	8.20	200	11.89	7.02	83	1.63	9.2	0.00
12:15	8.20	200	11.88	7.02	83	1.63	9.1	0.00
12:20	8.20	200	11.88	7.02	82	1.63	7.7	0.00

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Depth to Water (ft btoc) TO	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
12:05 12:10 12:15	8.20	200						
12:10 12:20	8.20	200	11.88	7.02	82	1.63	7.7	0.00
Recommended Stabilization	+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	N	Y

Sample Time: 12:20Reviewed by: Patrick Montane

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				

HRP ENGINEERING, P.C.

PAGE

1 OF 1
1/18/21 (Monday)

SAMPLE DATE:

TOTAL # WELLS:

12

LOW-FLOW SAMPLING LOG

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, NY	Tubing Type:	0.17 ID x 0.25 OD LDPE
Sampler(s):	STEFAN TREX/PATRICK MONTOURI	Monitoring Equipment:	Horiba U-52
Well I.D.	RES-MW-5 OD MW-8	Screen Setting (ft btoc):	7.5' to 12.5'
Well Diameter (inches):	1"	Tubing Intake (ft btoc):	12.00
Total Depth (ft btoc):	12.50	Comments:	1" Well, REAR OF A PARKING SPACE
Depth to Water (ft btoc):	(STATIC)		
Well Condition:	O.K., TURBED		

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
12 ⁰⁰			STATIC					
12 ⁰⁵	11.42	0.220	12.40	5.71	-184	1.13	128	3.48
12 ¹⁰	11.51	0.200	11.77	5.76	-181	1.20	113	4.74
12 ¹⁵	11.58	0.180	10.85	5.80	-180	1.27	86.5	8.27
12 ²⁰	11.61	0.180	10.54	5.81	-177	1.28	69.5	9.48
12 ²⁵	11.62	0.180	10.27	5.80	-178	1.30	54.6	10.69
12 ³⁰	11.62	0.180	10.10	5.80	-179	1.31	47.2	11.53
12 ³⁵	11.62	0.180	10.00	5.81	-178	1.30	42.6	10.25
12 ⁴⁰	11.63	0.180	9.96	5.85	-176	1.29	33.6	10.52
12 ⁴⁵	11.65	0.180	9.95	5.87	-177	1.26	31.9	10.18
12 ⁵⁰	11.65	0.180	9.94	5.86	-177	1.25	30.2	10.57
			SAMPLE					

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Depth to Water (ft btoc) TO	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
12 ⁴⁵	12 ⁵⁰	11.65	0.1861	9.94	5.86	-172	1.25	30.2

Recommended Stabilization	+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
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Stabilization: (Yes/No)	Y	Y	Y	Y	T	Y	Y	T
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Sample Time:	12 ⁵⁰ PM	Reviewed by:	
ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units
ml/min	milliliters per minute	mg/l	milligrams per liter

*MS/MSD c 12⁵⁵ / 13⁰⁰

*DUPLICATE @ 13⁰⁵

HRP

HRP ENGINEERING, P.C.

PAGE / OF

SAMPLE DATE: 1/18/21 (Monday)

1/18/21 (Monday)

TOTAL # WELLS: 13 12

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, NY	Tubing Type:	0.17 ID x 0.25 OD LDPE
Sampler(s):		Monitoring Equipment:	Horiba U-52
Well I.D.	MW-2	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	1"	Tubing Intake (ft btoc):	1' from bottom
Total Depth (ft btoc):	12	Comments:	
Depth to Water (ft btoc):	5.65		

Well Condition: _____

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Recommended +/- 0.3 100-500 +/- 3% +/- 0.1 +/- 10 +/- 3% +/- 10% +/- 10%

Stabilization: (Yes/No) Y Y Y Y Y Y Y Y

Sample Time: 13:20 Reviewed by: D. H. Miller

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:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, NY	Tubing Type:	0.17 ID x 0.25 OD LDPE
Sampler(s):		Monitoring Equipment:	Horiba U-52
Well I.D.:	MH-PES-MW-4	Screen Setting (ft btoc):	4.50 to 9.50
Well Diameter (inches):	1"	Tubing Intake (ft btoc):	9.00
Total Depth (ft btoc):	9.50	Comments:	
Depth to Water (ft btoc):	5.20		

Well Condition:

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
13:55	5.40	200	9.48	7.17	-25	2.13	Exceeds range	0.00
14:00	5.41	200	10.65	7.21	-25	2.13	2.81	0.00
14:05	5.42	200	10.84	7.26	-34	2.12	208	0.00
14:10	5.42	200	10.87	7.27	-37	2.11	130	0.00
14:15	5.42	200	10.82	7.27	-37	2.10	93.3	0.00
14:20	5.42	200	10.87	7.28	-38	2.10	48.6	0.00
14:25	5.42	200	10.87	7.28	-39	2.09	35.4	0.00
14:30	5.42	200	10.88	7.28	-40	2.08	315	0.00
14:35	5.42	200	10.92	7.28	-40	2.08	253	0.00
14:45	5.42	200	10.92	7.27	-41	2.08	90.9	0.00
14:50	5.42	200	10.92	7.27	-42	2.07	4.7	0.00
14:55	5.42	200	10.94	7.27	-42	2.08	6.8	0.09

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
FROM	TO							
14:50	15:00	5.42	200	10.98	7.27	-42	2.08	5.4
14:50	15:00	5.42	200	10.98	7.27	-42	2.08	5.4

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

Sample Time: 15:00

Reviewed by: *Patrick Montano*

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				

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PAGE

SAMPLE DATE:

1/18/21 (FEB 04)
1/18/21 (Monday)

LOW-FLOW SAMPLING LOG

TOTAL # WELLS: 12

Client Name:	NYSDEC			Sample Pump:	Peristaltic				
Project Location:	222 South Ferry Street, Schenectady, NY			Tubing Type:	0.17 ID x 0.25 OD LDPE				
Sampler(s):	<i>Stefan Truxx Patrick Montanez</i>			Monitoring Equipment:	Horiba U-52				
Well #:	<i>PIES-MW-5</i>			Screen Setting (ft btoc):	to				
Well Diameter (inches):	<i>1"</i>			Tubing Intake (ft btoc):					
Total Depth (ft btoc):				Comments:	<i>1" WELL, 6" ROAD BOX</i>				
Depth to Water (ft btoc):									
Well Condition:									
Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters						
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	
<i>1415</i>			<i>STATIC</i>						
<i>1420</i>	<i>5.77</i>	<i>0.180</i>	<i>8.19</i>	<i>5.82</i>	<i>-159</i>	<i>0.001</i>	<i>153</i>	<i>13.19</i>	
<i>1425</i>	<i>5.79</i>	<i>0.180</i>	<i>8.40</i>	<i>5.65</i>	<i>-148</i>	<i>0.001</i>	<i>151</i>	<i>12.43</i>	
<i>1430</i>	<i>5.80</i>	<i>0.180</i>	<i>8.89</i>	<i>5.67</i>	<i>-141</i>	<i>0.001</i>	<i>150</i>	<i>12.14</i>	
<i>1435</i>	<i>5.80</i>	<i>0.180</i>	<i>8.94</i>	<i>5.67</i>	<i>-138</i>	<i>0.001</i>	<i>150</i>	<i>11.48</i>	
<i>1440</i>	<i>5.80</i>	<i>0.180</i>	<i>9.27</i>	<i>5.68</i>	<i>-146</i>	<i>0.001</i>	<i>149</i>	<i>10.73</i>	
<i>1445</i>									
<i>1450</i>									
<i>SAMPLE</i>									
Stabilization of Parameters (stabilization achieved for three consecutive measurements)									
Time FROM	Depth to Water (ft btoc) TO	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	
									<i>1445</i>
<i>1445</i>									
<i>1445</i>									
<i>1445</i>									
<i>1445</i>									
Recommended Stabilization	<i>+/- 0.3</i>	<i>100-500</i>	<i>+/- 3%</i>	<i>+/- 0.1</i>	<i>+/- 10</i>	<i>+/- 3%</i>	<i>+/- 10%</i>	<i>+/- 10%</i>	
Stabilization: (Yes/No)	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	
Sample Time:	<i>1450</i>			Reviewed by:	<i>[Signature]</i>				
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								

1450 SAMPLE

HRP ENGINEERING, P.C.

PAGE 1 OF 1SAMPLE DATE: 1/18/21 (Monday)TOTAL # WELLS: 12

LOW-FLOW SAMPLING LOG

Client Name:	<u>NYSDEC</u>	Sample Pump:	Peristaltic
Project Location:	<u>222 South Ferry Street, Schenectady, NY</u>	Tubing Type:	<u>0.17 ID x 0.25 OD LDPE</u>
Sampler(s):	<u>Patrick Montuori</u>	Monitoring Equipment:	<u>Horiba U-52</u>
Well I.D.:	<u>PGS-MW-6</u>	Screen Setting (ft btoc):	<u>4</u> to <u>14</u>
Well Diameter (inches):	<u>1"</u>	Tubing Intake (ft btoc):	<u>12</u>
Total Depth (ft btoc):	<u>13.95</u>	Comments:	
Depth to Water (ft btoc):	<u>5.65</u>		

Well Condition:

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
8:25	5.65	500	High turbidity - bypassed Horiba to clear					
9:10	6.61	200	13.25	6.26	-223	1.99	207	1.78
9:15	6.61	200	13.19	6.27	-235	2.02	195	0.69
9:20	6.61	200	13.34	6.26	-241	2.01	184	0.32
9:25	6.61	200	13.21	6.26	-243	2.01	178	0.29
9:30	6.61	200	13.12	6.27	-244	2.02	162	0.30
9:35	6.61	200	13.15	6.27	-243	2.00	142	0.28
9:40	6.61	200	13.24	6.27	-244	2.00	123	0.39
9:45	6.64	200	13.30	6.27	-243	2.00	113	0.30
9:50	6.64	200	13.08	6.27	-243	2.01	100	0.30
9:55	6.64	200	13.06	6.27	-242	2.01	109	0.30
10:00	6.64	200	13.07	6.27	-242	2.01	109	0.28

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
FROM	TO							
9:50	10:00	6.64	200	13.07	6.27	-242	2.01	109

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

Sample Time:	10:00	Reviewed by:	<u>Patrick Montuori</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

HRP ENGINEERING, P.C.

PAGE OF

SAMPLE DATE: 1/18/21 (Monday)

TOTAL # WELLS: 12

LOW-FLOW SAMPLING LOG

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, NY	Tubing Type:	0.17 ID x 0.25 OD LDPE
Sampler(s):		Monitoring Equipment:	Horiba U-52
Well I.D.	MW-6 R	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	2"	Tubing Intake (ft btoc):	12.65
Total Depth (ft btoc):	14.65	Comments:	
Depth to Water (ft btoc):	5.72		

Well Condition:

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Recommended Stabilization	+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
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Sample Time: 10:45

Reviewed by: Natalie M. Patterson

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

NTU
mg/l

Nephelometric Turbidity Units
milligrams per liter

°C

degrees Celsius
millivolts

HRP ENGINEERING, P.C.

PAGE 1 OF 1SAMPLE DATE: 1/18/21 (Monday)TOTAL # WELLS: 12

LOW-FLOW SAMPLING LOG

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, NY	Tubing Type:	0.17 ID x 0.25 OD LDPE
Sampler(s):		Monitoring Equipment:	Horiba U-52
Well I.D.	<u>MW-14</u>	Screen Setting (ft btoc):	<u>12</u> to <u>2</u>
Well Diameter (inches):	<u>2"</u>	Tubing Intake (ft btoc):	<u>10</u> <u>cc</u>
Total Depth (ft btoc):	<u>11.9</u>	Comments:	
Depth to Water (ft btoc):	<u>3.84</u>		

Well Condition:

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
11:20 - Start purge								
11:25	3.84	200	13.69	6.10	-115	0.772	68.2	0.16
11:30	3.84	200	13.37	6.05	-108	0.769	38.2	0.05
11:35	3.85	200	13.18	6.03	-101	0.767	21.9	0.07
11:40	3.85	200	13.04	6.02	-75	0.771	13.1	0.24
11:45	3.85	200	12.96	6.01	-88	0.773	9.5	0.24
11:50	3.85	200	12.90	5.98	-82	0.776	6.6	0.43
11:55	3.85	200	12.85	5.91	-73	0.779	5.4	0.49
12:00	3.85	200	12.82	5.87	-66	0.781	4.3	0.51
12:05	3.85	200	12.84	5.85	-61	0.782	3.6	0.46
12:10	3.85	200	12.78	5.90	-55	0.784	3.3	0.40
12:20	3.85	200	12.79	5.91	-52	0.785	2.7	0.41

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
FROM	TO							
12:25	→ 3.85	200	12.73	5.88	-46	0.784	2.7	0.41
12:30	→ 3.85	200	12.76	5.89	-44	0.785	2.6	0.39
12:35	→ 3.85	200	12.72	5.90	-42	0.786	2.8	0.31
12:25	12:35 3.85	200	12.72	5.90	-42	0.786	2.8	0.39
Recommended Stabilization	+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 12:35Reviewed by: Patrick Montanari

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

NTU Nephelometric Turbidity Units
 mg/l milligrams per liter

°C degrees Celsius
 mv millivolts

HRP ENGINEERING, P.C.

PAGE _____ OF _____

SAMPLE DATE: 1/18/21 (Monday)

TOTAL # WELLS: 12

LOW-FLOW SAMPLING LOG

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, NY	Tubing Type:	0.17 ID x 0.25 OD LDPE
Sampler(s):		Monitoring Equipment:	Horiba U-52
Well I.D.:	MW-12	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	2"	Tubing Intake (ft btoc):	12
Total Depth (ft btoc):	14.15	Comments:	
Depth to Water (ft btoc):	6.02		

Well Condition:

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
14:35	6.02	200	Begin Pump					
14:40	6.10	200	14.80	6.43	-204	1.31	359	2.07
14:45	6.10	200	15.76	6.48	-228	1.26	251	0.47
14:50	6.10	200	14.79	6.58	-217	0.917	203	0.77
14:55	6.10	200	14.68	6.54	-201	0.905	115	0.57
15:00	6.10	200	14.77	6.51	-197	0.936	83.4	0.46
15:10	6.10	200	14.77	6.47	-198	0.963	21.8	0.36
15:15	6.10	200	14.81	6.45	-200	1.01	14.9	0.36
15:20	6.10	200	14.76	6.44	-201	1.05	10.7	0.35
15:25	6.10	200	14.78	6.43	-203	1.09	7.8	0.35
15:30	6.10	200	14.64	6.43	-205	1.13	6.6	0.34
15:35	6.10	200	14.61	6.43	-206	1.15	6.0	0.34

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Depth to Water (ft btoc) TO	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
15:40	6.10	200	14.65	6.43	-207	1.16	5.6	0.36
15:35	15:40	6.10	14.65	6.43	-207	1.16	5.6	0.36

Recommended Stabilization	+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
------------------------------	---------	---------	--------	---------	--------	--------	---------	---------

Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y
-------------------------	---	---	---	---	---	---	---	---

Sample Time:	15:40	Reviewed by:	Ronald Montanez
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

ATTACHMENT B

Laboratory Analytical Reports





Environment Testing
America



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-180290-1
Client Project/Site: 222 South Ferry Street #447047
Revision: 1

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Ms. Ruth Curley

Authorized for release by:
2/9/2021 2:16:36 PM

Judy Stone, Senior Project Manager
(484)685-0868
Judy.Stone@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Judy Stone
Senior Project Manager
2/9/2021 2:16:36 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180290-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation

	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180290-1

Job ID: 480-180290-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-180290-1

Revision (1)

The report being provided is a revision of the original report sent on 1/25/2021. The report is being revised because the client requested data be reported to the MDL

Receipt

The samples were received on 1/16/2021 12:00 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

Receipt Exceptions

The following sample was listed on the Chain of Custody (COC); however, no sample was received: 011521 MW-4. The sampler had emailed on 1/15/21 indicating that this sample was not submitted with the rest.

The client requested that the following sample ID be revised from what was listed on the chain of custody: 011521 PES-MW-5 (480-180290-6)

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 011521 MW-8 (480-180290-2), 011521 MW-8 (480-180290-2[MS]), 011521 MW-8 (480-180290-2[MSD]), 011521 MW-10 (480-180290-3), 011521 PES-MW-5 (480-180290-6) and 011521 DUP (480-180290-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Vinyl chloride and cis-1,2-Dichloroethene were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 011521 PES-MW-5 (480-180290-6), (480-180290-B-6 MS) and (480-180290-B-6 MSD). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 011521 MW-8 (480-180290-2) and 011521 MW-10 (480-180290-3). Elevated reporting limits (RLs) are provided.

Method 300.0: The following sample was reported with elevated reporting limits for all analytes: 011521 MW-4 (480-180290-1). The sample was analyzed at a dilution based on screening results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA

Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: 011521 MW-8 (480-180290-2) and 011521 MW-10 (480-180290-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Case Narrative

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180290-1

Job ID: 480-180290-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

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Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521 MW-4

Lab Sample ID: 480-180290-1

Date Collected: 01/15/21 11:00

Matrix: Water

Date Received: 01/16/21 12:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/18/21 13:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/18/21 13:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/18/21 13:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/18/21 13:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/18/21 13:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/18/21 13:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/18/21 13:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/18/21 13:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/18/21 13:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/18/21 13:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/18/21 13:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/18/21 13:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/18/21 13:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/18/21 13:19	1
2-Hexanone	ND		5.0	1.2	ug/L			01/18/21 13:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/18/21 13:19	1
Acetone	ND		10	3.0	ug/L			01/18/21 13:19	1
Benzene	ND		1.0	0.41	ug/L			01/18/21 13:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/18/21 13:19	1
Bromoform	ND		1.0	0.26	ug/L			01/18/21 13:19	1
Bromomethane	ND		1.0	0.69	ug/L			01/18/21 13:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/18/21 13:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/18/21 13:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/18/21 13:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/18/21 13:19	1
Chloroethane	ND		1.0	0.32	ug/L			01/18/21 13:19	1
Chloroform	ND		1.0	0.34	ug/L			01/18/21 13:19	1
Chloromethane	ND		1.0	0.35	ug/L			01/18/21 13:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/18/21 13:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/18/21 13:19	1
Cyclohexane	ND		1.0	0.18	ug/L			01/18/21 13:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/18/21 13:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/18/21 13:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/18/21 13:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/18/21 13:19	1
Methyl acetate	ND		2.5	1.3	ug/L			01/18/21 13:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/18/21 13:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/18/21 13:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/18/21 13:19	1
Styrene	ND		1.0	0.73	ug/L			01/18/21 13:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/18/21 13:19	1
Toluene	ND		1.0	0.51	ug/L			01/18/21 13:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/18/21 13:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/18/21 13:19	1
Trichloroethene	0.66	J	1.0	0.46	ug/L			01/18/21 13:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/18/21 13:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/18/21 13:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/18/21 13:19	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521 MW-4

Lab Sample ID: 480-180290-1

Matrix: Water

Date Collected: 01/15/21 11:00

Date Received: 01/16/21 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		01/18/21 13:19	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/18/21 13:19	1
4-Bromofluorobenzene (Surr)	95		73 - 120		01/18/21 13:19	1
Dibromofluoromethane (Surr)	106		75 - 123		01/18/21 13:19	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	25		4.0	1.0	ug/L			01/17/21 15:27	1
Ethane	ND		7.5	1.5	ug/L			01/17/21 15:27	1
Ethene	ND		7.0	1.5	ug/L			01/17/21 15:27	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.2	B	0.050	0.019	mg/L		01/19/21 09:20	01/20/21 00:26	1
Manganese	0.41	B	0.0030	0.00040	mg/L		01/19/21 09:20	01/20/21 00:26	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		01/20/21 09:47	01/21/21 00:32	1
Manganese	0.37	B	0.0030	0.00040	mg/L		01/20/21 09:47	01/21/21 00:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.9		1.0	0.56	mg/L			01/18/21 12:35	2
Sulfate	41.9		4.0	0.70	mg/L			01/18/21 12:35	2
Nitrate as N	0.060		0.050	0.020	mg/L			01/16/21 14:20	1
Sulfide	ND		1.0	0.67	mg/L			01/18/21 11:15	1
Total Organic Carbon	3.3		1.0	0.43	mg/L			01/19/21 23:27	1

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521 MW-8

Lab Sample ID: 480-180290-2

Matrix: Water

Date Collected: 01/15/21 12:50

Date Received: 01/16/21 12:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	410	ug/L			01/18/21 13:44	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			01/18/21 13:44	500
1,1,2-Trichloroethane	ND		500	120	ug/L			01/18/21 13:44	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160	ug/L			01/18/21 13:44	500
1,1-Dichloroethane	ND		500	190	ug/L			01/18/21 13:44	500
1,1-Dichloroethene	ND		500	150	ug/L			01/18/21 13:44	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			01/18/21 13:44	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			01/18/21 13:44	500
1,2-Dichlorobenzene	ND		500	400	ug/L			01/18/21 13:44	500
1,2-Dichloroethane	ND		500	110	ug/L			01/18/21 13:44	500
1,2-Dichloropropane	ND		500	360	ug/L			01/18/21 13:44	500
1,3-Dichlorobenzene	ND		500	390	ug/L			01/18/21 13:44	500
1,4-Dichlorobenzene	ND		500	420	ug/L			01/18/21 13:44	500
2-Butanone (MEK)	ND		5000	660	ug/L			01/18/21 13:44	500
2-Hexanone	ND		2500	620	ug/L			01/18/21 13:44	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			01/18/21 13:44	500
Acetone	ND		5000	1500	ug/L			01/18/21 13:44	500
Benzene	ND		500	210	ug/L			01/18/21 13:44	500
Bromodichloromethane	ND		500	200	ug/L			01/18/21 13:44	500
Bromoform	ND		500	130	ug/L			01/18/21 13:44	500
Bromomethane	ND		500	350	ug/L			01/18/21 13:44	500
Carbon disulfide	ND		500	95	ug/L			01/18/21 13:44	500
Carbon tetrachloride	ND		500	140	ug/L			01/18/21 13:44	500
Chlorobenzene	ND		500	380	ug/L			01/18/21 13:44	500
Dibromochloromethane	ND		500	160	ug/L			01/18/21 13:44	500
Chloroethane	ND		500	160	ug/L			01/18/21 13:44	500
Chloroform	ND		500	170	ug/L			01/18/21 13:44	500
Chloromethane	ND		500	180	ug/L			01/18/21 13:44	500
cis-1,2-Dichloroethene	11000	F1	500	410	ug/L			01/18/21 13:44	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			01/18/21 13:44	500
Cyclohexane	ND		500	90	ug/L			01/18/21 13:44	500
Dichlorodifluoromethane	ND		500	340	ug/L			01/18/21 13:44	500
Ethylbenzene	ND		500	370	ug/L			01/18/21 13:44	500
1,2-Dibromoethane	ND		500	370	ug/L			01/18/21 13:44	500
Isopropylbenzene	ND		500	400	ug/L			01/18/21 13:44	500
Methyl acetate	ND		1300	650	ug/L			01/18/21 13:44	500
Methyl tert-butyl ether	ND		500	80	ug/L			01/18/21 13:44	500
Methylcyclohexane	ND		500	80	ug/L			01/18/21 13:44	500
Methylene Chloride	250	J	500	220	ug/L			01/18/21 13:44	500
Styrene	ND		500	370	ug/L			01/18/21 13:44	500
Tetrachloroethene	ND		500	180	ug/L			01/18/21 13:44	500
Toluene	ND		500	260	ug/L			01/18/21 13:44	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			01/18/21 13:44	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			01/18/21 13:44	500
Trichloroethene	ND		500	230	ug/L			01/18/21 13:44	500
Trichlorofluoromethane	ND		500	440	ug/L			01/18/21 13:44	500
Vinyl chloride	6200	F1	500	450	ug/L			01/18/21 13:44	500
Xylenes, Total	ND		1000	330	ug/L			01/18/21 13:44	500

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521 MW-8

Lab Sample ID: 480-180290-2

Matrix: Water

Date Collected: 01/15/21 12:50

Date Received: 01/16/21 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		01/18/21 13:44	500
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		01/18/21 13:44	500
4-Bromofluorobenzene (Surr)	102		73 - 120		01/18/21 13:44	500
Dibromofluoromethane (Surr)	100		75 - 123		01/18/21 13:44	500

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1500		44	11	ug/L			01/17/21 15:45	11
Ethane	1000		83	17	ug/L			01/17/21 15:45	11
Ethene	6200		77	17	ug/L			01/17/21 15:45	11

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	66.2	B	0.050	0.019	mg/L		01/19/21 09:20	01/20/21 00:30	1
Manganese	4.1	B	0.0030	0.00040	mg/L		01/19/21 09:20	01/20/21 00:30	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	6.8		0.050	0.019	mg/L		01/20/21 09:47	01/21/21 01:02	1
Manganese	4.0	B	0.0030	0.00040	mg/L		01/20/21 09:47	01/21/21 01:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		2.5	1.4	mg/L			01/18/21 12:49	5
Sulfate	4.5	J	10.0	1.7	mg/L			01/18/21 12:49	5
Nitrate as N	0.13		0.050	0.020	mg/L			01/16/21 14:15	1
Sulfide	ND		1.0	0.67	mg/L			01/18/21 11:15	1
Total Organic Carbon	34.1		1.0	0.43	mg/L			01/19/21 23:41	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180290-1

Client Sample ID: 011521 MW-10

Lab Sample ID: 480-180290-3

Matrix: Water

Date Collected: 01/15/21 12:20

Date Received: 01/16/21 12:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			01/18/21 14:08	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/18/21 14:08	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/18/21 14:08	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/18/21 14:08	10
1,1-Dichloroethane	ND		10	3.8	ug/L			01/18/21 14:08	10
1,1-Dichloroethene	ND		10	2.9	ug/L			01/18/21 14:08	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			01/18/21 14:08	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/18/21 14:08	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/18/21 14:08	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/18/21 14:08	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/18/21 14:08	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/18/21 14:08	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/18/21 14:08	10
2-Butanone (MEK)	ND		100	13	ug/L			01/18/21 14:08	10
2-Hexanone	ND		50	12	ug/L			01/18/21 14:08	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/18/21 14:08	10
Acetone	ND		100	30	ug/L			01/18/21 14:08	10
Benzene	ND		10	4.1	ug/L			01/18/21 14:08	10
Bromodichloromethane	ND		10	3.9	ug/L			01/18/21 14:08	10
Bromoform	ND		10	2.6	ug/L			01/18/21 14:08	10
Bromomethane	ND		10	6.9	ug/L			01/18/21 14:08	10
Carbon disulfide	ND		10	1.9	ug/L			01/18/21 14:08	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/18/21 14:08	10
Chlorobenzene	ND		10	7.5	ug/L			01/18/21 14:08	10
Dibromochloromethane	ND		10	3.2	ug/L			01/18/21 14:08	10
Chloroethane	ND		10	3.2	ug/L			01/18/21 14:08	10
Chloroform	ND		10	3.4	ug/L			01/18/21 14:08	10
Chloromethane	ND		10	3.5	ug/L			01/18/21 14:08	10
cis-1,2-Dichloroethene	120		10	8.1	ug/L			01/18/21 14:08	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/18/21 14:08	10
Cyclohexane	ND		10	1.8	ug/L			01/18/21 14:08	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/18/21 14:08	10
Ethylbenzene	ND		10	7.4	ug/L			01/18/21 14:08	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/18/21 14:08	10
Isopropylbenzene	ND		10	7.9	ug/L			01/18/21 14:08	10
Methyl acetate	ND		25	13	ug/L			01/18/21 14:08	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/18/21 14:08	10
Methylcyclohexane	ND		10	1.6	ug/L			01/18/21 14:08	10
Methylene Chloride	5.3 J		10	4.4	ug/L			01/18/21 14:08	10
Styrene	ND		10	7.3	ug/L			01/18/21 14:08	10
Tetrachloroethene	ND		10	3.6	ug/L			01/18/21 14:08	10
Toluene	ND		10	5.1	ug/L			01/18/21 14:08	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			01/18/21 14:08	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/18/21 14:08	10
Trichloroethene	ND		10	4.6	ug/L			01/18/21 14:08	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/18/21 14:08	10
Vinyl chloride	610		10	9.0	ug/L			01/18/21 14:08	10
Xylenes, Total	ND		20	6.6	ug/L			01/18/21 14:08	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521 MW-10

Lab Sample ID: 480-180290-3

Matrix: Water

Date Collected: 01/15/21 12:20

Date Received: 01/16/21 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		01/18/21 14:08	10
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		01/18/21 14:08	10
4-Bromofluorobenzene (Surr)	102		73 - 120		01/18/21 14:08	10
Dibromofluoromethane (Surr)	101		75 - 123		01/18/21 14:08	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	110		7.5	1.5	ug/L			01/17/21 16:04	1
Ethene	86		7.0	1.5	ug/L			01/17/21 16:04	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	8500		180	44	ug/L			01/17/21 17:30	44

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	25.0	B	0.050	0.019	mg/L		01/19/21 09:20	01/20/21 00:33	1
Manganese	1.5	B	0.0030	0.00040	mg/L		01/19/21 09:20	01/20/21 00:33	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		01/20/21 09:47	01/21/21 01:05	1
Manganese	1.3	B	0.0030	0.00040	mg/L		01/20/21 09:47	01/21/21 01:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		2.5	1.4	mg/L			01/18/21 13:03	5
Sulfate	17.0		10.0	1.7	mg/L			01/18/21 13:03	5
Nitrate as N	0.089		0.050	0.020	mg/L			01/16/21 14:17	1
Sulfide	ND		1.0	0.67	mg/L			01/18/21 11:15	1
Total Organic Carbon	9.9		1.0	0.43	mg/L			01/19/21 23:56	1

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521 MW-2

Lab Sample ID: 480-180290-4

Matrix: Water

Date Collected: 01/15/21 13:20

Date Received: 01/16/21 12:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/18/21 14:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/18/21 14:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/18/21 14:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/18/21 14:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/18/21 14:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/18/21 14:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/18/21 14:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/18/21 14:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/18/21 14:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/18/21 14:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/18/21 14:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/18/21 14:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/18/21 14:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/18/21 14:34	1
2-Hexanone	ND		5.0	1.2	ug/L			01/18/21 14:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/18/21 14:34	1
Acetone	ND		10	3.0	ug/L			01/18/21 14:34	1
Benzene	ND		1.0	0.41	ug/L			01/18/21 14:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/18/21 14:34	1
Bromoform	ND		1.0	0.26	ug/L			01/18/21 14:34	1
Bromomethane	ND		1.0	0.69	ug/L			01/18/21 14:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/18/21 14:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/18/21 14:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/18/21 14:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/18/21 14:34	1
Chloroethane	ND		1.0	0.32	ug/L			01/18/21 14:34	1
Chloroform	ND		1.0	0.34	ug/L			01/18/21 14:34	1
Chloromethane	ND		1.0	0.35	ug/L			01/18/21 14:34	1
cis-1,2-Dichloroethene	2.3		1.0	0.81	ug/L			01/18/21 14:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/18/21 14:34	1
Cyclohexane	ND		1.0	0.18	ug/L			01/18/21 14:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/18/21 14:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/18/21 14:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/18/21 14:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/18/21 14:34	1
Methyl acetate	ND		2.5	1.3	ug/L			01/18/21 14:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/18/21 14:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/18/21 14:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/18/21 14:34	1
Styrene	ND		1.0	0.73	ug/L			01/18/21 14:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/18/21 14:34	1
Toluene	ND		1.0	0.51	ug/L			01/18/21 14:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/18/21 14:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/18/21 14:34	1
Trichloroethene	ND		1.0	0.46	ug/L			01/18/21 14:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/18/21 14:34	1
Vinyl chloride	4.0		1.0	0.90	ug/L			01/18/21 14:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/18/21 14:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Project/Site: 222 South Ferry Street #447047

Job ID: 480-180290-1

Client Sample ID: 011521 MW-2

Date Collected: 01/15/21 13:20

Date Received: 01/16/21 12:00

Lab Sample ID: 480-180290-4

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		01/18/21 14:34	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		01/18/21 14:34	1
4-Bromofluorobenzene (Surr)	97		73 - 120		01/18/21 14:34	1
Dibromofluoromethane (Surr)	103		75 - 123		01/18/21 14:34	1

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521 PES-MW-5

Lab Sample ID: 480-180290-6

Date Collected: 01/15/21 14:50

Matrix: Water

Date Received: 01/16/21 12:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			01/18/21 14:58	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			01/18/21 14:58	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			01/18/21 14:58	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			01/18/21 14:58	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			01/18/21 14:58	4
1,1-Dichloroethene	6.2		4.0	1.2	ug/L			01/18/21 14:58	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			01/18/21 14:58	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			01/18/21 14:58	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			01/18/21 14:58	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			01/18/21 14:58	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			01/18/21 14:58	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			01/18/21 14:58	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			01/18/21 14:58	4
2-Butanone (MEK)	42		40	5.3	ug/L			01/18/21 14:58	4
2-Hexanone	ND		20	5.0	ug/L			01/18/21 14:58	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			01/18/21 14:58	4
Acetone	ND		40	12	ug/L			01/18/21 14:58	4
Benzene	ND		4.0	1.6	ug/L			01/18/21 14:58	4
Bromodichloromethane	ND		4.0	1.6	ug/L			01/18/21 14:58	4
Bromoform	ND		4.0	1.0	ug/L			01/18/21 14:58	4
Bromomethane	ND		4.0	2.8	ug/L			01/18/21 14:58	4
Carbon disulfide	ND		4.0	0.76	ug/L			01/18/21 14:58	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			01/18/21 14:58	4
Chlorobenzene	ND		4.0	3.0	ug/L			01/18/21 14:58	4
Dibromochloromethane	ND		4.0	1.3	ug/L			01/18/21 14:58	4
Chloroethane	ND		4.0	1.3	ug/L			01/18/21 14:58	4
Chloroform	ND		4.0	1.4	ug/L			01/18/21 14:58	4
Chloromethane	ND		4.0	1.4	ug/L			01/18/21 14:58	4
cis-1,2-Dichloroethene	2700 E		4.0	3.2	ug/L			01/18/21 14:58	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			01/18/21 14:58	4
Cyclohexane	ND		4.0	0.72	ug/L			01/18/21 14:58	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			01/18/21 14:58	4
Ethylbenzene	ND		4.0	3.0	ug/L			01/18/21 14:58	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			01/18/21 14:58	4
Isopropylbenzene	ND		4.0	3.2	ug/L			01/18/21 14:58	4
Methyl acetate	ND		10	5.2	ug/L			01/18/21 14:58	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			01/18/21 14:58	4
Methylcyclohexane	ND		4.0	0.64	ug/L			01/18/21 14:58	4
Methylene Chloride	2.2 J		4.0	1.8	ug/L			01/18/21 14:58	4
Styrene	ND		4.0	2.9	ug/L			01/18/21 14:58	4
Tetrachloroethene	ND		4.0	1.4	ug/L			01/18/21 14:58	4
Toluene	ND		4.0	2.0	ug/L			01/18/21 14:58	4
trans-1,2-Dichloroethene	27		4.0	3.6	ug/L			01/18/21 14:58	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			01/18/21 14:58	4
Trichloroethene	5.8		4.0	1.8	ug/L			01/18/21 14:58	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			01/18/21 14:58	4
Vinyl chloride	1400 E		4.0	3.6	ug/L			01/18/21 14:58	4
Xylenes, Total	ND		8.0	2.6	ug/L			01/18/21 14:58	4

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Project/Site: 222 South Ferry Street #447047

Job ID: 480-180290-1

Client Sample ID: 011521 PES-MW-5

Date Collected: 01/15/21 14:50

Date Received: 01/16/21 12:00

Lab Sample ID: 480-180290-6

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		01/18/21 14:58	4
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		01/18/21 14:58	4
4-Bromofluorobenzene (Surr)	99		73 - 120		01/18/21 14:58	4
Dibromofluoromethane (Surr)	104		75 - 123		01/18/21 14:58	4

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			01/19/21 17:00	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			01/19/21 17:00	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			01/19/21 17:00	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			01/19/21 17:00	40
1,1-Dichloroethane	ND		40	15	ug/L			01/19/21 17:00	40
1,1-Dichloroethene	ND		40	12	ug/L			01/19/21 17:00	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			01/19/21 17:00	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			01/19/21 17:00	40
1,2-Dichlorobenzene	ND		40	32	ug/L			01/19/21 17:00	40
1,2-Dichloroethane	ND		40	8.4	ug/L			01/19/21 17:00	40
1,2-Dichloropropane	ND		40	29	ug/L			01/19/21 17:00	40
1,3-Dichlorobenzene	ND		40	31	ug/L			01/19/21 17:00	40
1,4-Dichlorobenzene	ND		40	34	ug/L			01/19/21 17:00	40
2-Butanone (MEK)	60 J		400	53	ug/L			01/19/21 17:00	40
2-Hexanone	ND		200	50	ug/L			01/19/21 17:00	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			01/19/21 17:00	40
Acetone	ND		400	120	ug/L			01/19/21 17:00	40
Benzene	ND		40	16	ug/L			01/19/21 17:00	40
Bromodichloromethane	ND		40	16	ug/L			01/19/21 17:00	40
Bromoform	ND		40	10	ug/L			01/19/21 17:00	40
Bromomethane	ND		40	28	ug/L			01/19/21 17:00	40
Carbon disulfide	ND		40	7.6	ug/L			01/19/21 17:00	40
Carbon tetrachloride	ND		40	11	ug/L			01/19/21 17:00	40
Chlorobenzene	ND		40	30	ug/L			01/19/21 17:00	40
Dibromochloromethane	ND		40	13	ug/L			01/19/21 17:00	40
Chloroethane	ND		40	13	ug/L			01/19/21 17:00	40
Chloroform	ND		40	14	ug/L			01/19/21 17:00	40
Chloromethane	ND		40	14	ug/L			01/19/21 17:00	40
cis-1,2-Dichloroethene	3100 F1		40	32	ug/L			01/19/21 17:00	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			01/19/21 17:00	40
Cyclohexane	ND		40	7.2	ug/L			01/19/21 17:00	40
Dichlorodifluoromethane	ND		40	27	ug/L			01/19/21 17:00	40
Ethylbenzene	ND		40	30	ug/L			01/19/21 17:00	40
1,2-Dibromoethane	ND		40	29	ug/L			01/19/21 17:00	40
Isopropylbenzene	ND		40	32	ug/L			01/19/21 17:00	40
Methyl acetate	ND		100	52	ug/L			01/19/21 17:00	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			01/19/21 17:00	40
Methylcyclohexane	ND		40	6.4	ug/L			01/19/21 17:00	40
Methylene Chloride	ND		40	18	ug/L			01/19/21 17:00	40
Styrene	ND		40	29	ug/L			01/19/21 17:00	40
Tetrachloroethene	ND		40	14	ug/L			01/19/21 17:00	40
Toluene	ND		40	20	ug/L			01/19/21 17:00	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			01/19/21 17:00	40

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521 PES-MW-5

Lab Sample ID: 480-180290-6

Date Collected: 01/15/21 14:50

Matrix: Water

Date Received: 01/16/21 12:00

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		40	15	ug/L			01/19/21 17:00	40
Trichloroethene	ND		40	18	ug/L			01/19/21 17:00	40
Trichlorofluoromethane	ND		40	35	ug/L			01/19/21 17:00	40
Vinyl chloride	1700	F1	40	36	ug/L			01/19/21 17:00	40
Xylenes, Total	ND		80	26	ug/L			01/19/21 17:00	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120					01/19/21 17:00	40
1,2-Dichloroethane-d4 (Surr)	100		77 - 120					01/19/21 17:00	40
4-Bromofluorobenzene (Surr)	98		73 - 120					01/19/21 17:00	40
Dibromofluoromethane (Surr)	97		75 - 123					01/19/21 17:00	40

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521 DUP

Lab Sample ID: 480-180290-7

Matrix: Water

Date Collected: 01/15/21 13:05

Date Received: 01/16/21 12:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	410	ug/L			01/18/21 15:23	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			01/18/21 15:23	500
1,1,2-Trichloroethane	ND		500	120	ug/L			01/18/21 15:23	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160	ug/L			01/18/21 15:23	500
1,1-Dichloroethane	ND		500	190	ug/L			01/18/21 15:23	500
1,1-Dichloroethene	ND		500	150	ug/L			01/18/21 15:23	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			01/18/21 15:23	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			01/18/21 15:23	500
1,2-Dichlorobenzene	ND		500	400	ug/L			01/18/21 15:23	500
1,2-Dichloroethane	ND		500	110	ug/L			01/18/21 15:23	500
1,2-Dichloropropane	ND		500	360	ug/L			01/18/21 15:23	500
1,3-Dichlorobenzene	ND		500	390	ug/L			01/18/21 15:23	500
1,4-Dichlorobenzene	ND		500	420	ug/L			01/18/21 15:23	500
2-Butanone (MEK)	ND		5000	660	ug/L			01/18/21 15:23	500
2-Hexanone	ND		2500	620	ug/L			01/18/21 15:23	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			01/18/21 15:23	500
Acetone	ND		5000	1500	ug/L			01/18/21 15:23	500
Benzene	ND		500	210	ug/L			01/18/21 15:23	500
Bromodichloromethane	ND		500	200	ug/L			01/18/21 15:23	500
Bromoform	ND		500	130	ug/L			01/18/21 15:23	500
Bromomethane	ND		500	350	ug/L			01/18/21 15:23	500
Carbon disulfide	ND		500	95	ug/L			01/18/21 15:23	500
Carbon tetrachloride	ND		500	140	ug/L			01/18/21 15:23	500
Chlorobenzene	ND		500	380	ug/L			01/18/21 15:23	500
Dibromochloromethane	ND		500	160	ug/L			01/18/21 15:23	500
Chloroethane	ND		500	160	ug/L			01/18/21 15:23	500
Chloroform	ND		500	170	ug/L			01/18/21 15:23	500
Chloromethane	ND		500	180	ug/L			01/18/21 15:23	500
cis-1,2-Dichloroethene	12000		500	410	ug/L			01/18/21 15:23	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			01/18/21 15:23	500
Cyclohexane	ND		500	90	ug/L			01/18/21 15:23	500
Dichlorodifluoromethane	ND		500	340	ug/L			01/18/21 15:23	500
Ethylbenzene	ND		500	370	ug/L			01/18/21 15:23	500
1,2-Dibromoethane	ND		500	370	ug/L			01/18/21 15:23	500
Isopropylbenzene	ND		500	400	ug/L			01/18/21 15:23	500
Methyl acetate	ND		1300	650	ug/L			01/18/21 15:23	500
Methyl tert-butyl ether	ND		500	80	ug/L			01/18/21 15:23	500
Methylcyclohexane	ND		500	80	ug/L			01/18/21 15:23	500
Methylene Chloride	310 J		500	220	ug/L			01/18/21 15:23	500
Styrene	ND		500	370	ug/L			01/18/21 15:23	500
Tetrachloroethene	ND		500	180	ug/L			01/18/21 15:23	500
Toluene	ND		500	260	ug/L			01/18/21 15:23	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			01/18/21 15:23	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			01/18/21 15:23	500
Trichloroethene	ND		500	230	ug/L			01/18/21 15:23	500
Trichlorofluoromethane	ND		500	440	ug/L			01/18/21 15:23	500
Vinyl chloride	8000		500	450	ug/L			01/18/21 15:23	500
Xylenes, Total	ND		1000	330	ug/L			01/18/21 15:23	500

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521 DUP

Lab Sample ID: 480-180290-7

Matrix: Water

Date Collected: 01/15/21 13:05

Date Received: 01/16/21 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120		01/18/21 15:23	500
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		01/18/21 15:23	500
4-Bromofluorobenzene (Surr)	99		73 - 120		01/18/21 15:23	500
Dibromofluoromethane (Surr)	102		75 - 123		01/18/21 15:23	500

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180290-1

Client Sample ID: 011521 MW-4
Date Collected: 01/15/21 11:00
Date Received: 01/16/21 12:00

Lab Sample ID: 480-180290-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	566419	01/18/21 13:19	RJF	TAL BUF
Total/NA	Analysis	RSK-175		1	566360	01/17/21 15:27	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			566454	01/18/21 13:31	ADM	TAL BUF
Dissolved	Prep	3005A			566672	01/20/21 09:47	ADM	TAL BUF
Dissolved	Analysis	6010C		1	566882	01/21/21 00:32	AMH	TAL BUF
Total/NA	Prep	3005A			566467	01/19/21 09:20	ADM	TAL BUF
Total/NA	Analysis	6010C		1	566710	01/20/21 00:26	LMH	TAL BUF
Total/NA	Analysis	300.0		2	566412	01/18/21 12:35	IMZ	TAL BUF
Total/NA	Analysis	Nitrate by calc		1	566346	01/16/21 14:20	CRK	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	566448	01/18/21 11:15	MJB	TAL BUF
Total/NA	Analysis	SM 5310C		1	566792	01/19/21 23:27	CLA	TAL BUF

Client Sample ID: 011521 MW-8
Date Collected: 01/15/21 12:50
Date Received: 01/16/21 12:00

Lab Sample ID: 480-180290-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	566419	01/18/21 13:44	RJF	TAL BUF
Total/NA	Analysis	RSK-175		11	566360	01/17/21 15:45	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			566454	01/18/21 13:31	ADM	TAL BUF
Dissolved	Prep	3005A			566672	01/20/21 09:47	ADM	TAL BUF
Dissolved	Analysis	6010C		1	566882	01/21/21 01:02	AMH	TAL BUF
Total/NA	Prep	3005A			566467	01/19/21 09:20	ADM	TAL BUF
Total/NA	Analysis	6010C		1	566710	01/20/21 00:30	LMH	TAL BUF
Total/NA	Analysis	300.0		5	566412	01/18/21 12:49	IMZ	TAL BUF
Total/NA	Analysis	Nitrate by calc		1	566346	01/16/21 14:15	CRK	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	566448	01/18/21 11:15	MJB	TAL BUF
Total/NA	Analysis	SM 5310C		1	566792	01/19/21 23:41	CLA	TAL BUF

Client Sample ID: 011521 MW-10
Date Collected: 01/15/21 12:20
Date Received: 01/16/21 12:00

Lab Sample ID: 480-180290-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	566419	01/18/21 14:08	RJF	TAL BUF
Total/NA	Analysis	RSK-175		1	566360	01/17/21 16:04	DSC	TAL BUF
Total/NA	Analysis	RSK-175	DL	44	566360	01/17/21 17:30	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			566454	01/18/21 13:31	ADM	TAL BUF
Dissolved	Prep	3005A			566672	01/20/21 09:47	ADM	TAL BUF
Dissolved	Analysis	6010C		1	566882	01/21/21 01:05	AMH	TAL BUF
Total/NA	Prep	3005A			566467	01/19/21 09:20	ADM	TAL BUF
Total/NA	Analysis	6010C		1	566710	01/20/21 00:33	LMH	TAL BUF
Total/NA	Analysis	300.0		5	566412	01/18/21 13:03	IMZ	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180290-1

Client Sample ID: 011521 MW-10

Date Collected: 01/15/21 12:20

Date Received: 01/16/21 12:00

Lab Sample ID: 480-180290-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Nitrate by calc		1	566346	01/16/21 14:17	CRK	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	566448	01/18/21 11:15	MJB	TAL BUF
Total/NA	Analysis	SM 5310C		1	566792	01/19/21 23:56	CLA	TAL BUF

Client Sample ID: 011521 MW-2

Date Collected: 01/15/21 13:20

Date Received: 01/16/21 12:00

Lab Sample ID: 480-180290-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	566419	01/18/21 14:34	RJF	TAL BUF

Client Sample ID: 011521 PES-MW-5

Date Collected: 01/15/21 14:50

Date Received: 01/16/21 12:00

Lab Sample ID: 480-180290-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	566419	01/18/21 14:58	RJF	TAL BUF
Total/NA	Analysis	8260C	DL	40	566530	01/19/21 17:00	RJF	TAL BUF

Client Sample ID: 011521 DUP

Date Collected: 01/15/21 13:05

Date Received: 01/16/21 12:00

Lab Sample ID: 480-180290-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	566419	01/18/21 15:23	RJF	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Eurofins TestAmerica, Buffalo

Accreditation/Certification Summary

Client: New York State D.E.C.

Job ID: 480-180290-1

Project/Site: 222 South Ferry Street #447047

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	01-21-21

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Eurofins TestAmerica, Buffalo

Method Summary

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180290-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	TAL BUF
SM 4500 S2 F	Sulfide, Total	SM	TAL BUF
SM 5310C	TOC	SM	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
FILTRATION	Sample Filtration	None	TAL BUF

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180290-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-180290-1	011521 MW-4	Water	01/15/21 11:00	01/16/21 12:00	
480-180290-2	011521 MW-8	Water	01/15/21 12:50	01/16/21 12:00	
480-180290-3	011521 MW-10	Water	01/15/21 12:20	01/16/21 12:00	
480-180290-4	011521 MW-2	Water	01/15/21 13:20	01/16/21 12:00	
480-180290-6	011521 PES-MW-5	Water	01/15/21 14:50	01/16/21 12:00	
480-180290-7	011521 DUP	Water	01/15/21 13:05	01/16/21 12:00	

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Eurofins TestAmerica, Buffalo

**110 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991**

Chain of Custody Record

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/Matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicity to Eurofins TestAmerica.

Possible Hazard /Identification

Unconfirmed **Deliverable Requested:** I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months
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Do Not Lift Using This Tag

Part # 159469-434 R12 EXP 06/21

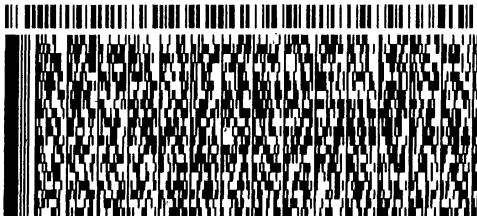


Environment Testing
TestAmerica

ORIGIN ID:DKKA (716) 691-2600
SAMPLE RECEIPT
EUROFINS TESTAMERICA BUFFALO
10 HAZELWOOD DR
AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 19JAN21
ACTWGT: 13.85
CAD: 846654
DIMS: 19x12x12
BILL S

TO **SAMPLE MGT.**
TA BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1026
REF: TA BURLINGTON



TRK#
0201 1888 3862 8587

WED - 20 JAN 10:30A
PRIORITY OVERNIGHT

XH BTVA

05403
VT-US BTV



Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-180290-1

Login Number: 180290

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	HRP
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



Environment Testing
America



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-180379-1
Client Project/Site: 222 South Ferry Street #447047
Revision: 1

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Ms. Ruth Curley

Authorized for release by:
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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Judy Stone
Senior Project Manager
2/9/2021 2:38:03 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180379-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

%	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180379-1

Job ID: 480-180379-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-180379-1

Revision (1)

The report is revised to report data to the MDL as requested by the client on 2/5/21.

Receipt

The samples were received on 1/20/2021 9:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 011821PES-MW-6 (480-180379-1), 011521PES-MW-4 (480-180379-5), (480-180379-B-5 MS) and (480-180379-B-5 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-566854 recovered outside acceptance criteria, low biased, for Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated samples are impacted: 011821PES-MW-6 (480-180379-1), 011821MW-6R (480-180379-2), 011821MW-14 (480-180379-3), 011821MW-12 (480-180379-4), 011521PES-MW-4 (480-180379-5) and 011821TRIP BLANK (480-180379-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180379-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011821PES-MW-6

Lab Sample ID: 480-180379-1

Date Collected: 01/18/21 10:00

Matrix: Water

Date Received: 01/20/21 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			01/21/21 15:06	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			01/21/21 15:06	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			01/21/21 15:06	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			01/21/21 15:06	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			01/21/21 15:06	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			01/21/21 15:06	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			01/21/21 15:06	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			01/21/21 15:06	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			01/21/21 15:06	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			01/21/21 15:06	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			01/21/21 15:06	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			01/21/21 15:06	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			01/21/21 15:06	5
2-Butanone (MEK)	47	J	50	6.6	ug/L			01/21/21 15:06	5
2-Hexanone	ND		25	6.2	ug/L			01/21/21 15:06	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			01/21/21 15:06	5
Acetone	ND		50	15	ug/L			01/21/21 15:06	5
Benzene	ND		5.0	2.1	ug/L			01/21/21 15:06	5
Bromodichloromethane	ND		5.0	2.0	ug/L			01/21/21 15:06	5
Bromoform	ND		5.0	1.3	ug/L			01/21/21 15:06	5
Bromomethane	ND		5.0	3.5	ug/L			01/21/21 15:06	5
Carbon disulfide	ND		5.0	0.95	ug/L			01/21/21 15:06	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			01/21/21 15:06	5
Chlorobenzene	ND		5.0	3.8	ug/L			01/21/21 15:06	5
Dibromochloromethane	ND		5.0	1.6	ug/L			01/21/21 15:06	5
Chloroethane	ND		5.0	1.6	ug/L			01/21/21 15:06	5
Chloroform	ND		5.0	1.7	ug/L			01/21/21 15:06	5
Chloromethane	ND		5.0	1.8	ug/L			01/21/21 15:06	5
cis-1,2-Dichloroethene	170		5.0	4.1	ug/L			01/21/21 15:06	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			01/21/21 15:06	5
Cyclohexane	ND		5.0	0.90	ug/L			01/21/21 15:06	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			01/21/21 15:06	5
Ethylbenzene	ND		5.0	3.7	ug/L			01/21/21 15:06	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			01/21/21 15:06	5
Isopropylbenzene	ND		5.0	4.0	ug/L			01/21/21 15:06	5
Methyl acetate	ND		13	6.5	ug/L			01/21/21 15:06	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			01/21/21 15:06	5
Methylcyclohexane	ND		5.0	0.80	ug/L			01/21/21 15:06	5
Methylene Chloride	3.9	J	5.0	2.2	ug/L			01/21/21 15:06	5
Styrene	ND		5.0	3.7	ug/L			01/21/21 15:06	5
Tetrachloroethene	ND		5.0	1.8	ug/L			01/21/21 15:06	5
Toluene	ND		5.0	2.6	ug/L			01/21/21 15:06	5
trans-1,2-Dichloroethene	33		5.0	4.5	ug/L			01/21/21 15:06	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			01/21/21 15:06	5
Trichloroethene	13		5.0	2.3	ug/L			01/21/21 15:06	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			01/21/21 15:06	5
Vinyl chloride	200		5.0	4.5	ug/L			01/21/21 15:06	5
Xylenes, Total	ND		10	3.3	ug/L			01/21/21 15:06	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Project/Site: 222 South Ferry Street #447047

Job ID: 480-180379-1

Client Sample ID: 011821PES-MW-6

Date Collected: 01/18/21 10:00

Date Received: 01/20/21 09:00

Lab Sample ID: 480-180379-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120		01/21/21 15:06	5
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		01/21/21 15:06	5
4-Bromofluorobenzene (Surr)	100		73 - 120		01/21/21 15:06	5
Dibromofluoromethane (Surr)	93		75 - 123		01/21/21 15:06	5

Client Sample Results

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180379-1

Client Sample ID: 011821MW-6R

Lab Sample ID: 480-180379-2

Matrix: Water

Date Collected: 01/18/21 10:45

Date Received: 01/20/21 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/21/21 15:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/21/21 15:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/21/21 15:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/21/21 15:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/21/21 15:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/21/21 15:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/21/21 15:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/21/21 15:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/21/21 15:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/21/21 15:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/21/21 15:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/21/21 15:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/21/21 15:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/21/21 15:31	1
2-Hexanone	ND		5.0	1.2	ug/L			01/21/21 15:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/21/21 15:31	1
Acetone	ND		10	3.0	ug/L			01/21/21 15:31	1
Benzene	ND		1.0	0.41	ug/L			01/21/21 15:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/21/21 15:31	1
Bromoform	ND		1.0	0.26	ug/L			01/21/21 15:31	1
Bromomethane	ND		1.0	0.69	ug/L			01/21/21 15:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/21/21 15:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/21/21 15:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/21/21 15:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/21/21 15:31	1
Chloroethane	ND		1.0	0.32	ug/L			01/21/21 15:31	1
Chloroform	ND		1.0	0.34	ug/L			01/21/21 15:31	1
Chloromethane	ND		1.0	0.35	ug/L			01/21/21 15:31	1
cis-1,2-Dichloroethene	51		1.0	0.81	ug/L			01/21/21 15:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/21/21 15:31	1
Cyclohexane	ND		1.0	0.18	ug/L			01/21/21 15:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/21/21 15:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/21/21 15:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/21/21 15:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/21/21 15:31	1
Methyl acetate	ND		2.5	1.3	ug/L			01/21/21 15:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/21/21 15:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/21/21 15:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/21/21 15:31	1
Styrene	ND		1.0	0.73	ug/L			01/21/21 15:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/21/21 15:31	1
Toluene	ND		1.0	0.51	ug/L			01/21/21 15:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/21/21 15:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/21/21 15:31	1
Trichloroethene	ND		1.0	0.46	ug/L			01/21/21 15:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/21/21 15:31	1
Vinyl chloride	14		1.0	0.90	ug/L			01/21/21 15:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/21/21 15:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180379-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011821MW-6R

Lab Sample ID: 480-180379-2

Matrix: Water

Date Collected: 01/18/21 10:45

Date Received: 01/20/21 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		01/21/21 15:31	1
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		01/21/21 15:31	1
4-Bromofluorobenzene (Surr)	102		73 - 120		01/21/21 15:31	1
Dibromofluoromethane (Surr)	96		75 - 123		01/21/21 15:31	1

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180379-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011821MW-14

Lab Sample ID: 480-180379-3

Date Collected: 01/18/21 12:35

Matrix: Water

Date Received: 01/20/21 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/21/21 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/21/21 15:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/21/21 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/21/21 15:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/21/21 15:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/21/21 15:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/21/21 15:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/21/21 15:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/21/21 15:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/21/21 15:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/21/21 15:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/21/21 15:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/21/21 15:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/21/21 15:55	1
2-Hexanone	ND		5.0	1.2	ug/L			01/21/21 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/21/21 15:55	1
Acetone	ND		10	3.0	ug/L			01/21/21 15:55	1
Benzene	ND		1.0	0.41	ug/L			01/21/21 15:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/21/21 15:55	1
Bromoform	ND		1.0	0.26	ug/L			01/21/21 15:55	1
Bromomethane	ND		1.0	0.69	ug/L			01/21/21 15:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/21/21 15:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/21/21 15:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/21/21 15:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/21/21 15:55	1
Chloroethane	ND		1.0	0.32	ug/L			01/21/21 15:55	1
Chloroform	ND		1.0	0.34	ug/L			01/21/21 15:55	1
Chloromethane	ND		1.0	0.35	ug/L			01/21/21 15:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/21/21 15:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/21/21 15:55	1
Cyclohexane	ND		1.0	0.18	ug/L			01/21/21 15:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/21/21 15:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/21/21 15:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/21/21 15:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/21/21 15:55	1
Methyl acetate	ND		2.5	1.3	ug/L			01/21/21 15:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/21/21 15:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/21/21 15:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/21/21 15:55	1
Styrene	ND		1.0	0.73	ug/L			01/21/21 15:55	1
Tetrachloroethene	1.1		1.0	0.36	ug/L			01/21/21 15:55	1
Toluene	ND		1.0	0.51	ug/L			01/21/21 15:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/21/21 15:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/21/21 15:55	1
Trichloroethene	ND		1.0	0.46	ug/L			01/21/21 15:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/21/21 15:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/21/21 15:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/21/21 15:55	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Project/Site: 222 South Ferry Street #447047

Job ID: 480-180379-1

Client Sample ID: 011821MW-14

Date Collected: 01/18/21 12:35

Date Received: 01/20/21 09:00

Lab Sample ID: 480-180379-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		01/21/21 15:55	1
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		01/21/21 15:55	1
4-Bromofluorobenzene (Surr)	99		73 - 120		01/21/21 15:55	1
Dibromofluoromethane (Surr)	94		75 - 123		01/21/21 15:55	1

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180379-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011821MW-12

Lab Sample ID: 480-180379-4

Date Collected: 01/18/21 15:40

Matrix: Water

Date Received: 01/20/21 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/21/21 16:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/21/21 16:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/21/21 16:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/21/21 16:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/21/21 16:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/21/21 16:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/21/21 16:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/21/21 16:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/21/21 16:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/21/21 16:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/21/21 16:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/21/21 16:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/21/21 16:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/21/21 16:20	1
2-Hexanone	ND		5.0	1.2	ug/L			01/21/21 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/21/21 16:20	1
Acetone	ND		10	3.0	ug/L			01/21/21 16:20	1
Benzene	ND		1.0	0.41	ug/L			01/21/21 16:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/21/21 16:20	1
Bromoform	ND		1.0	0.26	ug/L			01/21/21 16:20	1
Bromomethane	ND		1.0	0.69	ug/L			01/21/21 16:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/21/21 16:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/21/21 16:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/21/21 16:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/21/21 16:20	1
Chloroethane	ND		1.0	0.32	ug/L			01/21/21 16:20	1
Chloroform	ND		1.0	0.34	ug/L			01/21/21 16:20	1
Chloromethane	ND		1.0	0.35	ug/L			01/21/21 16:20	1
cis-1,2-Dichloroethene	7.8		1.0	0.81	ug/L			01/21/21 16:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/21/21 16:20	1
Cyclohexane	ND		1.0	0.18	ug/L			01/21/21 16:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/21/21 16:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/21/21 16:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/21/21 16:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/21/21 16:20	1
Methyl acetate	ND		2.5	1.3	ug/L			01/21/21 16:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/21/21 16:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/21/21 16:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/21/21 16:20	1
Styrene	ND		1.0	0.73	ug/L			01/21/21 16:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/21/21 16:20	1
Toluene	ND		1.0	0.51	ug/L			01/21/21 16:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/21/21 16:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/21/21 16:20	1
Trichloroethene	ND		1.0	0.46	ug/L			01/21/21 16:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/21/21 16:20	1
Vinyl chloride	3.0		1.0	0.90	ug/L			01/21/21 16:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/21/21 16:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Project/Site: 222 South Ferry Street #447047

Job ID: 480-180379-1

Client Sample ID: 011821MW-12

Date Collected: 01/18/21 15:40

Date Received: 01/20/21 09:00

Lab Sample ID: 480-180379-4

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		01/21/21 16:20	1
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		01/21/21 16:20	1
4-Bromofluorobenzene (Surr)	92		73 - 120		01/21/21 16:20	1
Dibromofluoromethane (Surr)	92		75 - 123		01/21/21 16:20	1

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180379-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521PES-MW-4

Lab Sample ID: 480-180379-5

Date Collected: 01/15/21 15:00

Matrix: Water

Date Received: 01/20/21 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			01/21/21 16:45	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			01/21/21 16:45	50
1,1,2-Trichloroethane	ND		50	12	ug/L			01/21/21 16:45	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			01/21/21 16:45	50
1,1-Dichloroethane	ND	F1	50	19	ug/L			01/21/21 16:45	50
1,1-Dichloroethene	ND		50	15	ug/L			01/21/21 16:45	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			01/21/21 16:45	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			01/21/21 16:45	50
1,2-Dichlorobenzene	ND	F1	50	40	ug/L			01/21/21 16:45	50
1,2-Dichloroethane	ND		50	11	ug/L			01/21/21 16:45	50
1,2-Dichloropropane	ND	F1	50	36	ug/L			01/21/21 16:45	50
1,3-Dichlorobenzene	ND		50	39	ug/L			01/21/21 16:45	50
1,4-Dichlorobenzene	ND		50	42	ug/L			01/21/21 16:45	50
2-Butanone (MEK)	ND		500	66	ug/L			01/21/21 16:45	50
2-Hexanone	ND		250	62	ug/L			01/21/21 16:45	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			01/21/21 16:45	50
Acetone	ND	F2	500	150	ug/L			01/21/21 16:45	50
Benzene	ND		50	21	ug/L			01/21/21 16:45	50
Bromodichloromethane	ND		50	20	ug/L			01/21/21 16:45	50
Bromoform	ND		50	13	ug/L			01/21/21 16:45	50
Bromomethane	ND		50	35	ug/L			01/21/21 16:45	50
Carbon disulfide	ND		50	9.5	ug/L			01/21/21 16:45	50
Carbon tetrachloride	ND		50	14	ug/L			01/21/21 16:45	50
Chlorobenzene	ND	F1	50	38	ug/L			01/21/21 16:45	50
Dibromochloromethane	ND		50	16	ug/L			01/21/21 16:45	50
Chloroethane	ND	F1	50	16	ug/L			01/21/21 16:45	50
Chloroform	ND		50	17	ug/L			01/21/21 16:45	50
Chloromethane	ND		50	18	ug/L			01/21/21 16:45	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			01/21/21 16:45	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			01/21/21 16:45	50
Cyclohexane	ND		50	9.0	ug/L			01/21/21 16:45	50
Dichlorodifluoromethane	ND		50	34	ug/L			01/21/21 16:45	50
Ethylbenzene	ND		50	37	ug/L			01/21/21 16:45	50
1,2-Dibromoethane	ND		50	37	ug/L			01/21/21 16:45	50
Isopropylbenzene	ND		50	40	ug/L			01/21/21 16:45	50
Methyl acetate	ND	F1	130	65	ug/L			01/21/21 16:45	50
Methyl tert-butyl ether	ND	F1	50	8.0	ug/L			01/21/21 16:45	50
Methylcyclohexane	ND		50	8.0	ug/L			01/21/21 16:45	50
Methylene Chloride	44	J F1	50	22	ug/L			01/21/21 16:45	50
Styrene	ND		50	37	ug/L			01/21/21 16:45	50
Tetrachloroethene	ND		50	18	ug/L			01/21/21 16:45	50
Toluene	ND	F1	50	26	ug/L			01/21/21 16:45	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			01/21/21 16:45	50
trans-1,3-Dichloropropene	ND	F1	50	19	ug/L			01/21/21 16:45	50
Trichloroethene	ND		50	23	ug/L			01/21/21 16:45	50
Trichlorofluoromethane	ND		50	44	ug/L			01/21/21 16:45	50
Vinyl chloride	2200	F1	50	45	ug/L			01/21/21 16:45	50
Xylenes, Total	ND		100	33	ug/L			01/21/21 16:45	50

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180379-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011521PES-MW-4

Lab Sample ID: 480-180379-5

Date Collected: 01/15/21 15:00

Matrix: Water

Date Received: 01/20/21 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		01/21/21 16:45	50
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		01/21/21 16:45	50
4-Bromofluorobenzene (Surr)	96		73 - 120		01/21/21 16:45	50
Dibromofluoromethane (Surr)	94		75 - 123		01/21/21 16:45	50

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180379-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011821TRIP BLANK

Lab Sample ID: 480-180379-6

Date Collected: 01/18/21 00:00

Matrix: Water

Date Received: 01/20/21 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/21/21 17:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/21/21 17:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/21/21 17:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/21/21 17:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/21/21 17:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/21/21 17:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/21/21 17:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/21/21 17:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/21/21 17:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/21/21 17:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/21/21 17:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/21/21 17:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/21/21 17:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/21/21 17:10	1
2-Hexanone	ND		5.0	1.2	ug/L			01/21/21 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/21/21 17:10	1
Acetone	ND		10	3.0	ug/L			01/21/21 17:10	1
Benzene	ND		1.0	0.41	ug/L			01/21/21 17:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/21/21 17:10	1
Bromoform	ND		1.0	0.26	ug/L			01/21/21 17:10	1
Bromomethane	ND		1.0	0.69	ug/L			01/21/21 17:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/21/21 17:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/21/21 17:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/21/21 17:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/21/21 17:10	1
Chloroethane	ND		1.0	0.32	ug/L			01/21/21 17:10	1
Chloroform	ND		1.0	0.34	ug/L			01/21/21 17:10	1
Chloromethane	ND		1.0	0.35	ug/L			01/21/21 17:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/21/21 17:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/21/21 17:10	1
Cyclohexane	ND		1.0	0.18	ug/L			01/21/21 17:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/21/21 17:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/21/21 17:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/21/21 17:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/21/21 17:10	1
Methyl acetate	ND		2.5	1.3	ug/L			01/21/21 17:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/21/21 17:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/21/21 17:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/21/21 17:10	1
Styrene	ND		1.0	0.73	ug/L			01/21/21 17:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/21/21 17:10	1
Toluene	ND		1.0	0.51	ug/L			01/21/21 17:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/21/21 17:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/21/21 17:10	1
Trichloroethene	ND		1.0	0.46	ug/L			01/21/21 17:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/21/21 17:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/21/21 17:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/21/21 17:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.

Job ID: 480-180379-1

Project/Site: 222 South Ferry Street #447047

Client Sample ID: 011821TRIP BLANK

Lab Sample ID: 480-180379-6

Matrix: Water

Date Collected: 01/18/21 00:00

Date Received: 01/20/21 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		01/21/21 17:10	1
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		01/21/21 17:10	1
4-Bromofluorobenzene (Surr)	99		73 - 120		01/21/21 17:10	1
Dibromofluoromethane (Surr)	93		75 - 123		01/21/21 17:10	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180379-1

Client Sample ID: 011821PES-MW-6
Date Collected: 01/18/21 10:00
Date Received: 01/20/21 09:00

Lab Sample ID: 480-180379-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	566854	01/21/21 15:06	CRL	TAL BUF

Client Sample ID: 011821MW-6R
Date Collected: 01/18/21 10:45
Date Received: 01/20/21 09:00

Lab Sample ID: 480-180379-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	566854	01/21/21 15:31	CRL	TAL BUF

Client Sample ID: 011821MW-14
Date Collected: 01/18/21 12:35
Date Received: 01/20/21 09:00

Lab Sample ID: 480-180379-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	566854	01/21/21 15:55	CRL	TAL BUF

Client Sample ID: 011821MW-12
Date Collected: 01/18/21 15:40
Date Received: 01/20/21 09:00

Lab Sample ID: 480-180379-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	566854	01/21/21 16:20	CRL	TAL BUF

Client Sample ID: 011521PES-MW-4
Date Collected: 01/15/21 15:00
Date Received: 01/20/21 09:00

Lab Sample ID: 480-180379-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	566854	01/21/21 16:45	CRL	TAL BUF

Client Sample ID: 011821TRIP BLANK
Date Collected: 01/18/21 00:00
Date Received: 01/20/21 09:00

Lab Sample ID: 480-180379-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	566854	01/21/21 17:10	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Eurofins TestAmerica, Buffalo

Accreditation/Certification Summary

Client: New York State D.E.C.

Job ID: 480-180379-1

Project/Site: 222 South Ferry Street #447047

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	01-21-21

1

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3

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Eurofins TestAmerica, Buffalo

Method Summary

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180379-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: 222 South Ferry Street #447047

Job ID: 480-180379-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID	
480-180379-1	011821PES-MW-6	Water	01/18/21 10:00	01/20/21 09:00		1
480-180379-2	011821MW-6R	Water	01/18/21 10:45	01/20/21 09:00		2
480-180379-3	011821MW-14	Water	01/18/21 12:35	01/20/21 09:00		3
480-180379-4	011821MW-12	Water	01/18/21 15:40	01/20/21 09:00		4
480-180379-5	011521PES-MW-4	Water	01/15/21 15:00	01/20/21 09:00		5
480-180379-6	011821TRIP BLANK	Water	01/18/21 00:00	01/20/21 09:00		6

Albany Chain of Custody Record

#224

Client Information		Sampler: <u>Patrick Montuori</u>		Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No:
Client Contact: Patrick Montuori	Phone: 845-531-9490	E-Mail: Judy.Stone@Eurofins.net.com			State of Origin:	480-155235-344032
Company: HRP Associates, Inc.	PWSID:				Page:	Page 2 of 2
Address: 1 Fairchild Square Suite 110 City: Clifton Park State, Zip: NY, 12065 Phone:	Due Date Requested:	TAT Requested (days): <u>Standard</u>	Compliance Project: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PO #:	Call Out ID: 137492 WO #:	Special Instructions/Note: H - Ascorbic Acid I - Iodine J - Di Water K - EDTA L - EDA Z - other (specify) Other:
Email: Patrick.Montuori@hrpassociates.com Project Name: 222 South Ferry Street #447047 Site: SSOW#:						Total Number of Containers
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Preservation Code:	Matrix (W=water, S=solid, O=waste oil, B=tissue, A=Air)
Q11821PES-MW-6	1/18/21	10:00	G	Water		
Q11821MW-6R		10:45		Water		3
Q11821MW-14		12:35		Water		3
Q11821MW-12		15:40		Water		3
Q11521PES-MW-4	1/15/21	15:00		Water		3
Q11821TripBlank	1/18/21			Water		2

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-180379-1

Login Number: 180379

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	HRP
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	