August 25, 2021

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

RE: 3rd 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 third 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 from selected onsite monitoring wells. The field activities and results of the 3rd quarter 2021 IRM Monitoring are summarized below.

Field Activities
HRP mobilized to the Site on July 7, 2021, to conduct groundwater level gauging and sampling of 11 monitoring wells per the IRMMP. 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 14 wells including: MW-2, MW-4, MW-5, MW-6R, MW-7, MW-8, MW-9, MW-10, MW-12, MW-13, MW-14, PES-MW-4, PES-MW-5, and PES-MW-6. The monitoring well locations are depicted on **Figure 2**.

Groundwater samples were collected from 11 total monitoring wells in general accordance with EPA Low Flow purge and sample guidelines. Purging required removing water from the well at a rate of at least 200 milliliters per minute, but not exceeding 1 liter per minute for a sufficient length of time for water quality parameters to stabilize. Sampling commenced immediately after purging, without adjusting the flow rate or water intake depth.

For QA/QC purposes, matrix spike and matrix spike duplicate (MS/MSD) samples were collected from MW-8. A duplicate sample was collected from MW-8 and designated "Dup-1". The full list of parameters analyzed for each well sampled during the 3rd quarter sampling event are included in **Table 1**. During the 3rd quarter event, samples from MW-6R and MW-13, were analyzed for geochemical parameters,

in addition to MW-5, MW-8, and MW-10, which have been analyzed for the parameters in previous quarters.

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

Deviations from Work Plan

The following deviations to the IRMMP were made during to the 3rd quarter monitoring and sampling event:

- All wells selected for sampling in the IRMMP were sampled during the 3rd quarter event, with the exception of MW-1 which was determined to be compromised ("silted-in") during the 1st quarter sampling event.
- Stabilization was not achieved prior to sampling at monitoring wells MW-5 and MW-8 due to the wells running dry during purging. After sufficient recharge was achieved, a grab groundwater sample was collected from each well.
- Depth to water measurements were not collected at wells MW-3 and MW-11 as MW-3 was found to be silted-in and MW-11 could not be located.

Findings

During the 3rd quarter 2021 monitoring and sampling event, groundwater was encountered in monitoring wells at depths ranging from 4.40 to 7.13 ft below top of casing (btoc). Sheen was observed on groundwater purged from MW-2, MW-8, MW-14, PES-MW-4, PES-MW-5, and PES-MW-6, during the 3rd quarter. Based on the 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 elevation contour map, prepared from water level data collected on July 7, 2021, shows that onsite groundwater predominantly flows from south-southeast to north-northwest. The groundwater contours constructed from the 3rd quarter monitoring data are depicted on **Figure 3**. When compared to measurements recorded during the 2nd quarter (April) 2021 event, groundwater elevation was an average 0.66 feet lower in the monitoring wells across the Site. Depth to water measurements, groundwater elevations, and available well construction details are presented on **Table 2**.

VOC analytical results indicate that chlorinated VOCs were detected above the laboratory method detections limits (MDLs) in each of the eleven monitoring wells sampled during the 3rd quarter event. VOCs were detected at concentrations exceeding NYSDEC Class GA Criteria in samples from all wells, with the exception of the sample collected from MW-14. VOC analytical results from the 3rd quarter sample event are presented on **Table 3**.

A comparison of the 3rd quarter sampling results to historical results indicates a continued decrease in TCE in wells MW-8 and PES-MW-6. TCE also showed a decrease between the 2nd and 3rd quarter in sample results from MW-5. Increases in TCE concentrations were not observed in any of the monitoring wells. Changes in concentrations of the breakdown products cis-1,2-DCE and vinyl chloride were more variable across the monitoring well network, with some wells showing decreases in both compounds

(MW-10, PES-MW-4, and PES-MW-5), and others showing increases in one or both compounds. A comparison of previous quarterly and pre-IRM VOC results is presented on **Table 4** and in relation to monitoring well locations on **Figure 4**. Line graphs depicting chlorinated VOC concentrations and groundwater elevation over time, are included in **Attachment B**.

Results of geochemical parameter analyses from MW-8, in the center of the treatment area, indicate trends of increasing ethylene, ethane, and methane concentrations (breakdown products of the chlorinated VOCs) throughout the quarterly monitoring events following treatment. Iron remains at an elevated concentration in MW-8, relative to pre-IRM conditions. Results from MW-10, located hydraulically downgradient from the treatment area, indicate elevated concentrations of ethylene and methane as well as iron. Post-IRM results from upgradient wells MW-5 and MW-6R indicate trace to non-detect concentrations of ethylene and ethane and lower concentrations of methane relative to results from MW-8 and MW-10. Iron concentrations in MW-5 are notably low compared to concentrations in MW-8. A comparison of 3rd quarter geochemical parameter data to previous quarterly and pre-IRM data is presented on **Table 5**.

Data validation of the 3rd quarter VOC analytical results was completed by Judy Harry of Data Validation Services. The Data Usability Summary Report (DUSR) for the analytical results indicates that no data was deemed to be unusable. As part of the data validation review, vinyl chloride results for MW-8 and its duplicate (DUP-1) were qualified as estimated due to matrix spike recoveries and calibration standards outside of validation guidelines. The laboratory analytical report from the 3rd quarter sample event is included in **Attachment C** and accompanying DUSR is included in **Attachment D.** The validated electronic data deliverables (EDDs) have been submitted separately to the NYSDEC project manager and will be entered into the NYSDEC data base shortly.

Conclusions

Results from the first three quarterly monitoring events of 2021 indicate dechlorination is occurring in groundwater beneath the Site. Specifically results from monitoring wells within the injection area (MW-8, PES-MW-5, and PES-MW-6) and downgradient of the injection area (PES-MW-4 and MW-10) have shown trends of overall decline in concentrations of TCE, cis-1,2-DCE, and vinyl chloride. Quarterly increases in cis-1,2-DCE and vinyl chloride observed in some of these wells may be attributed to the breakdown of their parent products. Results from geochemical analyses also provide evidence for dechlorination within, and downgradient of the injection area, particularly elevated concentrations of ethene, ethylene, and methane (breakdown products of the chlorinated solvents) in MW-8 and MW-10. Iron concentrations in samples from MW-8 and MW-10 also remain elevated indicating potential for continued dechlorination in this area. The area of observed dechlorination is depicted on **Figure 2**.

Results from MW-2 and MW-12 (downgradient and cross-gradient west of the injection area respectively), indicate concentrations of cis-1,2-DCE and vinyl chloride are consistent with pre-IRM concentrations, but below concentrations observed in source area/injection area wells and MW-10 where dechlorination has been observed.

Results from upgradient wells MW-5 and MW-6R, and cross-gradient east well MW-13, do not show evidence of dechlorination. Chlorinated VOC concentrations remain elevated in these wells and changes to geochemical parameters indicative of dechlorination have not been observed.

Additional quarterly monitoring and sampling data will be used for continued evaluation of the effectiveness of the IRM and to determine next steps in Site management.

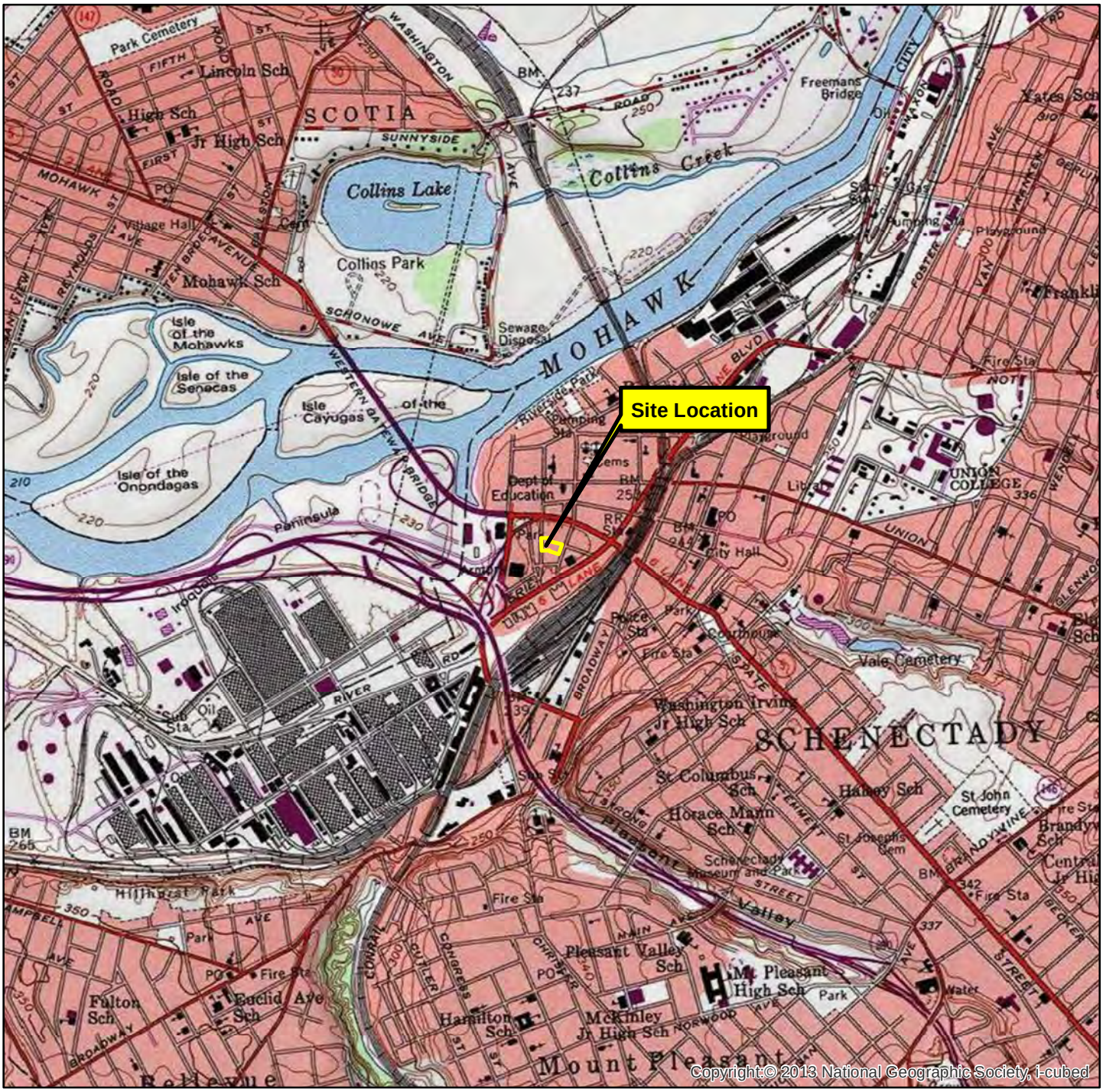
If you have any questions or require additional information, please feel free to contact HRP at (518) 877-7101.

Sincerely,

Patrick Montuori
Senior Project Consultant

Mark Wright, PG, CSP
Project Manager

FIGURES



0 1,000 2,000 4,000 6,000 8,000

Feet

1 inch = 2,000 feet

N

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'

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Path: S:\Data\NNYDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\SCHENECTADY\222 SOUTH FERRY STREET\DEC1012RA\GIS\Figure 1 - Site Location.mxd

Legend

- Monitoring Well
- Injection Point Used for In-Situ Groundwater Treatment
- Approximate Groundwater Flow Direction
- Approximate Property Line
- Area of Observed Dechlorination
- No Evidence of Dechlorination Observed

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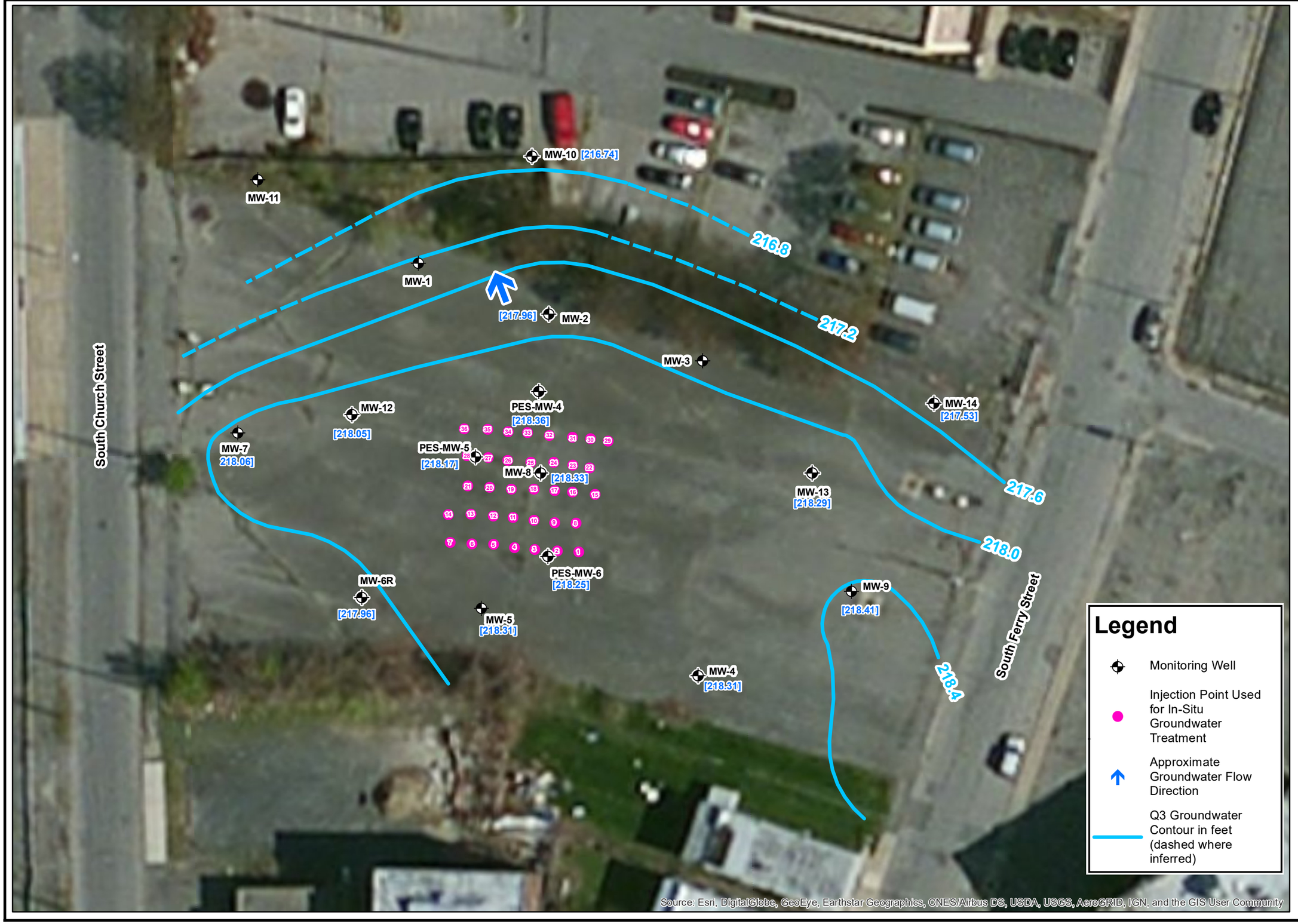
Monitoring Well and Injection Point Locations

222 South Ferry Street
Schenectady, New York

FIGURE

2



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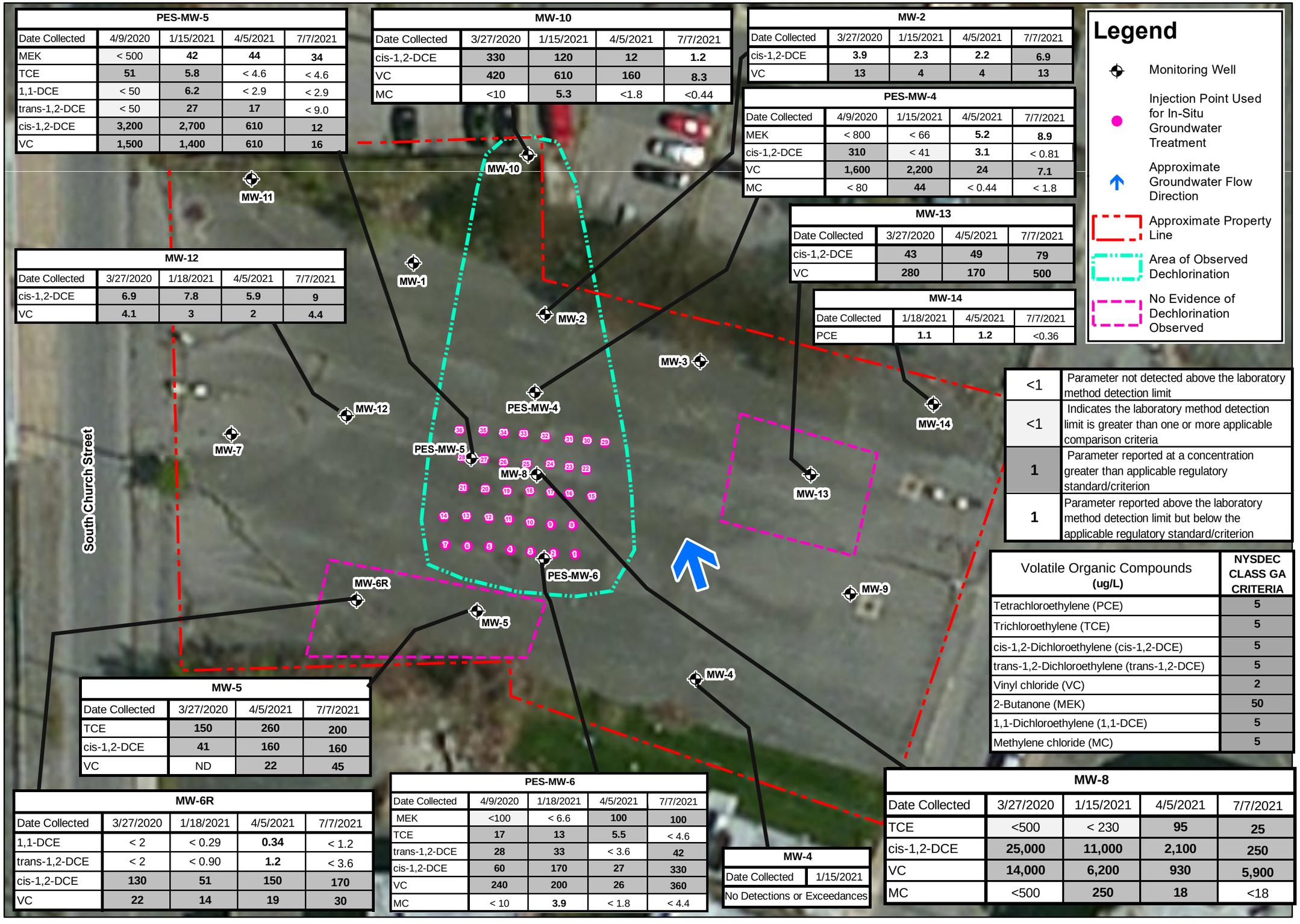
Groundwater Contours July 7, 2021

222 South Ferry Street
Schenectady, New York

Figure
3



PES-MW-5				
Date Collected	4/9/2020	1/15/2021	4/5/2021	7/7/2021
MEK	< 500	**42**	**44**	**34**
TCE	**51**	**5.8**	< 4.6	< 4.6
1,1-DCE	< 50	**6.2**	< 2.9	< 2.9
trans-1,2-DCE	< 50	**27**	**17**	< 9.0
cis-1,2-DCE	**3,200**	**2,700**	**610**	**12**
VC	**1,500**	**1,400**	**610**	**16**

MW-10				
Date Collected	3/27/2020	1/15/2021	4/5/2021	7/7/2021
cis-1,2-DCE	**330**	**120**	**12**	**1.2**
VC	**420**	**610**	**160**	**8.3**
MC	<10	**5.3**	<1.8	<0.44

MW-2				
Date Collected	3/27/2020	1/15/2021	4/5/2021	7/7/2021
cis-1,2-DCE	**3.9**	**2.3**	**2.2**	**6.9**
VC	**13**	**4**	**4**	**13**

PES-MW-4				
Date Collected	4/9/2020	1/15/2021	4/5/2021	7/7/2021
MEK	< 800	< 66	**5.2**	**8.9**
cis-1,2-DCE	**310**	< 41	**3.1**	< 0.81
VC	**1,600**	**2,200**	**24**	**7.1**
MC	< 80	**44**	< 0.44	< 1.8

MW-13			
Date Collected	3/27/2020	4/5/2021	7/7/2021
cis-1,2-DCE	**43**	**49**	**79**
VC	**280**	**170**	**500**

MW-14			
Date Collected	1/18/2021	4/5/2021	7/7/2021
PCE	**1.1**	**1.2**	<0.36

Legend

- Monitoring Well
- Injection Point Used for In-Situ Groundwater Treatment
- Approximate Groundwater Flow Direction
- Approximate Property Line
- Area of Observed Dechlorination
- No Evidence of Dechlorination Observed

<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

MW-12				
Date Collected	3/27/2020	1/18/2021	4/5/2021	7/7/2021
cis-1,2-DCE	**6.9**	**7.8**	**5.9**	**9**
VC	**4.1**	**3**	**2**	**4.4**

MW-5			
Date Collected	3/27/2020	4/5/2021	7/7/2021
TCE	**150**	**260**	**200**
cis-1,2-DCE	**41**	**160**	**160**
VC	ND	**22**	**45**

MW-6R				
Date Collected	3/27/2020	1/18/2021	4/5/2021	7/7/2021
1,1-DCE	< 2	< 0.29	**0.34**	< 1.2
trans-1,2-DCE	< 2	< 0.90	**1.2**	< 3.6
cis-1,2-DCE	**130**	**51**	**150**	**170**
VC	**22**	**14**	**19**	**30**

PES-MW-6				
Date Collected	4/9/2020	1/18/2021	4/5/2021	7/7/2021
MEK	<100	< 6.6	**100**	**100**
TCE	**17**	**13**	**5.5**	< 4.6
trans-1,2-DCE	**28**	**33**	< 3.6	**42**
cis-1,2-DCE	**60**	**170**	**27**	**330**
VC	**240**	**200**	**26**	**360**
MC	< 10	**3.9**	< 1.8	< 4.4

MW-4	
Date Collected	1/15/2021
No Detections or Exceedances	

MW-8				
Date Collected	3/27/2020	1/15/2021	4/5/2021	7/7/2021
TCE	<500	< 230	**95**	**25**
cis-1,2-DCE	**25,000**	**11,000**	**2,100**	**250**
VC	**14,000**	**6,200**	**930**	**5,900**
MC	<500	**250**	**18**	<18

Volatile Organic Compounds (ug/L)	NYSDEC CLASS GA CRITERIA
Tetrachloroethylene (PCE)	5
Trichloroethylene (TCE)	5
cis-1,2-Dichloroethylene (cis-1,2-DCE)	5
trans-1,2-Dichloroethylene (trans-1,2-DCE)	5
Vinyl chloride (VC)	2
2-Butanone (MEK)	50
1,1-Dichloroethylene (1,1-DCE)	5
Methylene chloride (MC)	5

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Reviewed By: PM

Issue Date: 07/30/2021
Project No: DEC1012.RA
Sheet Size: 11x17

Monitoring Well and Injection Point Locations

222 South Ferry Street
Schenectady, New York

FIGURE
4

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	6	MW-2, MW-12, MW-14 PES-MW-4, PES-MW-5, PES-MW-6	6	VOCs by EPA Method 8260C
		5	MW-5, MW-6R, MW-8, MW-10, MW-13	8 (includes 1 duplicate, 1 MS, 1 MSD to be collected from MW-8)	VOCs by EPA Method 8260C CO2 - Dissolved Gases (GC) by Method RSK_175_CO2 Iron: Total and Dissolved by EPA Method 6010C Manganese: Total and Dissolved by EPA Method 6010C Chloride and Sulfate by EPA Method 300.0 Sulfide by SM4500_S2_F Nitrate by EPA Method 353.2 TOC by EPA Method 5310C Alkalinity, Total by EPA Method 310.2 Methane/Ethane/Ethene - Dissolved Gases (GC) by Method RSK_175

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

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

Monitoring Well Designation		MW-2	MW-4	MW-5	MW-6R	MW-7	MW-8	MW-9	MW-10	MW-12	MW-13	MW-14	PES-MW-4	PES-MW-5	PES-MW-6
Installation Date		12/1/2007	12/1/2007	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	224.51	224.06	225.13	224.00	222.81	223.87	224.19	223.08	222.36	223.88	224.07	224.3
Screened Interval (ft btoc)		5 - 15	Unknown	Unknown	5 to 15	Unknown	Unknown	Unknown	10 - 20	5 - 15	5 - 15	2 - 12	5 - 10	8 - 13	4 - 14
Well Diameter (inches)		1	1	1	2	1	1	1	2	2	2	2	2	2	2
Measurement Date	**Gauging Data**														
1/15/2021	Depth to Water (ft btoc)	5.65	5.15	ND	5.92	6.87	5.59	4.39	7.98	ND	4.42	3.95	5.20	5.76	5.63
	Groundwater Elevation (ft amsl)	218.19	218.77	ND	218.14	218.26	218.41	218.42	215.89	ND	218.66	218.41	218.68	218.31	218.67
	Measured Depth to Bottom (ft btoc)	12.75	11.65	ND	14.65	12.27	12.46	12.27	18.60	14.15	13.70	11.89	9.58	12.90	13.85
4/5/2021	Depth to Water (ft btoc)	5.28	4.83	5.35	5.55	6.56	5.05	3.77	6.93	5.59	4.23	3.64	4.88	5.36	5.09
	Groundwater Elevation (ft amsl)	218.56	219.09	219.16	218.51	218.57	218.95	219.04	216.94	218.60	218.85	218.72	219.00	218.71	219.21
	Measured Depth to Bottom (ft btoc)	12.71	9.72	12.20	14.65	12.25	12.50	11.90	18.39	14.10	13.60	11.90	8.35	12.65	14.25
7/7/2021	Depth to Water (ft btoc)	5.88	5.61	6.20	6.10	7.07	5.67	4.40	7.13	6.14	4.79	4.83	5.52	5.90	6.05
	Groundwater Elevation (ft amsl)	217.96	218.31	218.31	217.96	218.06	218.33	218.41	216.74	218.05	218.29	217.53	218.36	218.17	218.25
	Measured Depth to Bottom (ft btoc)	12.75	9.65	12.11	14.65	12.29	12.50	11.93	18.35	14.10	13.60	11.82	9.35	12.64	14.26

LEGEND

ft btoc	feet below top of casing
ft amsl	feet above mean sea level
ND	No data - MW-5, MW-12 not accessible on 1/15/21 for gauging during synoptic groundwater level monitoring.

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
Detected Analytes Only

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

Lab Report No.:	NYSDEC CLASS GA CRITERIA	480186986-1										
ID:		MW-2	MW-5	MW-6R	MW-8	MW-10	MW-12	MW-13	MW-14	PES-MW-4	PES-MW-5	PES-MW-6
Date Collected:		**7/7/2021**	**7/7/2021**	**7/7/2021**	**7/7/2021**	**7/7/2021**	**7/7/2021**	**7/7/2021**	**7/7/2021**	**7/7/2021**	**7/7/2021**	**7/7/2021**
Volatile Organic Compounds (VOCs) (ug/L)												
1,1-Dichloroethylene	**5**	<0.29	< 1.5	<1.2	< 12	< 0.29	< 0.29	< 2.3	< 0.29	< 1.2	< 2.9	< 2.9
2-Butanone (MEK)	**50**	< 1.3	< 6.6	< 5.3	< 53	<1.3	< 1.3	< 11	< 1.3	**8.9**	**34**	**100**
Acetone	**50**	< 3.0	< 15	< 12	< 120	<3.0	< 3.0	< 24	< 3.0	<12	< 30	**31**
cis-1,2-Dichloroethylene	**5**	**6.9**	**160**	**170**	**250**	**1.2**	**9**	**79**	< 0.81	**8.7**	**12**	**330**
Chloromethane	**NP**	**0.54**	<1.8	<1.4	<14	<0.35	<0.35	<2.8	**0.37**	<1.4	<3.5	< 3.5
Methylene chloride	**5**	< 0.44	< 2.2	< 1.8	<18	<0.44	< 0.44	< 3.5	< 0.44	< 1.8	< 4.4	< 4.4
Tetrachloroethylene	**5**	< 0.36	< 1.8	< 1.4	< 14	<0.36	< 0.36	< 2.9	<0.36	< 1.4	< 3.6	< 3.6
trans-1,2-Dichloroethylene	**5**	< 0.90	< 4.5	<3.6	< 36	<0.90	< 0.90	< 7.2	< 0.90	< 3.6	< 9.0	**42**
Trichloroethylene	**5**	< 0.46	**200**	< 1.8	**25**	<0.46	**0.63**	< 3.7	< 0.46	**3.8**	< 4.6	< 4.6
Vinyl chloride	**2**	**13**	**45**	**30**	**5900**	**8.3**	**4.4**	**500**	< 0.90	**7.1**	**16**	**360**

Legend

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

Notes:

ug/L = micorgrams per Kilogram

VOCs = Volatile Organic Compounds

NP= Not promulgated

Table 4
Summary of Groundwater Sample Results - Quarterly Comparison by Analyte
Volatile Organic Compounds - Detected Analytes Only

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

			2-Butanone (MEK)	1,1-Dichloroethylene	Methylene chloride	trans-1,2-Dichloroethylene	Tetrachloroethylene	Trichloroethylene	cis-1,2-Dichloroethylene	Vinyl chloride
Well ID	Date Collected	NYSDEC Class GA Criteria	**50**	**5**	**NP**	**5**	**5**	**5**	**5**	**2**
MW-2	3/27/2020	Volatile Organic Compounds (VOCs) (ug/L)	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.9**	**13**
	1/15/2021		< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	**2.3**	**4**
	4/5/2021		< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	**2.2**	**4**
	7/7/2021		< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	**6.9**	**13**
MW-4	1/15/2021		< 0.29	< 0.36	< 0.44	< 0.46	< 1.3	< 0.81	< 0.90	< 0.90
MW-5	3/27/2020		< 40	< 4.0	< 4.0	< 4.0	< 4.0	**150**	**41**	< 4.0
	4/5/2021		< 6.6	< 1.5	< 2.2	< 4.5	< 1.8	**260**	**160**	**22**
	7/7/2021		< 6.6	< 1.5	< 2.2	< 4.5	< 1.8	**200**	**160**	**45**
MW-6R	3/27/2020		< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**130**	**22**
	1/18/2021		< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	**51**	**14**
	4/5/2021		< 5.3	**0.34 J**	< 1.8	**1.2**	< 1.4	< 1.8	**150**	**19**
	7/7/2021		< 1.2	< 1.2	< 1.8	< 3.6	< 1.4	< 1.8	**170**	**30**
MW-8	3/27/2020		< 5000	< 500	< 500	< 500	< 500	< 500	**25,000**	**14,000**
	1/15/2021		< 660	< 150	**250**	< 450	< 180	< 230	**11,000**	**6,200**
	4/5/2021		< 53	< 12	**18 J**	< 36	< 14	**95**	**2100 F1**	**930 F1**
	7/7/2021		< 53	< 12	< 18	< 36	< 14	**25**	**250**	**5,900**
MW-10	3/27/2020		< 100	< 10	< 10	< 10	< 10	< 10	**330**	**420**
	1/15/2021		< 13	< 2.9	**5.3**	< 9.0	< 3.6	< 4.6	**120**	**610**
	4/5/2021		< 5.3	< 1.2	< 1.8	< 3.6	< 1.4	< 1.8	**12**	**160**
	7/7/2021		< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	**1.2**	**8.3**
MW-12	3/27/2020		< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**6.9**	**4.1**
	1/18/2021		< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	**7.8**	**3**
	4/5/2021		< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	**5.9**	**2**
	7/7/2021		< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	**9**	**4.4**
MW-13	3/27/2020		< 100	< 10	< 10	< 10	< 10	< 10	**43**	**280**
	4/5/2021		< 11	< 2.3	< 3.5	< 7.2	< 2.9	< 3.7	**49**	**170**
	7/7/2021		< 11	< 2.3	< 3.5	< 7.2	< 2.9	< 3.7	**79**	**500**
MW-14	1/18/2021		< 1.3	< 0.29	< 0.44	< 0.90	**1.1**	< 0.46	< 0.81	< 0.90
	4/5/2021		< 1.3	< 0.29	< 0.44	< 0.90	**1.2**	< 0.46	< 0.81	< 0.90
	7/7/2021		< 1.3	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	< 0.81	< 0.90
PES-MW-4	4/9/2020		< 800	< 80	< 80	< 80	< 80	< 80	**310**	**1,600**
	1/15/2021		< 66	< 15	**44 J F1**	< 45	< 18	< 23	< 41	**2200 F1**
	4/5/2021		**5.2 J**	< 0.29	< 0.44	< 0.90	< 0.36	< 0.46	**3.1**	**24**
	7/7/2021		**8.9 J**	< 1.2	< 1.8	< 3.6	< 0.36	<0.46	< 0.81	**7.1**
PES-MW-5	4/9/2020		< 500	< 50	< 50	< 50	< 50	**51**	**3,200**	**1,500**
	1/15/2021		**42**	**6.2**	**2.2**	**27**	< 1.4	**5.8**	**2,700**	**1,400**
	4/5/2021		**44 J**	< 2.9	< 4.4	**17**	< 3.6	< 4.6	**610**	**610**
	7/7/2021		**34 J**	<2.9	< 4.4	< 9.0	< 3.6	< 4.6	**12**	**16**
PES-MW-6	4/9/2020		< 100	< 10	< 10	**28 J**	< 10	**17**	**60**	**240**
	1/18/2021		**47 J**	< 1.5	**3.9 J**	**33**	< 1.8	**13**	**170**	**200**
	4/5/2021		**100**	< 1.2	< 1.8	< 3.6	< 1.4	**5.5**	**27**	**26**
	7/7/2021		**100**	< 2.9	< 4.4	**42**	< 3.6	< 4.6	**330**	**360**

Legend

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

Notes:

ug/L = micrograms per liter

VOCs = volatile organic compounds
NP= Non-promulagted. No applicable standard

J - indicates that the estimated value is greater than or equal to the MDL and less than the LOQ

F1 - MS and/or MSD recovery exceeds control limits

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 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

ID:	NYSDEC CLASS GA CRITERIA	MW-4	MW-5		MW-6R	MW-8				MW-10			MW-13
Date Collected:		1/15/2021	4/5/2021	7/7/2021	7/7/2021	3/27/2020	1/15/2021	4/5/2021	7/7/2021	1/15/2021	4/5/2021	7/7/2021	7/7/2021
Alkalinity, Total by EPA Method 8260C (mg/L)													
Alkalinity (CaCO3)	NP	314	410	430	538	360	436	547	782	493	468	538	386
Chloride and Sulfate EPA Method 300.0_28D (mg/L)													
Chloride	500	19.9	21.1	23.1	18	114	129	139	84.9	110	153	124	57.9
Sulfate	250	41.9	412	386	418	19.4	<10	11.7	3.5	17	3.1	<10.0	8.6
Iron & Manganese (Total and Dissolved) by EPA Method 6010C (mg/L)													
Iron (Total)	0.3	3.2	0.063	2.3	34.5	22.2	66.2	53.1	101	25	22.4	31	20
Manganese (Total)	0.6	0.37	0.088	0.14	5	2.5	4.1	5.7	5.6	1.3	1.1	1.5	0.81
Manganese (Dissolved)	0.6	0.41	0.082	0.09	4.3	2.5	4	5.1	4.8	1.5	0.97	1.4	0.61
Carbon Dioxide- Dissolved Gases (GC) by Method RSK_175_CO2 (ug/L)													
Carbon Dioxide	NP	39,000	120,000	120,000	160,000	120,000	140,000	140,000	210,000	120,000	120,000	130,000	100,000
Ethylene/Ethane/Methane- Dissolved Gases (GC) by Method RSK_175_ (ug/L)													
Ethylene	NP	<7.5	1.8	<1.5	<1.5	3,400	6,200	110	11,000	86	41	170	24
Ethane	NP	<7.5	< 1.5	<1.5	<1.5	320	1,000	13	1,000	110	35	<17	170
Methane	NP	25	210	260	770	490	1,500	13	2,900	8,500	13,000	5,800	6,800
Sulfide by SM4500-S2-F (mg/L)													
Sulfide	0.05	<1.0	< 0.67	<0.67	<0.67	NA	<1.0	< 0.67	1.2	<1.0	< 0.67	<0.67	<0.67
Nitrate by EPA Method 353.2 (mg/L)													
Nitrate ion	10	0.06	0.48	<0.020	0.029	0.15	0.13	< 0.020	0.13	9.9	0.025	0.039	<0.020
Total Organic Carbon (TOC) by EPA Method 5310C (mg/L)													
TOC	NP	3.3	2.6	4.2	7.3	5.1	34.1	44.3	168	0.089	6.2	16.4	6.6

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 = miligrams per Liter

ug/L = micorgrams per Liter

VOCs = volatile organic compounds

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

NP= Not Promulgated; no applicable NYSDEC Criteria
NA= Not analyzed

ATTACHMENT A
Low-Flow Sampling Logs

HRP Associates, Inc.

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SAMPLE DATE: 7/7/2021

TOTAL # WELLS: 11

Low-Flow Sampling Log

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, New York	Tubing Type:	1/4" LDPE
Sampler(s):		Monitoring Equipment:	YSI Pro Plus Quatro
Well I.D.	MW-2	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	(2) 1	Tubing Intake (ft btoc):	9
Total Depth (ft btoc):	12.71'	Comments:	Sheen on water, sulphur smell
Depth to Water (ft btoc):	5.88		
Well Condition:			

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters: Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1040	5.88	200	18.2	2.37	1009	6.77	-94.3	9.38
1043	6.48	↓	18.5	1.00	952	6.68	-97.7	1.78
1047	6.48	↓	18.5	0.43	953	6.64	-100.4	0.63
1050	6.48	↓	18.5	0.36	953	6.64	-101.2	0.02
1053	6.48	↓	18.5	0.36	951	6.63	-102.4	0.02

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1047	1050	0.00	200	0.0	Under 0.5	0	0.0	0.8	Under 5
1050	1053	0.00	200	0.0	Under 0.5	2	0.01	1.2	Under 5
1047	1053	0.00	200	0.0	Under 0.5	2	0.01	2.0	Under 5
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1053 Reviewed By: RL

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 Associates, Inc.

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SAMPLE DATE: 7/7/2021

TOTAL # WELLS: 11

Low-Flow Sampling Log

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, New York	Tubing Type:	1/4" LDPE
Sampler(s):		Monitoring Equipment:	YSI Pro Plus Quatro
Well I.D.	MW-5	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	1	Tubing Intake (ft btoc):	9
Total Depth (ft btoc):	12.20	Comments:	Grab sample collected.
Depth to Water (ft btoc):	6.18		well ran dry
Well Condition:			

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters: Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1425	6.18		16.8	2.01	1161	6.93	76.1	273
1430	11.50		17.6	2.54	1191	6.51	58.3	101
1435	12.20 (dry)		—	—	—	—	—	—
	s							

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

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

Sample Time: 1525 Reviewed By: RL

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 Associates, Inc.

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SAMPLE DATE: 7/7/2021

TOTAL # WELLS: 11

Low-Flow Sampling Log

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, New York	Tubing Type:	1/4" LDPE
Sampler(s):		Monitoring Equipment:	YSI Pro Plus Quatro
Well I.D.	MW-6R	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	2	Tubing Intake (ft btoc):	10
Total Depth (ft btoc):	14.65	Comments:	
Depth to Water (ft btoc):	6.12		
Well Condition:			

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters: Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1315	6.12	200	18.8	0.40	808	6.88	3.9	79.3
1318	6.13		17.3	0.39	890	6.63	-27.0	24.3
1321	6.13		17.0	0.33	1134	6.66	-94.4	8.32
1324	6.13		17.0	0.24	1234	6.67	-111.5	4.16
1327	6.13		16.9	0.19	1294	6.66	-117.4	3.42
1330	6.13		16.4	0.17	1310	6.67	-120.5	2.92
1333	6.13		16.4	0.15	1337	6.67	-124.5	3.20
1336	6.13		16.9	0.14	1360	6.69	-128.0	3.48
1339	6.13	↓	16.9	0.13	1365	6.70	-131.1	4.23

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1333	1336	0.00	200	0.0	<0.5	23	0.02	3.5	<5
1336	1339	0.00	200	0.0	<0.5	5	0.01	3.1	<5
1333	1339	0.00	200	0.0	<0.5	28	0.03	6.6	<5
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1339 Reviewed By: RL

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 Associates, Inc.

Low-Flow Sampling Log

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SAMPLE DATE: 7/7/2021

TOTAL # WELLS: 11

Client Name:	NYDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry St. Schenectady, NY	Tubing Type:	¼" LDPE
Sampler(s):		Monitoring Equipment:	
Well I.D.	MW-8	Screen Setting (ft btoc):	~~2.5~~ 5 to 12.5 15 (sic)
Well Diameter (inches):	1	Tubing Intake (ft btoc):	8
Total Depth (ft btoc):	12.50	Comments:	Grab sample collected
Depth to Water (ft btoc):	5.70		well ran dry
Well Condition:			

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters: Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1502	5.70	150	19.6	0.40	1036	6.47	-52.9	73.4
1505	10.89	150	12.7	0.35	1565	6.49	-85.9	28.7
1507	DRY		—	—	—	—	—	—

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

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

Sample Time: 1600

Reviewed By: RL

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 Associates, Inc.

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SAMPLE DATE: 7/7/2021

TOTAL # WELLS: 11

Low-Flow Sampling Log

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, New York	Tubing Type:	1/4" LDPE
Sampler(s):		Monitoring Equipment:	YSI Pro Plus Quatro
Well I.D.	MW-10	Screen Setting (ft btoc):	10 to 20
Well Diameter (inches):	2	Tubing Intake (ft btoc):	15
Total Depth (ft btoc):	18.39	Comments:	Sulfur smell
Depth to Water (ft btoc):	7.10		
Well Condition:			

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters: Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
0935	7.10	200	13.7	3.60	1030	6.71	-119.5	36.4
0938	7.37	200	13.4	0.91	1018	6.67	-122.5	16.8
0941	7.37	200	13.3	0.80	1016	6.67	-125.6	12.9
0944	7.37	↓	13.2	0.50	1015	6.67	-127.0	12.6
0947	7.37	↓	13.2	0.48	1013	6.67	-130.3	12.1
0950	7.37	↓	13.2	0.37	1015	6.67	-133.1	12.4

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
0944	0947	0.00	200	0.0	0.02	2	0	3.3	0.5
0947	0950	0.00	200	0.0	0.01	2	0	2.8	0.3
0944	0950	0.00	200	0.0	0.13	0	0	6.1	0.2
					(Under 0.5)				
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 0950 Reviewed By: RC

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 Associates, Inc.

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SAMPLE DATE: 7/7/2021

TOTAL # WELLS: 11

Low-Flow Sampling Log

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, New York	Tubing Type:	1/4" LDPE
Sampler(s):		Monitoring Equipment:	YSI Pro Plus Quatro
Well I.D.	MW12	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	2	Tubing Intake (ft btoc):	10
Total Depth (ft btoc):	14.10	Comments:	
Depth to Water (ft btoc):	6.14		
Well Condition:			

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1220	6.14	250	18.9	0.44	480.2	7.16	-86.6	93.2
1223	6.34		18.1	0.32	826	7.06	-140.8	39.4
1226	6.34		17.5	0.25	925	7.03	-160.6	13.3
1229	6.34		17.5	0.30	963	7.00	-165.4	6.66
1232	6.34		17.4	0.25	997	6.99	-167.0	3.66
1235	6.34		17.4	0.19	1016	6.99	-168.1	2.78
1238	6.34		17.5	0.15	1096	7.00	-170.4	2.54
1241	6.34		17.5	0.14	1117	7.00	-171.1	1.87
1244	6.34		17.5	0.12	1146	6.99	-171.2	1.28
1247	6.34		17.5	0.13	1189	7.01	-172.3	1.81
1250	6.34		17.5	0.12	1233	7.00	-172.0	1.03
1253	6.34	↓	17.5	0.10	1247	7.00	-171.6	1.54

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1250	1253	0.00	250	0.0	<5 ~~0.00~~	7	0.0	0.4	<5
1253	1256	0.00	250	0.0	<5	18	0.0	0.2	<5
1250	1256	0.00	250	0.0	<5	25	0.0	0.6	<5
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1256 Reviewed By: RL

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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SAMPLE DATE: 7/7/2021

TOTAL # WELLS: 11

Low-Flow Sampling Log

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, New York	Tubing Type:	1/4" LDPE
Sampler(s):		Monitoring Equipment:	YSI Pro Plus Quatro
Well I.D.	MW-12	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	2	Tubing Intake (ft btoc):	10
Total Depth (ft btoc):	14.10	Comments:	
Depth to Water (ft btoc):	6.14		
Well Condition:			

Time	Depth to Water	Evacuation Rate	Water Quality Monitoring Parameters					
			Temperature	DO	Conductivity	pH	ORP	Turbidity
(minutes)	(ft btoc)	(mL/min)	(°C)	mg/L	µs/cm		(mV)	NTU
1256	6.34	250	17.5	0.10	1265	7.00	-171.4	1.34

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water	Evacuation Rate	Temperature	DO	Conductivity	pH	ORP	Turbidity
FROM	TO	(ft btoc)	(mL/min)	(°C)	mg/L	µs/cm		(mV)	NTU
* See	Page	#1 *							
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)									

Sample Time: 1256 Reviewed By: RL

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 Associates Inc.

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SAMPLE DATE: 7/7/21

Low Flow Sampling Log

TOTAL # WELLS: 11

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):	John Gorman and Reed Lewandowski	Monitoring Equipment:	YSI
Well I.D.	MW-13	Screen Setting (ft btoc):	5 to 15
Well Diameter (inches):	2	Tubing Intake (ft btoc):	10'
Total Depth (ft btoc):	4.79	Comments:	Slight odor, no sheen, clear
Depth to Water (ft btoc):	13 (Static) 13.60		
Well Condition:	Fine		

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)
1256	4.88	250	19.3	6.84	-94.8	1147	52.8	5.12
1254	4.88	250	19.4	6.84	-101.1	1087	37.9	4.77
1257	4.88	250	19.2	6.83	-104.5	1083	38.5	3.24
1300	4.88	250	19.4	6.85	-106.6	1003	22.7	2.65
1306	4.88	250	19.4	6.86	-105.3	951	17.4	3.14
1309	4.88	250	19.3	6.86	-107.1	928	13.5	3.10
1312	4.88	250	19.3	6.87	-108.0	903	12.7	2.84
1315	4.87	250	19.3	6.85	-107.5	930	7.93	2.29
1319	4.87	250	19.3	6.87	-107.1	884	6.44	2.18
1322	4.87	250	19.4	6.88	-106.9	868	8.43	1.95

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
1315	1319	0.00	250	0.0	0.02	0.4	46	1.49	~~0.19~~
1319	1322	0.00	250	0.1	0.01	1.1	46	1.99	~~0.15~~
1315	1322	0.00	250	0.1	0.03	1.5	62	0.50	~~0.39~~
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	N	N	N

Sample Time: 1322 Reviewed by: RL

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
ms/cm	microseimons per centimeter				

HRP Associates Inc.

PAGE 1 OF 1

SAMPLE DATE: 7/7/21

TOTAL # WELLS: 11

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):	John Gorman and Reed Lewandowski	Monitoring Equipment:	YSI
Well I.D.	~~MW-16~~ MW-14	Screen Setting (ft btoc):	2 to 12
Well Diameter (inches):	4"	Tubing Intake (ft btoc):	8'
Total Depth (ft btoc):	11.82	Comments:	Discontinuous sheen, mostly clear water, no odor
Depth to Water (ft btoc):	4.83		
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)
1149	5.30	300	19.6	6.70	-97.3	1009	49.1	1.09
1152	5.30	300	19.6	6.68	-146.9	986	14.9	0.28
~~1200~~ 1155	5.30	300	19.7	6.66	-82.8	961	15.8	0.18
1158	5.30	300	19.7	6.65	-76.3	946	10.5	0.12
1203	5.31	300	19.7	6.65	-86.5	939	7.55	0.10
1206	5.32	300	19.7	6.66	-65.0	941	3.03	0.10
1209	5.32	300	19.7	6.67	-64.2	936	1.32	0.10
1212	5.32	300	19.6	6.67	-63.7	940	2.74	0.09
			Sample @ 1212					

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
1206	1209	0.00	300	0.0	0.01	0.8	5	<5	<0.5
1209	1212	0.00	300	0.1	0.00	0.5	4	<5	<0.5
1206	1212	0.00	300	0.1	0.01	1.3	1	<5	<0.5
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: 1212 Reviewed by: RL

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
ms/cm	microseimons per centimeter				

HRP Associates, Inc.

PAGE: 1 OF 1

SAMPLE DATE: 7/7/2021

TOTAL # WELLS: 11

Low-Flow Sampling Log

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, New York	Tubing Type:	1/4" LDPE
Sampler(s):		Monitoring Equipment:	YSI Pro Plus Quatro
Well I.D.	(12) ~~MW-PES~~ PES-MW-4	Screen Setting (ft btoc):	~~4.5~~ 5 to ~~9.5~~ 10 (6)
Well Diameter (inches):	2	Tubing Intake (ft btoc):	7
Total Depth (ft btoc):	8.35	Comments:	Slight sheen
Depth to Water (ft btoc):	5.52		
Well Condition:			

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters: Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1110	5.52	200	21.0	0.20	1220	7.00	-170.4	181.4
1113	6.30		20.7	0.13	1208	6.99	-174.8	81.2
1116	6.34		20.4	0.36	1241	6.97	-178.2	32.1
1119	6.34		20.4	0.22	1239	6.92	-176.8	33.1
1122	6.34		20.5	0.17	1240	6.90	-175.6	20.1
1125	6.34		20.4	0.15	1238	6.88	-174.6	20.0
1128	6.34	↓	20.4	0.14	1241	6.89	-174.3	21.3

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1122	1125	0.00	200	0.1	Under 0.5	2	0.02	1.0	0.1
1125	1128	0.00	200	0.0	Under 0.5	3	0.01	0.3	1.3
1122	1128	0.00	200	0.1	Under 0.5	1	0.01	1.3	1.2
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1128

Reviewed By: M

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 Associates, Inc.

PAGE: 1 OF 1

SAMPLE DATE: 7/7/2021

TOTAL # WELLS: 11

Low-Flow Sampling Log

Client Name:	NYSDEC	Sample Pump:	Peristaltic
Project Location:	222 South Ferry Street, Schenectady, New York	Tubing Type:	1/4" LDPE
Sampler(s):		Monitoring Equipment:	YSI Pro Plus Quatro
Well I.D.	PES-MW-5	Screen Setting (ft btoc):	8 to 13
Well Diameter (inches):	1	Tubing Intake (ft btoc):	9
Total Depth (ft btoc):	12.65	Comments:	Light Sheen
Depth to Water (ft btoc):	5.90		
Well Condition:			

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters: Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1145	5.90	200	17.4	0.34	1918	6.85	-146.9	31.5
1148	6.00	↓	17.6	0.39	1976	6.72	-154.9	7.02
1151	6.01		17.5	0.26	2044	6.73	-161.5	5.67
1154	6.01		17.5	0.23	2068	6.75	-166.0	3.23
1157	6.01		17.4	0.21	2076	6.76	-168.5	2.38
1200	6.01		17.5	0.20	2083	6.77	-169.8	2.68

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1154	1157	0.00	200	0.1	Under 0.5	8	0.1	2.5	< 5
1157	1200	0.00	200	0.1	Under 0.5	7	0.1	1.3	< 5
1154	1200	0.00	200	0.0	Under 0.5	15	0.2	3.8	< 5
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1200 Reviewed By: RL

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 Associates Inc.

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SAMPLE DATE: 7/7/21

TOTAL # WELLS: 11

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):	John Gorman and Reed Lewandowski	Monitoring Equipment:	YSI
Well I.D.	pes - MW-6	Screen Setting (ft btoc):	4 to 14
Well Diameter (inches):	1	Tubing Intake (ft btoc):	10
Total Depth (ft btoc):	14.26	Comments:	Dark black, sheen, odor
Depth to Water (ft btoc):	6.05		Slow pump
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)
1449	9.50	200	19.6	6.94	-144.0	1810		0.96
1452	8.30	200	19.6	6.93	-133.5	1835		2.64
Turbidity meter down								
1501	9.47	200	19.7	6.93	-126.9	1856		2.22
1504	10.35	200	19.1	6.91	-116.0	1860		2.14
1507	10.71	200	19.4	6.89	-119.6	1940		0.90
1510	11.05	200	18.1	6.77	-114.0	1968		0.22
1513	11.70	150	18.0	6.87	-125.1	1918		0.77
1516	11.77	100	18.5	6.89	-115.6	1896		1.52
1519	11.80	100	18.5	6.88	-104.2	1907		1.89
1522	11.87	100	18.6	6.87	-102.6	1915		1.68
1525	12.03	100	18.5	6.87	-102.8	1923		1.60

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Temperature (oC)	pH	ORP (mv)	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)
1519	1522	0.07	100	0.1	0.01	1.6	8	—	0.21
1522	1525	0.16	100	0.1	0.00	0.2	8	—	0.08
1519	1525	0.23	100	0.0	0.01	1.4	16	—	0.29
Recommended Stabilization		+/- 0.3	100-500	+/- 3%	+/- 0.1	+/- 10	+/- 3%	+/- 10%	+/- 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	—	N

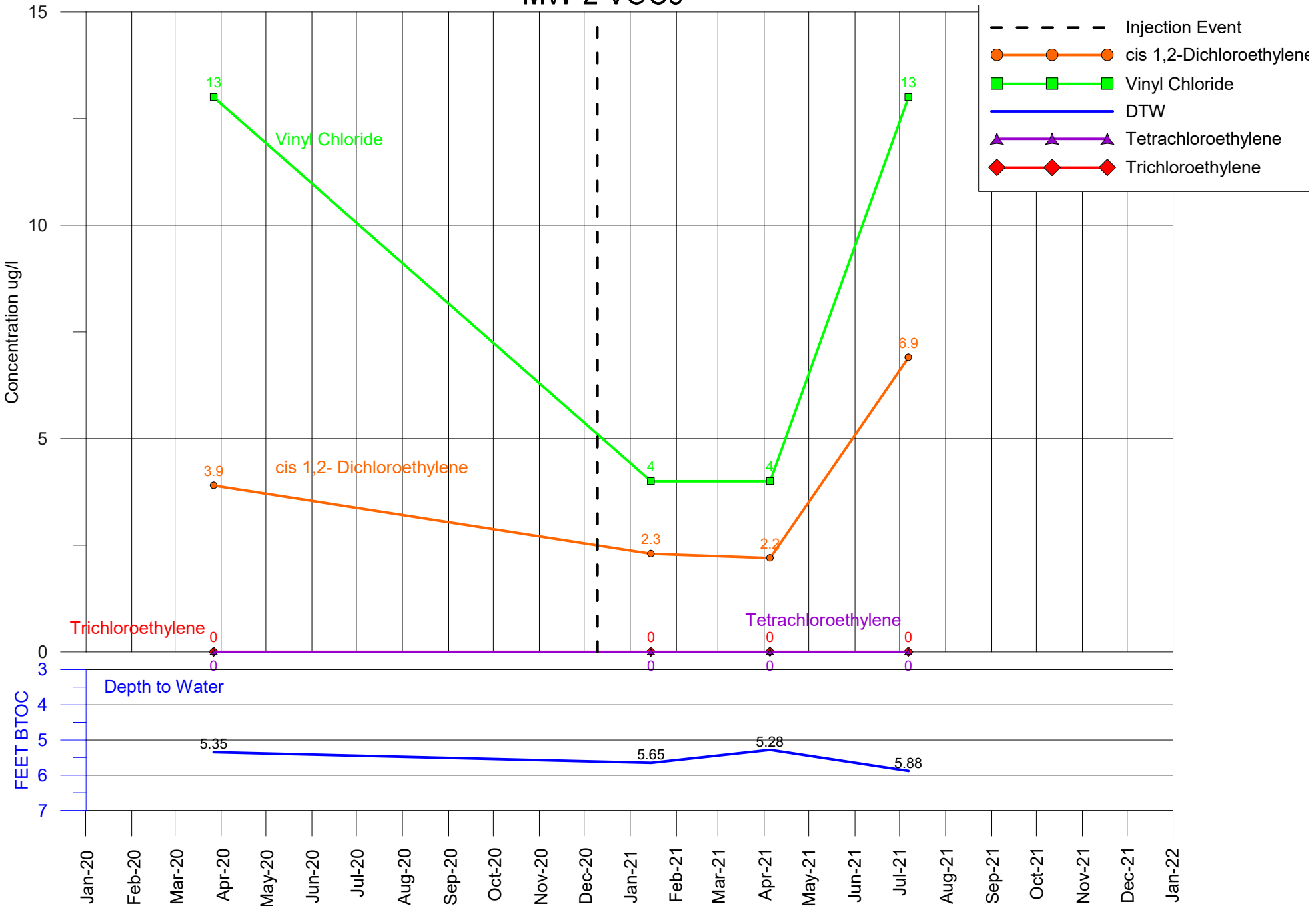
Sample Time: 1525 Reviewed by: RL

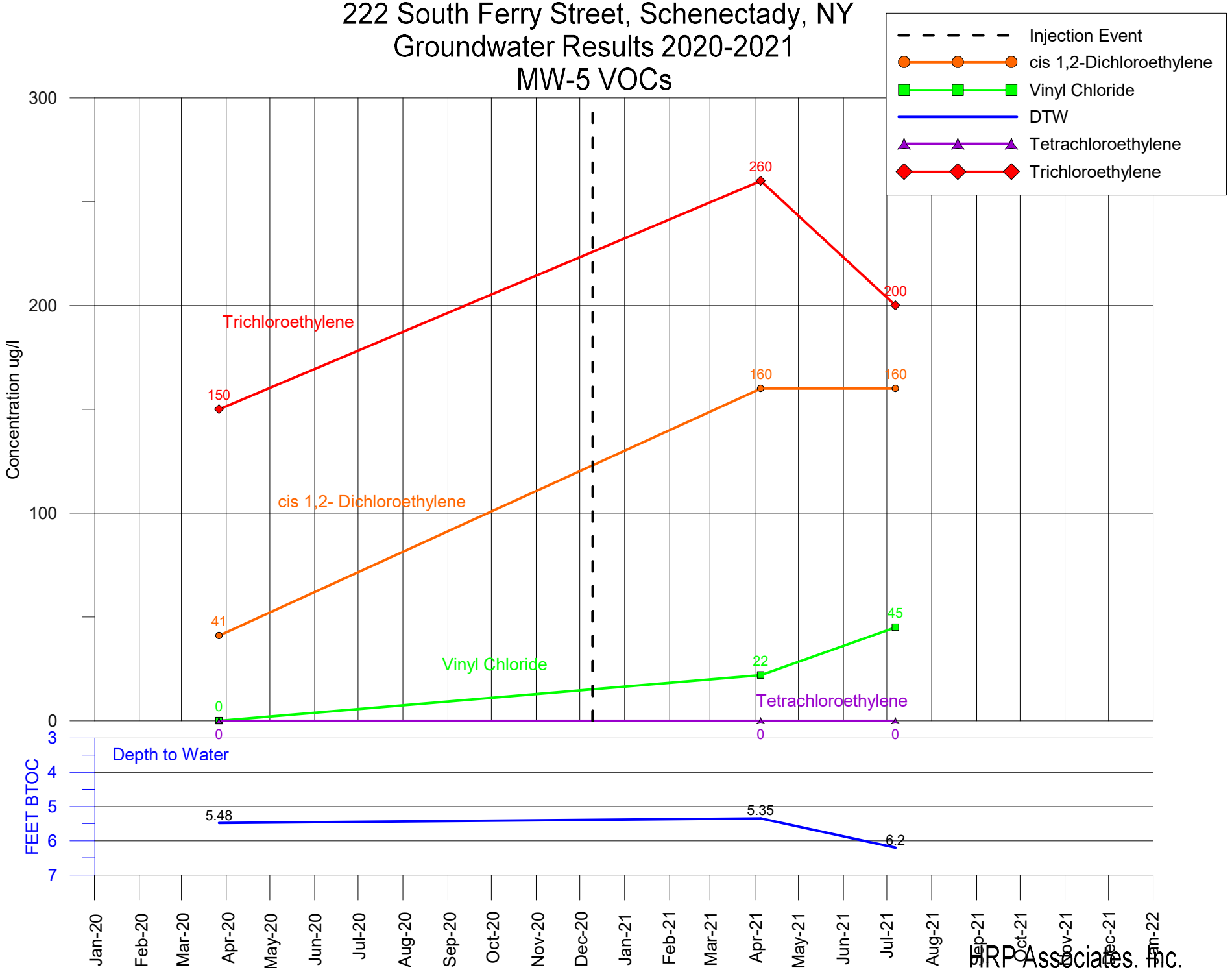
ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
ms/cm	microseimons per centimeter				

ATTACHMENT B
VOC and Groundwater Elevation Graphs

HRP Associates, Inc.

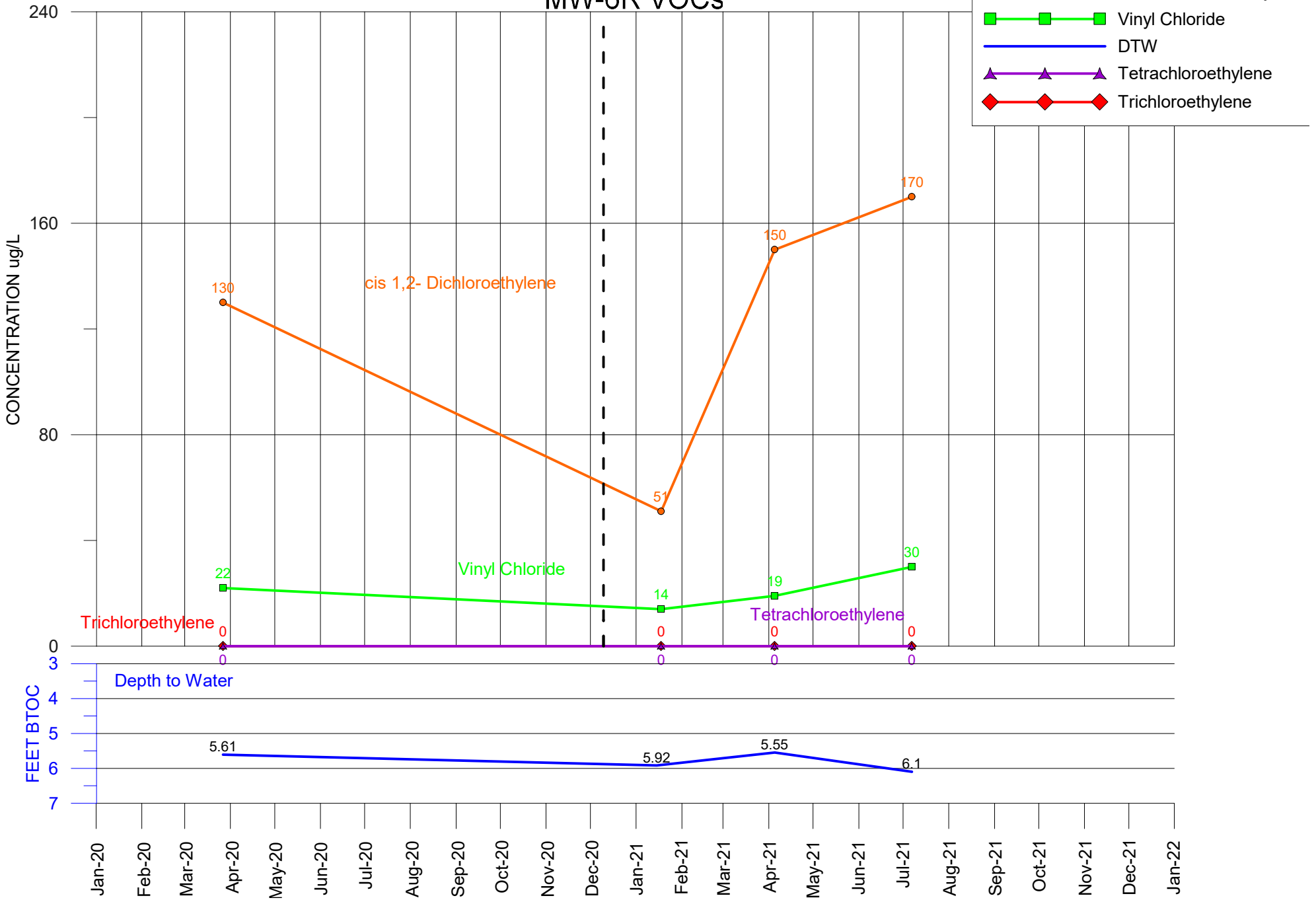
222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2021
MW-2 VOCs





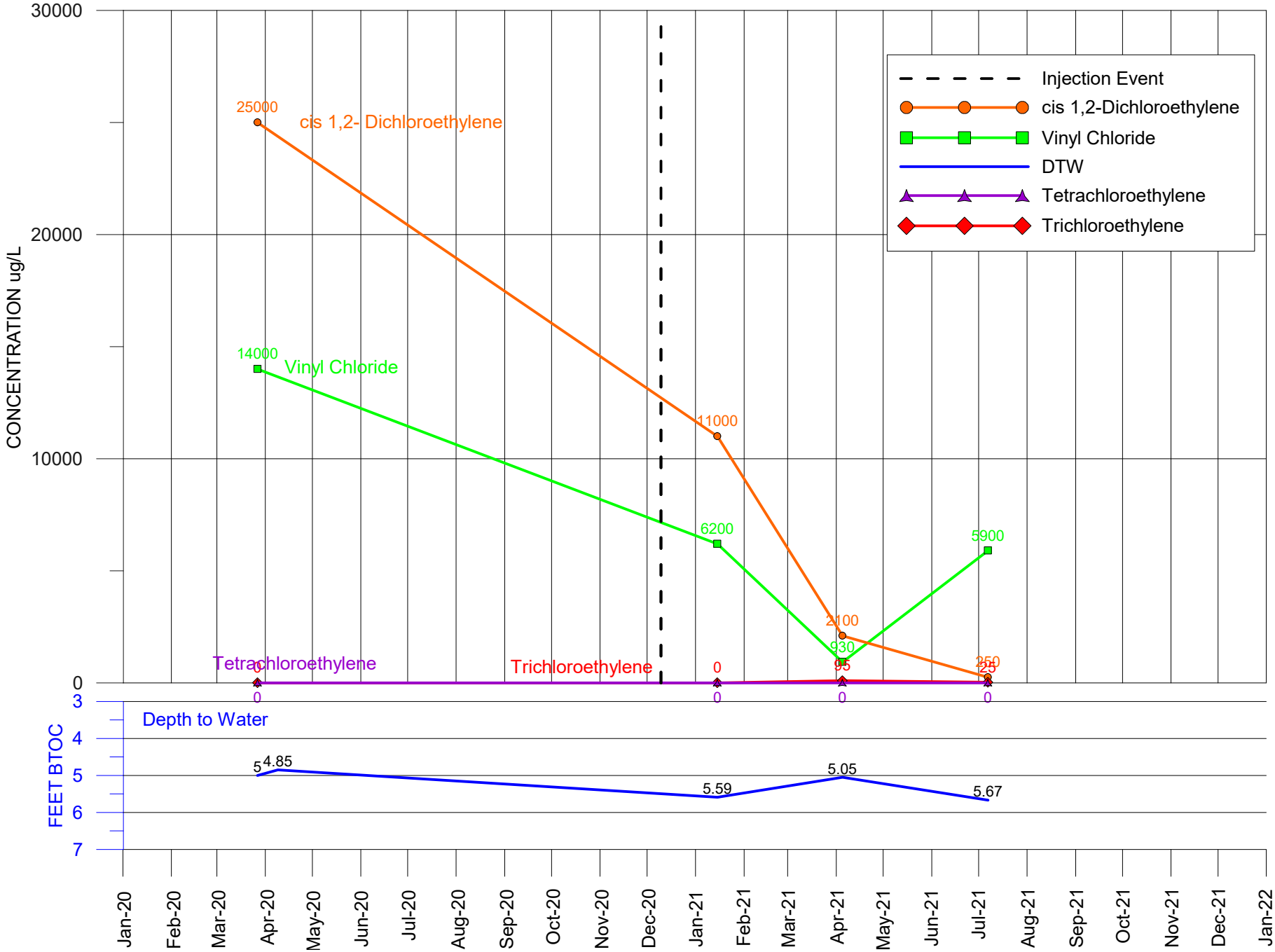
HRP Associates, Inc.

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



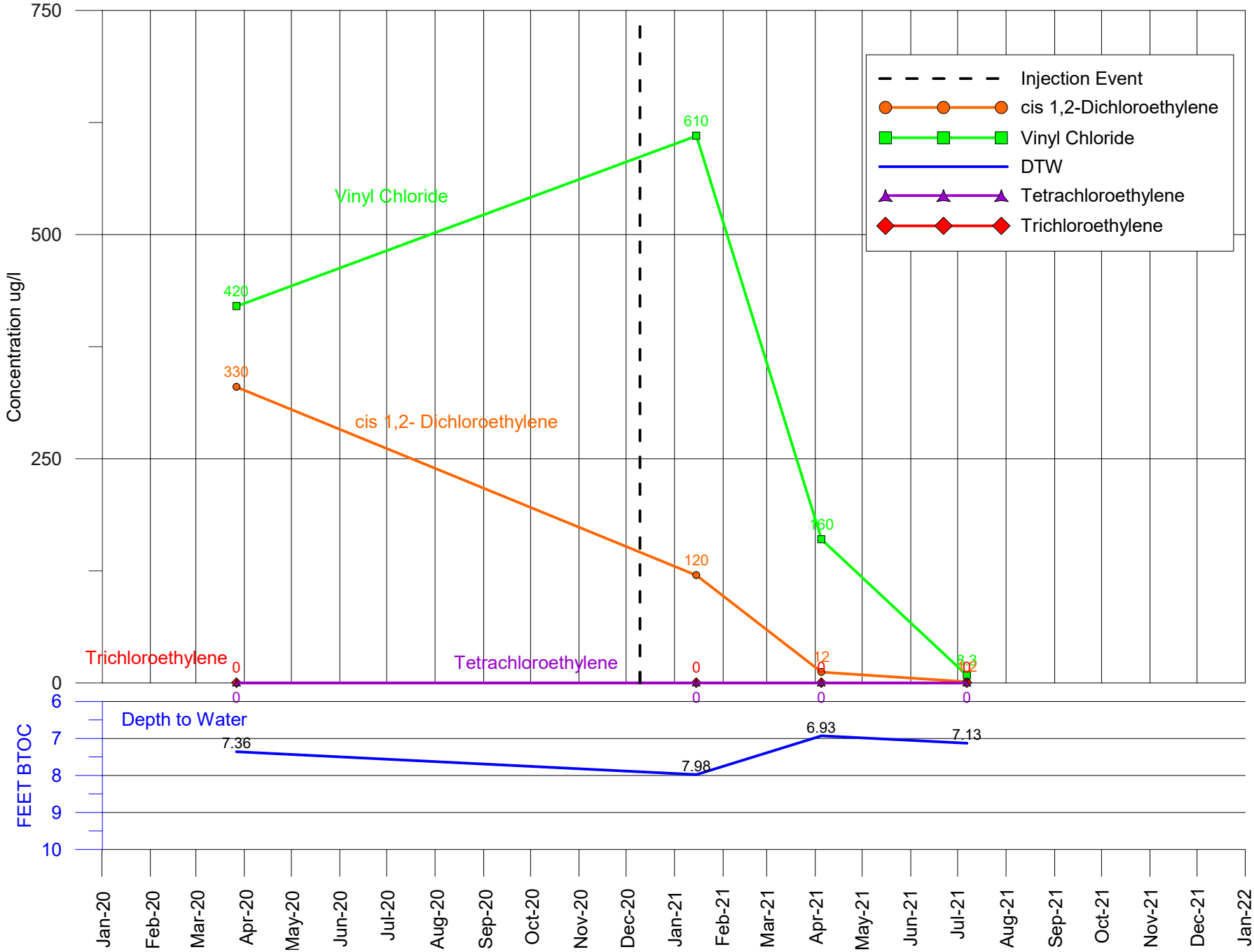
HRP Associates, Inc.

222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2021
MW-8 VOCs



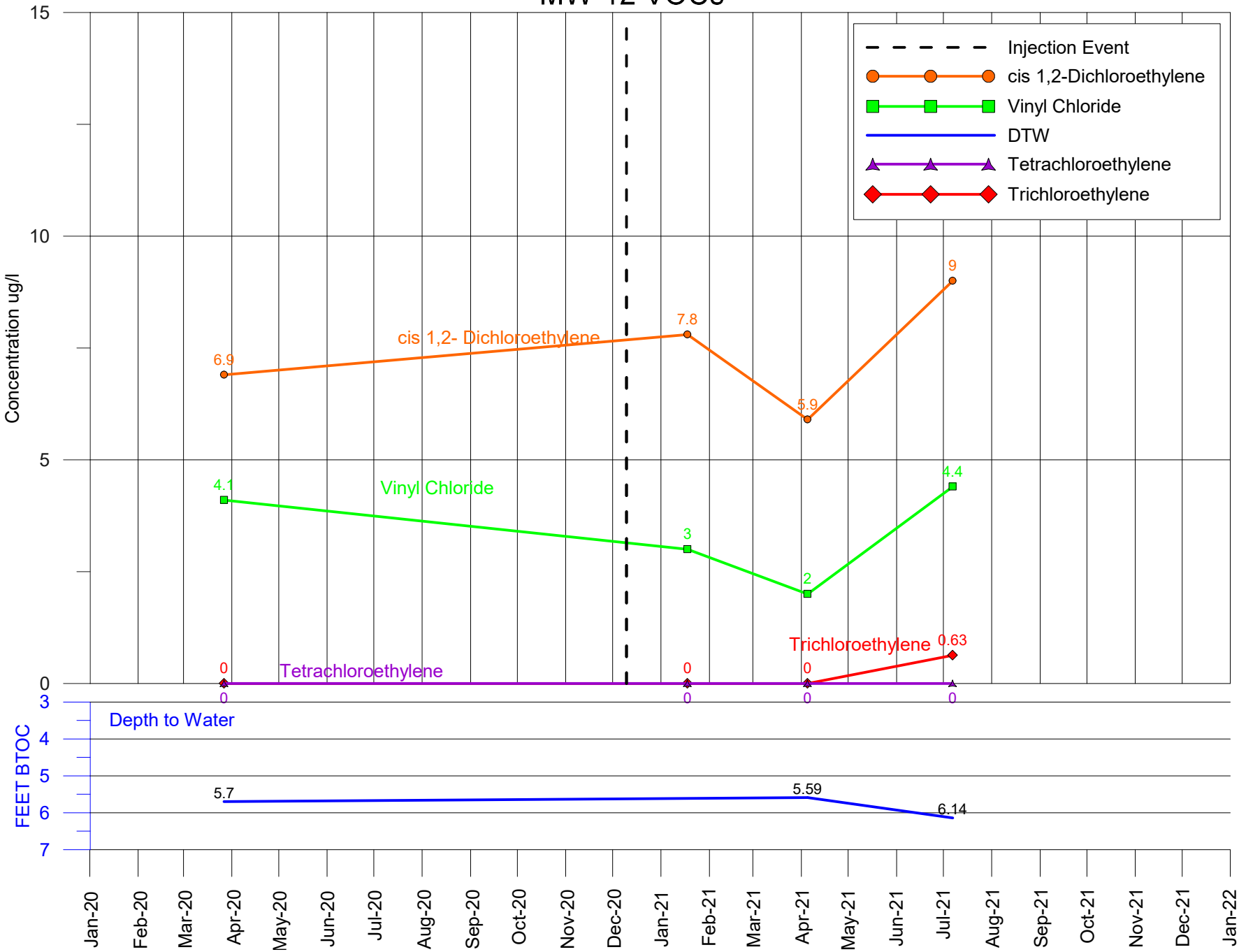
HRP Associates, Inc.

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



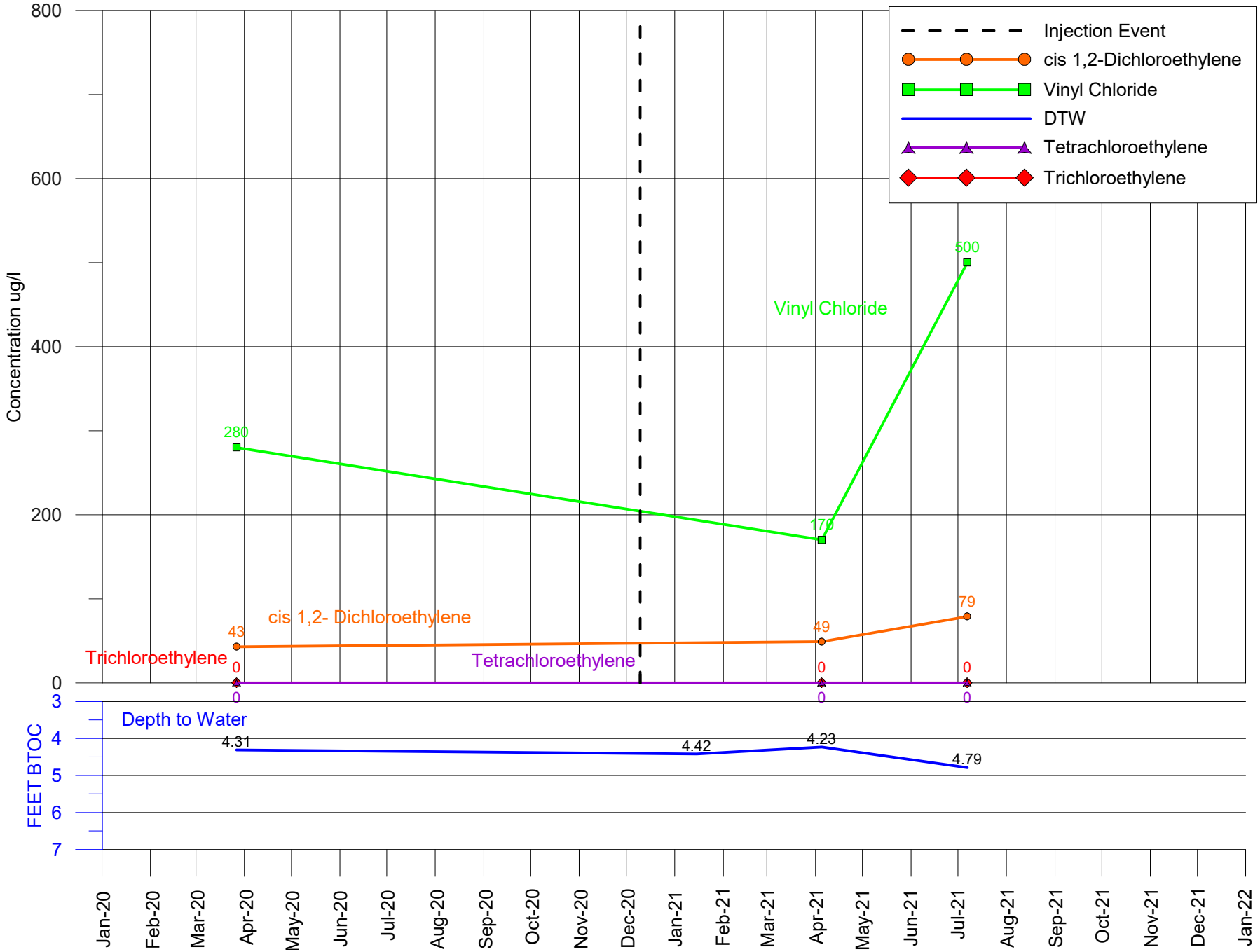
HRP Associates, Inc.

222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2021
MW-12 VOCs



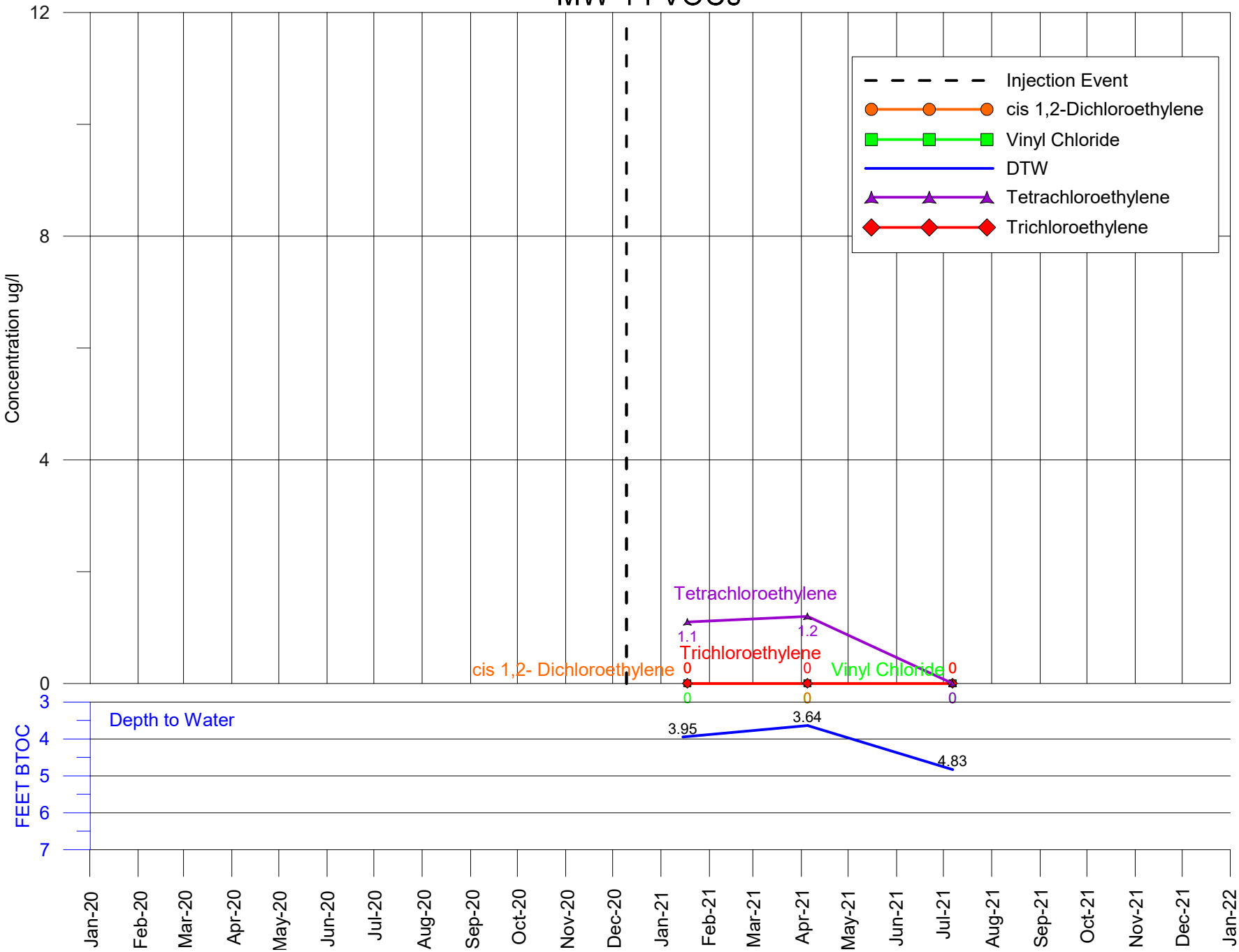
HRP Associates, Inc.

222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2021
MW-13 VOCs



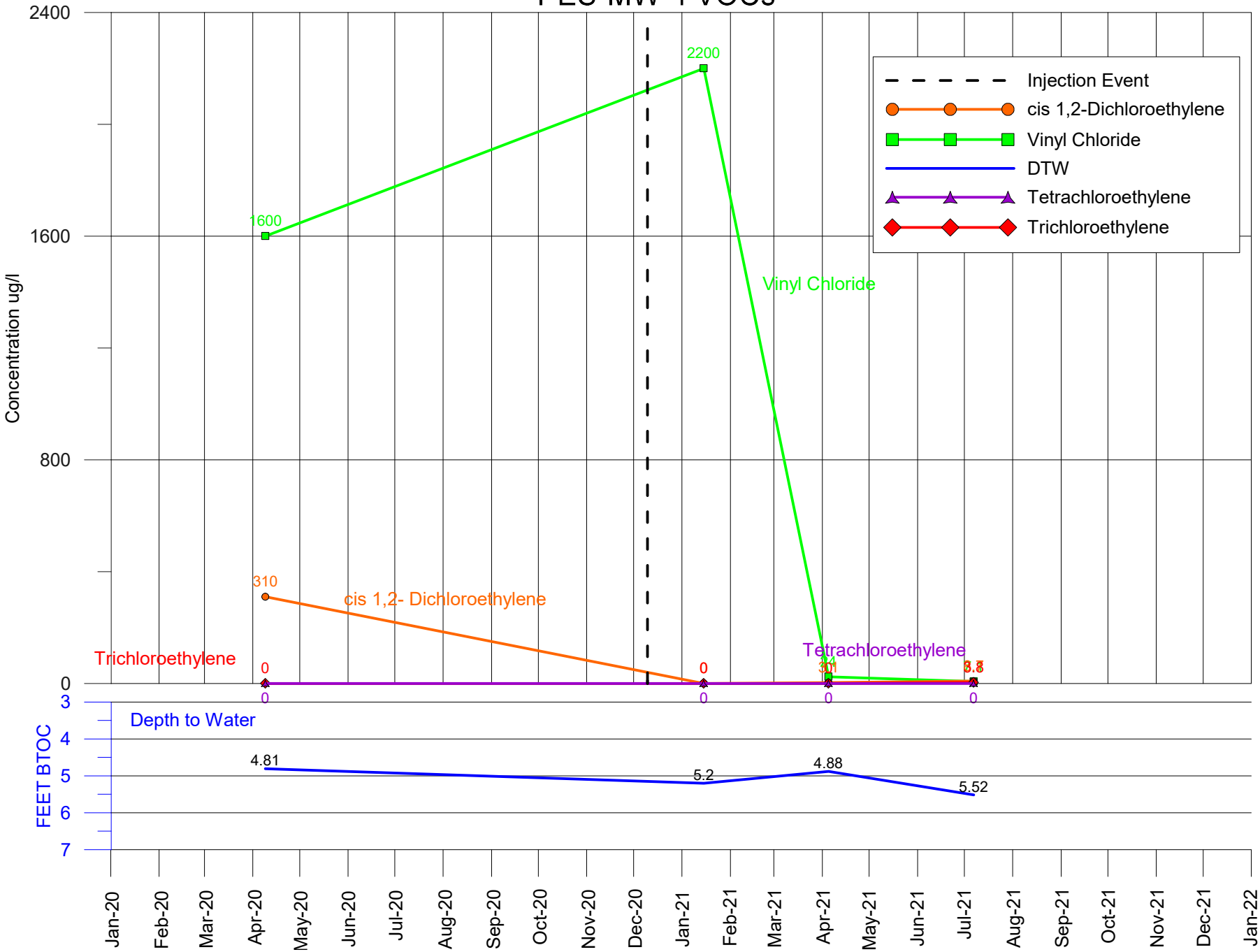
HRP Associates, Inc.

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



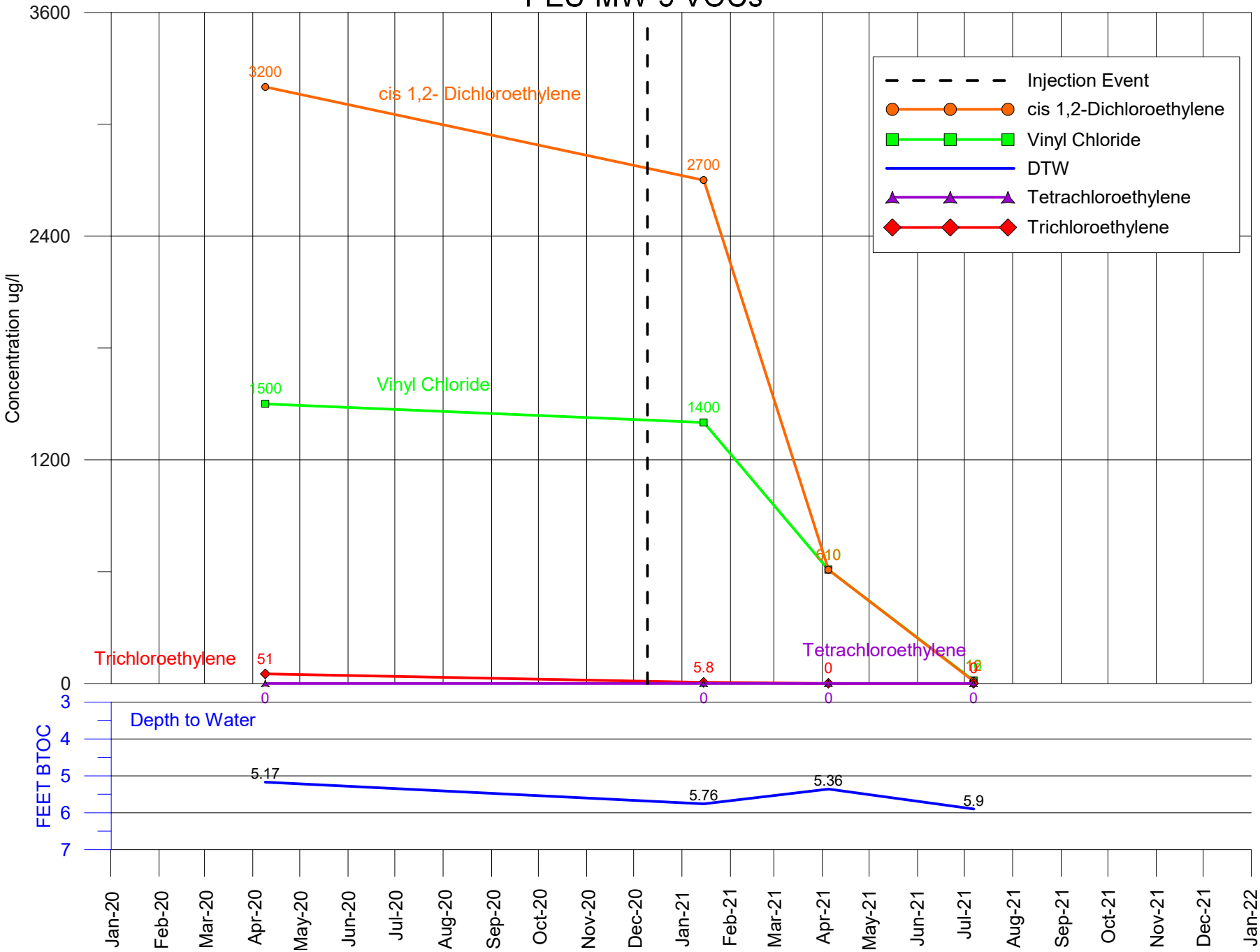
HRP Associates, Inc.

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



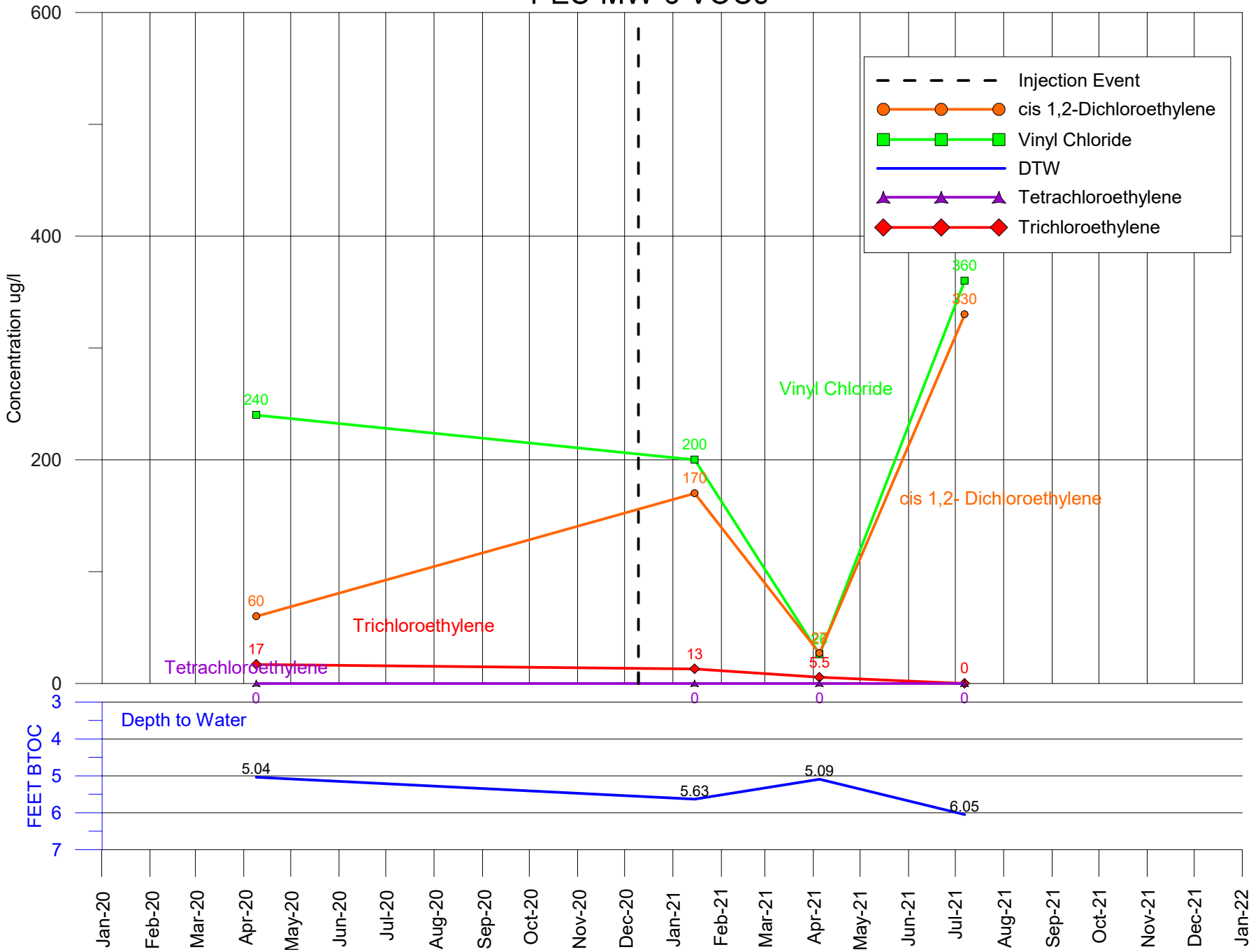
HRP Associates, Inc.

222 South Ferry Street, Schenectady, NY
Groundwater Results 2020-2021
PES-MW-5 VOCs



HRP Associates, Inc.

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



ATTACHMENT C
Laboratory Analytical Report

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-186986-1
Client Project/Site: 222 South Ferry Street #447047

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

Attn: Ms. Ruth Curley

Authorized for release by:
7/21/2021 5:32:19 PM

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

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
7/21/2021 5:32:19 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
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.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
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

Job ID: 480-186986-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186986-1

Receipt
The samples were received on 7/9/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

Receipt Exceptions
MS/MSD was requested on the COC but only volume for 8260 was recieved. The MS/MSD methods were assigned via volume recieved. 7.7.2021 MW-8 (480-186986-11[MS]), 7.7.2021 MW-8 (480-186986-11[MSD])

The duplicate sample did not have a time on the chain of custody form (COC). In order to determine hold time for nitrate analysis, the sampler provided a time of 1545. DUP 1 (480-186986-12)

GC/MS VOA
Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-588680 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCVIS were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: 7.7.2021 MW-2 (480-186986-2), 7.7.2021 PES-MW-4 (480-186986-3), 7.7.2021 PES-MW-5 (480-186986-4), 7.7.2021 MW-12 (480-186986-5), 7.7.2021 MW-14 (480-186986-6), 7.7.2021 MW-13 (480-186986-7), 7.7.2021 MW-6R (480-186986-8), 7.7.2021 MW-5 (480-186986-9), 7.7.2021 PES-MW-6 (480-186986-10), 7.7.2021 MW-8 (480-186986-11) and DUP 1 (480-186986-12).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 7.7.2021 MW-13 (480-186986-7), 7.7.2021 MW-6R (480-186986-8), 7.7.2021 MW-5 (480-186986-9), 7.7.2021 PES-MW-6 (480-186986-10), 7.7.2021 MW-8 (480-186986-11), 7.7.2021 MW-8 (480-186986-11[MS]), 7.7.2021 MW-8 (480-186986-11[MSD]) and DUP 1 (480-186986-12). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: 7.7.2021 PES-MW-4 (480-186986-3) and 7.7.2021 PES-MW-5 (480-186986-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-588821 was outside the method criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The associated samples are impacted: 7.7.2021 MW-10 (480-186986-1), 7.7.2021 MW-8 (480-186986-11) and DUP 1 (480-186986-12).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-588821 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated samples are impacted: 7.7.2021 MW-10 (480-186986-1), 7.7.2021 MW-8 (480-186986-11) and DUP 1 (480-186986-12).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-588821 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.

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: 7.7.2021 MW-10 (480-186986-1), 7.7.2021 MW-6R (480-186986-8) and 7.7.2021 MW-5 (480-186986-9). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted due to the nature of the sample matrix: 7.7.2021 MW-13 (480-186986-7), 7.7.2021 MW-8 (480-186986-11) and DUP 1 (480-186986-12). Elevated reporting limits (RLs) are provided.

Job ID: 480-186986-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

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: 7.7.2021 MW-10 (480-186986-1), 7.7.2021 MW-13 (480-186986-7), 7.7.2021 MW-6R (480-186986-8), 7.7.2021 MW-8 (480-186986-11) and DUP 1 (480-186986-12). 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
Method 353.2: The following samples were received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: 7.7.2021 MW-10 (480-186986-1), 7.7.2021 MW-13 (480-186986-7) and 7.7.2021 MW-6R (480-186986-8).

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

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-10
Lab Sample ID: 480-186986-1
Date Collected: 07/07/21 09:50
Matrix: Water
Date Received: 07/09/21 08:00

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			07/13/21 11:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/13/21 11:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/13/21 11:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/13/21 11:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/13/21 11:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/13/21 11:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/13/21 11:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/13/21 11:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/13/21 11:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/13/21 11:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/13/21 11:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/13/21 11:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/13/21 11:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/13/21 11:43	1
2-Hexanone	ND		5.0	1.2	ug/L			07/13/21 11:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/13/21 11:43	1
Acetone	ND		10	3.0	ug/L			07/13/21 11:43	1
Benzene	ND		1.0	0.41	ug/L			07/13/21 11:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/13/21 11:43	1
Bromoform	ND		1.0	0.26	ug/L			07/13/21 11:43	1
Bromomethane	ND		1.0	0.69	ug/L			07/13/21 11:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/13/21 11:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/13/21 11:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/13/21 11:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/13/21 11:43	1
Chloroethane	ND		1.0	0.32	ug/L			07/13/21 11:43	1
Chloroform	ND		1.0	0.34	ug/L			07/13/21 11:43	1
Chloromethane	ND		1.0	0.35	ug/L			07/13/21 11:43	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.81	ug/L			07/13/21 11:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/13/21 11:43	1
Cyclohexane	ND		1.0	0.18	ug/L			07/13/21 11:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/13/21 11:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/13/21 11:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/13/21 11:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/13/21 11:43	1
Methyl acetate	ND		2.5	1.3	ug/L			07/13/21 11:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/13/21 11:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/13/21 11:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/13/21 11:43	1
Styrene	ND		1.0	0.73	ug/L			07/13/21 11:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/13/21 11:43	1
Toluene	ND		1.0	0.51	ug/L			07/13/21 11:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/13/21 11:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/13/21 11:43	1
Trichloroethene	ND		1.0	0.46	ug/L			07/13/21 11:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/13/21 11:43	1
Vinyl chloride	**8.3**		1.0	0.90	ug/L			07/13/21 11:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/13/21 11:43	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-10
Lab Sample ID: 480-186986-1
Date Collected: 07/07/21 09:50
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/13/21 11:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*07/13/21 11:43*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*07/13/21 11:43*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*07/13/21 11:43*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**130000**		5000	3800	ug/L			07/13/21 20:47	1
Ethane	ND		83	17	ug/L			07/13/21 13:40	11
Ethene	**170**		77	17	ug/L			07/13/21 13:40	11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**5800**		350	88	ug/L			07/13/21 15:52	88

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**31.0**		0.050	0.019	mg/L		07/12/21 09:55	07/12/21 21:54	1
Manganese	**1.5**		0.0030	0.00040	mg/L		07/12/21 09:55	07/12/21 21:54	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.088**		0.050	0.019	mg/L		07/14/21 10:19	07/14/21 23:31	1
Manganese	**1.4**		0.0030	0.00040	mg/L		07/14/21 10:19	07/14/21 23:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**124**		2.5	1.4	mg/L			07/14/21 00:16	5
Sulfate	ND		10.0	1.7	mg/L			07/14/21 00:16	5
Alkalinity, Total	**538**	**B**	100	40.0	mg/L			07/15/21 03:33	10
Nitrate as N	**0.039**	**J H**	0.050	0.020	mg/L			07/09/21 13:42	1
Sulfide	ND		1.0	0.67	mg/L			07/14/21 14:50	1
Total Organic Carbon	**16.4**		1.0	0.43	mg/L			07/14/21 08:31	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-2
Lab Sample ID: 480-186986-2
Date Collected: 07/07/21 10:53
Matrix: Water
Date Received: 07/09/21 08:00

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			07/12/21 15:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/12/21 15:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/12/21 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/12/21 15:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/12/21 15:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/12/21 15:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/12/21 15:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/12/21 15:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/12/21 15:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/12/21 15:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/12/21 15:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/12/21 15:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/12/21 15:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/12/21 15:50	1
2-Hexanone	ND		5.0	1.2	ug/L			07/12/21 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/12/21 15:50	1
Acetone	ND		10	3.0	ug/L			07/12/21 15:50	1
Benzene	ND		1.0	0.41	ug/L			07/12/21 15:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/12/21 15:50	1
Bromoform	ND		1.0	0.26	ug/L			07/12/21 15:50	1
Bromomethane	ND		1.0	0.69	ug/L			07/12/21 15:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/12/21 15:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/12/21 15:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/12/21 15:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/12/21 15:50	1
Chloroethane	ND		1.0	0.32	ug/L			07/12/21 15:50	1
Chloroform	ND		1.0	0.34	ug/L			07/12/21 15:50	1
Chloromethane	**0.54**	**J**	1.0	0.35	ug/L			07/12/21 15:50	1
cis-1,2-Dichloroethene	**6.9**		1.0	0.81	ug/L			07/12/21 15:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/12/21 15:50	1
Cyclohexane	ND		1.0	0.18	ug/L			07/12/21 15:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/12/21 15:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/12/21 15:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/12/21 15:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/12/21 15:50	1
Methyl acetate	ND		2.5	1.3	ug/L			07/12/21 15:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/12/21 15:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/12/21 15:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/12/21 15:50	1
Styrene	ND		1.0	0.73	ug/L			07/12/21 15:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/12/21 15:50	1
Toluene	ND		1.0	0.51	ug/L			07/12/21 15:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/12/21 15:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/12/21 15:50	1
Trichloroethene	ND		1.0	0.46	ug/L			07/12/21 15:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/12/21 15:50	1
Vinyl chloride	**13**		1.0	0.90	ug/L			07/12/21 15:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/12/21 15:50	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-2
Lab Sample ID: 480-186986-2
Date Collected: 07/07/21 10:53
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		07/12/21 15:50	1
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		07/12/21 15:50	1
4-Bromofluorobenzene (Surr)	108		73 - 120		07/12/21 15:50	1
Dibromofluoromethane (Surr)	101		75 - 123		07/12/21 15:50	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 PES-MW-4
Lab Sample ID: 480-186986-3
Date Collected: 07/07/21 11:28
Matrix: Water
Date Received: 07/09/21 08:00

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			07/12/21 16:14	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			07/12/21 16:14	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			07/12/21 16:14	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			07/12/21 16:14	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			07/12/21 16:14	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			07/12/21 16:14	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			07/12/21 16:14	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			07/12/21 16:14	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			07/12/21 16:14	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			07/12/21 16:14	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			07/12/21 16:14	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			07/12/21 16:14	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			07/12/21 16:14	4
2-Butanone (MEK)	**8.9**	**J**	40	5.3	ug/L			07/12/21 16:14	4
2-Hexanone	ND		20	5.0	ug/L			07/12/21 16:14	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			07/12/21 16:14	4
Acetone	ND		40	12	ug/L			07/12/21 16:14	4
Benzene	ND		4.0	1.6	ug/L			07/12/21 16:14	4
Bromodichloromethane	ND		4.0	1.6	ug/L			07/12/21 16:14	4
Bromoform	ND		4.0	1.0	ug/L			07/12/21 16:14	4
Bromomethane	ND		4.0	2.8	ug/L			07/12/21 16:14	4
Carbon disulfide	ND		4.0	0.76	ug/L			07/12/21 16:14	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			07/12/21 16:14	4
Chlorobenzene	ND		4.0	3.0	ug/L			07/12/21 16:14	4
Dibromochloromethane	ND		4.0	1.3	ug/L			07/12/21 16:14	4
Chloroethane	ND		4.0	1.3	ug/L			07/12/21 16:14	4
Chloroform	ND		4.0	1.4	ug/L			07/12/21 16:14	4
Chloromethane	ND		4.0	1.4	ug/L			07/12/21 16:14	4
cis-1,2-Dichloroethene	**8.7**		4.0	3.2	ug/L			07/12/21 16:14	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			07/12/21 16:14	4
Cyclohexane	ND		4.0	0.72	ug/L			07/12/21 16:14	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			07/12/21 16:14	4
Ethylbenzene	ND		4.0	3.0	ug/L			07/12/21 16:14	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			07/12/21 16:14	4
Isopropylbenzene	ND		4.0	3.2	ug/L			07/12/21 16:14	4
Methyl acetate	ND		10	5.2	ug/L			07/12/21 16:14	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			07/12/21 16:14	4
Methylcyclohexane	ND		4.0	0.64	ug/L			07/12/21 16:14	4
Methylene Chloride	ND		4.0	1.8	ug/L			07/12/21 16:14	4
Styrene	ND		4.0	2.9	ug/L			07/12/21 16:14	4
Tetrachloroethene	ND		4.0	1.4	ug/L			07/12/21 16:14	4
Toluene	ND		4.0	2.0	ug/L			07/12/21 16:14	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			07/12/21 16:14	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			07/12/21 16:14	4
Trichloroethene	**3.8**	**J**	4.0	1.8	ug/L			07/12/21 16:14	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			07/12/21 16:14	4
Vinyl chloride	**7.1**		4.0	3.6	ug/L			07/12/21 16:14	4
Xylenes, Total	ND		8.0	2.6	ug/L			07/12/21 16:14	4

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 PES-MW-4
Lab Sample ID: 480-186986-3
Date Collected: 07/07/21 11:28
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		07/12/21 16:14	4
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		07/12/21 16:14	4
4-Bromofluorobenzene (Surr)	112		73 - 120		07/12/21 16:14	4
Dibromofluoromethane (Surr)	101		75 - 123		07/12/21 16:14	4

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 PES-MW-5
Lab Sample ID: 480-186986-4
Date Collected: 07/07/21 12:00
Matrix: Water
Date Received: 07/09/21 08:00

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			07/12/21 16:37	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			07/12/21 16:37	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			07/12/21 16:37	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/12/21 16:37	10
1,1-Dichloroethane	ND		10	3.8	ug/L			07/12/21 16:37	10
1,1-Dichloroethene	ND		10	2.9	ug/L			07/12/21 16:37	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/12/21 16:37	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			07/12/21 16:37	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			07/12/21 16:37	10
1,2-Dichloroethane	ND		10	2.1	ug/L			07/12/21 16:37	10
1,2-Dichloropropane	ND		10	7.2	ug/L			07/12/21 16:37	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			07/12/21 16:37	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			07/12/21 16:37	10
2-Butanone (MEK)	**34**	**J**	100	13	ug/L			07/12/21 16:37	10
2-Hexanone	ND		50	12	ug/L			07/12/21 16:37	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/12/21 16:37	10
Acetone	ND		100	30	ug/L			07/12/21 16:37	10
Benzene	ND		10	4.1	ug/L			07/12/21 16:37	10
Bromodichloromethane	ND		10	3.9	ug/L			07/12/21 16:37	10
Bromoform	ND		10	2.6	ug/L			07/12/21 16:37	10
Bromomethane	ND		10	6.9	ug/L			07/12/21 16:37	10
Carbon disulfide	ND		10	1.9	ug/L			07/12/21 16:37	10
Carbon tetrachloride	ND		10	2.7	ug/L			07/12/21 16:37	10
Chlorobenzene	ND		10	7.5	ug/L			07/12/21 16:37	10
Dibromochloromethane	ND		10	3.2	ug/L			07/12/21 16:37	10
Chloroethane	ND		10	3.2	ug/L			07/12/21 16:37	10
Chloroform	ND		10	3.4	ug/L			07/12/21 16:37	10
Chloromethane	ND		10	3.5	ug/L			07/12/21 16:37	10
cis-1,2-Dichloroethene	**12**		10	8.1	ug/L			07/12/21 16:37	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			07/12/21 16:37	10
Cyclohexane	ND		10	1.8	ug/L			07/12/21 16:37	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			07/12/21 16:37	10
Ethylbenzene	ND		10	7.4	ug/L			07/12/21 16:37	10
1,2-Dibromoethane	ND		10	7.3	ug/L			07/12/21 16:37	10
Isopropylbenzene	ND		10	7.9	ug/L			07/12/21 16:37	10
Methyl acetate	ND		25	13	ug/L			07/12/21 16:37	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/12/21 16:37	10
Methylcyclohexane	ND		10	1.6	ug/L			07/12/21 16:37	10
Methylene Chloride	ND		10	4.4	ug/L			07/12/21 16:37	10
Styrene	ND		10	7.3	ug/L			07/12/21 16:37	10
Tetrachloroethene	ND		10	3.6	ug/L			07/12/21 16:37	10
Toluene	ND		10	5.1	ug/L			07/12/21 16:37	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			07/12/21 16:37	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			07/12/21 16:37	10
Trichloroethene	ND		10	4.6	ug/L			07/12/21 16:37	10
Trichlorofluoromethane	ND		10	8.8	ug/L			07/12/21 16:37	10
Vinyl chloride	**16**		10	9.0	ug/L			07/12/21 16:37	10
Xylenes, Total	ND		20	6.6	ug/L			07/12/21 16:37	10

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 PES-MW-5
Lab Sample ID: 480-186986-4
Date Collected: 07/07/21 12:00
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		07/12/21 16:37	10
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		07/12/21 16:37	10
4-Bromofluorobenzene (Surr)	109		73 - 120		07/12/21 16:37	10
Dibromofluoromethane (Surr)	102		75 - 123		07/12/21 16:37	10

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-12
Lab Sample ID: 480-186986-5
Date Collected: 07/07/21 12:56
Matrix: Water
Date Received: 07/09/21 08:00

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			07/12/21 17:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/12/21 17:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/12/21 17:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/12/21 17:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/12/21 17:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/12/21 17:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/12/21 17:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/12/21 17:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/12/21 17:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/12/21 17:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/12/21 17:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/12/21 17:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/12/21 17:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/12/21 17:00	1
2-Hexanone	ND		5.0	1.2	ug/L			07/12/21 17:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/12/21 17:00	1
Acetone	ND		10	3.0	ug/L			07/12/21 17:00	1
Benzene	ND		1.0	0.41	ug/L			07/12/21 17:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/12/21 17:00	1
Bromoform	ND		1.0	0.26	ug/L			07/12/21 17:00	1
Bromomethane	ND		1.0	0.69	ug/L			07/12/21 17:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/12/21 17:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/12/21 17:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/12/21 17:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/12/21 17:00	1
Chloroethane	ND		1.0	0.32	ug/L			07/12/21 17:00	1
Chloroform	ND		1.0	0.34	ug/L			07/12/21 17:00	1
Chloromethane	ND		1.0	0.35	ug/L			07/12/21 17:00	1
cis-1,2-Dichloroethene	**9.0**		1.0	0.81	ug/L			07/12/21 17:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/12/21 17:00	1
Cyclohexane	ND		1.0	0.18	ug/L			07/12/21 17:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/12/21 17:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/12/21 17:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/12/21 17:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/12/21 17:00	1
Methyl acetate	ND		2.5	1.3	ug/L			07/12/21 17:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/12/21 17:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/12/21 17:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/12/21 17:00	1
Styrene	ND		1.0	0.73	ug/L			07/12/21 17:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/12/21 17:00	1
Toluene	ND		1.0	0.51	ug/L			07/12/21 17:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/12/21 17:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/12/21 17:00	1
Trichloroethene	**0.63**	**J**	1.0	0.46	ug/L			07/12/21 17:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/12/21 17:00	1
Vinyl chloride	**4.4**		1.0	0.90	ug/L			07/12/21 17:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/12/21 17:00	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-12
Lab Sample ID: 480-186986-5
Date Collected: 07/07/21 12:56
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		07/12/21 17:00	1
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		07/12/21 17:00	1
4-Bromofluorobenzene (Surr)	111		73 - 120		07/12/21 17:00	1
Dibromofluoromethane (Surr)	105		75 - 123		07/12/21 17:00	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-14
Lab Sample ID: 480-186986-6
Date Collected: 07/07/21 12:12
Matrix: Water
Date Received: 07/09/21 08:00

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			07/12/21 17:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/12/21 17:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/12/21 17:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/12/21 17:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/12/21 17:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/12/21 17:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/12/21 17:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/12/21 17:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/12/21 17:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/12/21 17:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/12/21 17:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/12/21 17:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/12/21 17:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/12/21 17:23	1
2-Hexanone	ND		5.0	1.2	ug/L			07/12/21 17:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/12/21 17:23	1
Acetone	ND		10	3.0	ug/L			07/12/21 17:23	1
Benzene	ND		1.0	0.41	ug/L			07/12/21 17:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/12/21 17:23	1
Bromoform	ND		1.0	0.26	ug/L			07/12/21 17:23	1
Bromomethane	ND		1.0	0.69	ug/L			07/12/21 17:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/12/21 17:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/12/21 17:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/12/21 17:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/12/21 17:23	1
Chloroethane	ND		1.0	0.32	ug/L			07/12/21 17:23	1
Chloroform	ND		1.0	0.34	ug/L			07/12/21 17:23	1
Chloromethane	**0.37**	**J**	1.0	0.35	ug/L			07/12/21 17:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/12/21 17:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/12/21 17:23	1
Cyclohexane	ND		1.0	0.18	ug/L			07/12/21 17:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/12/21 17:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/12/21 17:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/12/21 17:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/12/21 17:23	1
Methyl acetate	ND		2.5	1.3	ug/L			07/12/21 17:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/12/21 17:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/12/21 17:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/12/21 17:23	1
Styrene	ND		1.0	0.73	ug/L			07/12/21 17:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/12/21 17:23	1
Toluene	ND		1.0	0.51	ug/L			07/12/21 17:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/12/21 17:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/12/21 17:23	1
Trichloroethene	ND		1.0	0.46	ug/L			07/12/21 17:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/12/21 17:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/12/21 17:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/12/21 17:23	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-14
Lab Sample ID: 480-186986-6
Date Collected: 07/07/21 12:12
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		07/12/21 17:23	1
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		07/12/21 17:23	1
4-Bromofluorobenzene (Surr)	109		73 - 120		07/12/21 17:23	1
Dibromofluoromethane (Surr)	105		75 - 123		07/12/21 17:23	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-13
Lab Sample ID: 480-186986-7
Date Collected: 07/07/21 13:22
Matrix: Water
Date Received: 07/09/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			07/12/21 17:46	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			07/12/21 17:46	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			07/12/21 17:46	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			07/12/21 17:46	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			07/12/21 17:46	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			07/12/21 17:46	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			07/12/21 17:46	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			07/12/21 17:46	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			07/12/21 17:46	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			07/12/21 17:46	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			07/12/21 17:46	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			07/12/21 17:46	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			07/12/21 17:46	8
2-Butanone (MEK)	ND		80	11	ug/L			07/12/21 17:46	8
2-Hexanone	ND		40	9.9	ug/L			07/12/21 17:46	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			07/12/21 17:46	8
Acetone	ND		80	24	ug/L			07/12/21 17:46	8
Benzene	ND		8.0	3.3	ug/L			07/12/21 17:46	8
Bromodichloromethane	ND		8.0	3.1	ug/L			07/12/21 17:46	8
Bromoform	ND		8.0	2.1	ug/L			07/12/21 17:46	8
Bromomethane	ND		8.0	5.5	ug/L			07/12/21 17:46	8
Carbon disulfide	ND		8.0	1.5	ug/L			07/12/21 17:46	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			07/12/21 17:46	8
Chlorobenzene	ND		8.0	6.0	ug/L			07/12/21 17:46	8
Dibromochloromethane	ND		8.0	2.6	ug/L			07/12/21 17:46	8
Chloroethane	ND		8.0	2.6	ug/L			07/12/21 17:46	8
Chloroform	ND		8.0	2.7	ug/L			07/12/21 17:46	8
Chloromethane	ND		8.0	2.8	ug/L			07/12/21 17:46	8
cis-1,2-Dichloroethene	**79**		8.0	6.5	ug/L			07/12/21 17:46	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			07/12/21 17:46	8
Cyclohexane	ND		8.0	1.4	ug/L			07/12/21 17:46	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			07/12/21 17:46	8
Ethylbenzene	ND		8.0	5.9	ug/L			07/12/21 17:46	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			07/12/21 17:46	8
Isopropylbenzene	ND		8.0	6.3	ug/L			07/12/21 17:46	8
Methyl acetate	ND		20	10	ug/L			07/12/21 17:46	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			07/12/21 17:46	8
Methylcyclohexane	ND		8.0	1.3	ug/L			07/12/21 17:46	8
Methylene Chloride	ND		8.0	3.5	ug/L			07/12/21 17:46	8
Styrene	ND		8.0	5.8	ug/L			07/12/21 17:46	8
Tetrachloroethene	ND		8.0	2.9	ug/L			07/12/21 17:46	8
Toluene	ND		8.0	4.1	ug/L			07/12/21 17:46	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			07/12/21 17:46	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			07/12/21 17:46	8
Trichloroethene	ND		8.0	3.7	ug/L			07/12/21 17:46	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			07/12/21 17:46	8
Vinyl chloride	**500**		8.0	7.2	ug/L			07/12/21 17:46	8
Xylenes, Total	ND		16	5.3	ug/L			07/12/21 17:46	8

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-13
Lab Sample ID: 480-186986-7
Date Collected: 07/07/21 13:22
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*07/12/21 17:46*	*8*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*07/12/21 17:46*	*8*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*07/12/21 17:46*	*8*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*07/12/21 17:46*	*8*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**100000**		5000	3800	ug/L			07/13/21 20:56	1
Ethane	**170**		7.5	1.5	ug/L			07/13/21 13:59	1
Ethene	**24**		7.0	1.5	ug/L			07/13/21 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**6800**		88	22	ug/L			07/13/21 16:11	22

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**20.0**		0.050	0.019	mg/L		07/12/21 09:55	07/12/21 21:58	1
Manganese	**0.81**		0.0030	0.00040	mg/L		07/12/21 09:55	07/12/21 21:58	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		07/14/21 10:19	07/14/21 23:35	1
Manganese	**0.61**		0.0030	0.00040	mg/L		07/14/21 10:19	07/14/21 23:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.9**		2.5	1.4	mg/L			07/14/21 00:34	5
Sulfate	**8.6**	**J**	10.0	1.7	mg/L			07/14/21 00:34	5
Alkalinity, Total	**386**	**B**	50.0	20.0	mg/L			07/15/21 03:24	5
Nitrate as N	ND	H	0.050	0.020	mg/L			07/09/21 13:43	1
Sulfide	ND		1.0	0.67	mg/L			07/14/21 14:50	1
Total Organic Carbon	**6.6**		1.0	0.43	mg/L			07/14/21 08:44	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-6R
Lab Sample ID: 480-186986-8
Date Collected: 07/07/21 13:34
Matrix: Water
Date Received: 07/09/21 08:00

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			07/12/21 18:10	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			07/12/21 18:10	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			07/12/21 18:10	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			07/12/21 18:10	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			07/12/21 18:10	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			07/12/21 18:10	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			07/12/21 18:10	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			07/12/21 18:10	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			07/12/21 18:10	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			07/12/21 18:10	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			07/12/21 18:10	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			07/12/21 18:10	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			07/12/21 18:10	4
2-Butanone (MEK)	ND		40	5.3	ug/L			07/12/21 18:10	4
2-Hexanone	ND		20	5.0	ug/L			07/12/21 18:10	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			07/12/21 18:10	4
Acetone	ND		40	12	ug/L			07/12/21 18:10	4
Benzene	ND		4.0	1.6	ug/L			07/12/21 18:10	4
Bromodichloromethane	ND		4.0	1.6	ug/L			07/12/21 18:10	4
Bromoform	ND		4.0	1.0	ug/L			07/12/21 18:10	4
Bromomethane	ND		4.0	2.8	ug/L			07/12/21 18:10	4
Carbon disulfide	ND		4.0	0.76	ug/L			07/12/21 18:10	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			07/12/21 18:10	4
Chlorobenzene	ND		4.0	3.0	ug/L			07/12/21 18:10	4
Dibromochloromethane	ND		4.0	1.3	ug/L			07/12/21 18:10	4
Chloroethane	ND		4.0	1.3	ug/L			07/12/21 18:10	4
Chloroform	ND		4.0	1.4	ug/L			07/12/21 18:10	4
Chloromethane	ND		4.0	1.4	ug/L			07/12/21 18:10	4
cis-1,2-Dichloroethene	**170**		4.0	3.2	ug/L			07/12/21 18:10	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			07/12/21 18:10	4
Cyclohexane	ND		4.0	0.72	ug/L			07/12/21 18:10	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			07/12/21 18:10	4
Ethylbenzene	ND		4.0	3.0	ug/L			07/12/21 18:10	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			07/12/21 18:10	4
Isopropylbenzene	ND		4.0	3.2	ug/L			07/12/21 18:10	4
Methyl acetate	ND		10	5.2	ug/L			07/12/21 18:10	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			07/12/21 18:10	4
Methylcyclohexane	ND		4.0	0.64	ug/L			07/12/21 18:10	4
Methylene Chloride	ND		4.0	1.8	ug/L			07/12/21 18:10	4
Styrene	ND		4.0	2.9	ug/L			07/12/21 18:10	4
Tetrachloroethene	ND		4.0	1.4	ug/L			07/12/21 18:10	4
Toluene	ND		4.0	2.0	ug/L			07/12/21 18:10	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			07/12/21 18:10	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			07/12/21 18:10	4
Trichloroethene	ND		4.0	1.8	ug/L			07/12/21 18:10	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			07/12/21 18:10	4
Vinyl chloride	**30**		4.0	3.6	ug/L			07/12/21 18:10	4
Xylenes, Total	ND		8.0	2.6	ug/L			07/12/21 18:10	4

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-6R
Lab Sample ID: 480-186986-8
Date Collected: 07/07/21 13:34
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/12/21 18:10*	*4*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*07/12/21 18:10*	*4*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*07/12/21 18:10*	*4*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*07/12/21 18:10*	*4*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**160000**		5000	3800	ug/L			07/13/21 21:05	1
Ethane	ND		7.5	1.5	ug/L			07/13/21 14:18	1
Ethene	ND		7.0	1.5	ug/L			07/13/21 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**770**		44	11	ug/L			07/13/21 16:30	11

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**34.5**		0.050	0.019	mg/L		07/12/21 09:55	07/12/21 22:02	1
Manganese	**5.0**		0.0030	0.00040	mg/L		07/12/21 09:55	07/12/21 22:02	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		07/14/21 10:19	07/14/21 23:38	1
Manganese	**4.3**		0.0030	0.00040	mg/L		07/14/21 10:19	07/14/21 23:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.0**		2.5	1.4	mg/L			07/14/21 00:52	5
Sulfate	**418**		10.0	1.7	mg/L			07/14/21 00:52	5
Alkalinity, Total	**538**	**B**	100	40.0	mg/L			07/15/21 03:36	10
Nitrate as N	**0.029**	**J H**	0.050	0.020	mg/L			07/09/21 13:35	1
Sulfide	ND		1.0	0.67	mg/L			07/14/21 14:50	1
Total Organic Carbon	**7.3**		1.0	0.43	mg/L			07/14/21 08:56	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-5
Lab Sample ID: 480-186986-9
Date Collected: 07/07/21 15:25
Matrix: Water
Date Received: 07/09/21 08:00

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			07/12/21 18:33	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			07/12/21 18:33	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/12/21 18:33	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			07/12/21 18:33	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			07/12/21 18:33	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			07/12/21 18:33	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			07/12/21 18:33	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			07/12/21 18:33	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			07/12/21 18:33	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			07/12/21 18:33	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			07/12/21 18:33	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			07/12/21 18:33	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			07/12/21 18:33	5
2-Butanone (MEK)	ND		50	6.6	ug/L			07/12/21 18:33	5
2-Hexanone	ND		25	6.2	ug/L			07/12/21 18:33	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			07/12/21 18:33	5
Acetone	ND		50	15	ug/L			07/12/21 18:33	5
Benzene	ND		5.0	2.1	ug/L			07/12/21 18:33	5
Bromodichloromethane	ND		5.0	2.0	ug/L			07/12/21 18:33	5
Bromoform	ND		5.0	1.3	ug/L			07/12/21 18:33	5
Bromomethane	ND		5.0	3.5	ug/L			07/12/21 18:33	5
Carbon disulfide	ND		5.0	0.95	ug/L			07/12/21 18:33	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			07/12/21 18:33	5
Chlorobenzene	ND		5.0	3.8	ug/L			07/12/21 18:33	5
Dibromochloromethane	ND		5.0	1.6	ug/L			07/12/21 18:33	5
Chloroethane	ND		5.0	1.6	ug/L			07/12/21 18:33	5
Chloroform	ND		5.0	1.7	ug/L			07/12/21 18:33	5
Chloromethane	ND		5.0	1.8	ug/L			07/12/21 18:33	5
cis-1,2-Dichloroethene	**160**		5.0	4.1	ug/L			07/12/21 18:33	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			07/12/21 18:33	5
Cyclohexane	ND		5.0	0.90	ug/L			07/12/21 18:33	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			07/12/21 18:33	5
Ethylbenzene	ND		5.0	3.7	ug/L			07/12/21 18:33	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			07/12/21 18:33	5
Isopropylbenzene	ND		5.0	4.0	ug/L			07/12/21 18:33	5
Methyl acetate	ND		13	6.5	ug/L			07/12/21 18:33	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			07/12/21 18:33	5
Methylcyclohexane	ND		5.0	0.80	ug/L			07/12/21 18:33	5
Methylene Chloride	ND		5.0	2.2	ug/L			07/12/21 18:33	5
Styrene	ND		5.0	3.7	ug/L			07/12/21 18:33	5
Tetrachloroethene	ND		5.0	1.8	ug/L			07/12/21 18:33	5
Toluene	ND		5.0	2.6	ug/L			07/12/21 18:33	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			07/12/21 18:33	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			07/12/21 18:33	5
Trichloroethene	**200**		5.0	2.3	ug/L			07/12/21 18:33	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			07/12/21 18:33	5
Vinyl chloride	**45**		5.0	4.5	ug/L			07/12/21 18:33	5
Xylenes, Total	ND		10	3.3	ug/L			07/12/21 18:33	5

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-5
Lab Sample ID: 480-186986-9
Date Collected: 07/07/21 15:25
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/12/21 18:33*	*5*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*07/12/21 18:33*	*5*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*07/12/21 18:33*	*5*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*07/12/21 18:33*	*5*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**120000**		5000	3800	ug/L			07/13/21 21:13	1
Methane	**260**		4.0	1.0	ug/L			07/13/21 14:37	1
Ethane	ND		7.5	1.5	ug/L			07/13/21 14:37	1
Ethene	ND		7.0	1.5	ug/L			07/13/21 14:37	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.3**		0.050	0.019	mg/L		07/12/21 09:55	07/12/21 22:06	1
Manganese	**0.14**		0.0030	0.00040	mg/L		07/12/21 09:55	07/12/21 22:06	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		07/14/21 10:19	07/14/21 23:42	1
Manganese	**0.090**		0.0030	0.00040	mg/L		07/14/21 10:19	07/14/21 23:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.1**		2.5	1.4	mg/L			07/14/21 01:09	5
Sulfate	**386**		10.0	1.7	mg/L			07/14/21 01:09	5
Alkalinity, Total	**430**	**B**	50.0	20.0	mg/L			07/15/21 03:25	5
Nitrate as N	ND		0.050	0.020	mg/L			07/09/21 13:36	1
Sulfide	ND		1.0	0.67	mg/L			07/14/21 14:50	1
Total Organic Carbon	**4.2**		1.0	0.43	mg/L			07/14/21 09:08	1

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 PES-MW-6
Lab Sample ID: 480-186986-10
Date Collected: 07/07/21 15:25
Matrix: Water
Date Received: 07/09/21 08:00

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			07/12/21 18:56	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			07/12/21 18:56	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			07/12/21 18:56	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/12/21 18:56	10
1,1-Dichloroethane	ND		10	3.8	ug/L			07/12/21 18:56	10
1,1-Dichloroethene	ND		10	2.9	ug/L			07/12/21 18:56	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/12/21 18:56	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			07/12/21 18:56	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			07/12/21 18:56	10
1,2-Dichloroethane	ND		10	2.1	ug/L			07/12/21 18:56	10
1,2-Dichloropropane	ND		10	7.2	ug/L			07/12/21 18:56	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			07/12/21 18:56	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			07/12/21 18:56	10
2-Butanone (MEK)	**100**		100	13	ug/L			07/12/21 18:56	10
2-Hexanone	ND		50	12	ug/L			07/12/21 18:56	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/12/21 18:56	10
Acetone	**31**	**J**	100	30	ug/L			07/12/21 18:56	10
Benzene	ND		10	4.1	ug/L			07/12/21 18:56	10
Bromodichloromethane	ND		10	3.9	ug/L			07/12/21 18:56	10
Bromoform	ND		10	2.6	ug/L			07/12/21 18:56	10
Bromomethane	ND		10	6.9	ug/L			07/12/21 18:56	10
Carbon disulfide	ND		10	1.9	ug/L			07/12/21 18:56	10
Carbon tetrachloride	ND		10	2.7	ug/L			07/12/21 18:56	10
Chlorobenzene	ND		10	7.5	ug/L			07/12/21 18:56	10
Dibromochloromethane	ND		10	3.2	ug/L			07/12/21 18:56	10
Chloroethane	ND		10	3.2	ug/L			07/12/21 18:56	10
Chloroform	ND		10	3.4	ug/L			07/12/21 18:56	10
Chloromethane	ND		10	3.5	ug/L			07/12/21 18:56	10
cis-1,2-Dichloroethene	**330**		10	8.1	ug/L			07/12/21 18:56	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			07/12/21 18:56	10
Cyclohexane	ND		10	1.8	ug/L			07/12/21 18:56	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			07/12/21 18:56	10
Ethylbenzene	ND		10	7.4	ug/L			07/12/21 18:56	10
1,2-Dibromoethane	ND		10	7.3	ug/L			07/12/21 18:56	10
Isopropylbenzene	ND		10	7.9	ug/L			07/12/21 18:56	10
Methyl acetate	ND		25	13	ug/L			07/12/21 18:56	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/12/21 18:56	10
Methylcyclohexane	ND		10	1.6	ug/L			07/12/21 18:56	10
Methylene Chloride	ND		10	4.4	ug/L			07/12/21 18:56	10
Styrene	ND		10	7.3	ug/L			07/12/21 18:56	10
Tetrachloroethene	ND		10	3.6	ug/L			07/12/21 18:56	10
Toluene	ND		10	5.1	ug/L			07/12/21 18:56	10
trans-1,2-Dichloroethene	**42**		10	9.0	ug/L			07/12/21 18:56	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			07/12/21 18:56	10
Trichloroethene	ND		10	4.6	ug/L			07/12/21 18:56	10
Trichlorofluoromethane	ND		10	8.8	ug/L			07/12/21 18:56	10
Vinyl chloride	**360**		10	9.0	ug/L			07/12/21 18:56	10
Xylenes, Total	ND		20	6.6	ug/L			07/12/21 18:56	10

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 PES-MW-6
Lab Sample ID: 480-186986-10
Date Collected: 07/07/21 15:25
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		07/12/21 18:56	10
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		07/12/21 18:56	10
4-Bromofluorobenzene (Surr)	107		73 - 120		07/12/21 18:56	10
Dibromofluoromethane (Surr)	100		75 - 123		07/12/21 18:56	10

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-8
Lab Sample ID: 480-186986-11
Date Collected: 07/07/21 16:00
Matrix: Water
Date Received: 07/09/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			07/12/21 19:19	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			07/12/21 19:19	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			07/12/21 19:19	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			07/12/21 19:19	40
1,1-Dichloroethane	ND		40	15	ug/L			07/12/21 19:19	40
1,1-Dichloroethene	ND	F2	40	12	ug/L			07/12/21 19:19	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			07/12/21 19:19	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			07/12/21 19:19	40
1,2-Dichlorobenzene	ND		40	32	ug/L			07/12/21 19:19	40
1,2-Dichloroethane	ND		40	8.4	ug/L			07/12/21 19:19	40
1,2-Dichloropropane	ND		40	29	ug/L			07/12/21 19:19	40
1,3-Dichlorobenzene	ND		40	31	ug/L			07/12/21 19:19	40
1,4-Dichlorobenzene	ND		40	34	ug/L			07/12/21 19:19	40
2-Butanone (MEK)	ND		400	53	ug/L			07/12/21 19:19	40
2-Hexanone	ND		200	50	ug/L			07/12/21 19:19	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			07/12/21 19:19	40
Acetone	ND		400	120	ug/L			07/12/21 19:19	40
Benzene	ND		40	16	ug/L			07/12/21 19:19	40
Bromodichloromethane	ND		40	16	ug/L			07/12/21 19:19	40
Bromoform	ND		40	10	ug/L			07/12/21 19:19	40
Bromomethane	ND		40	28	ug/L			07/12/21 19:19	40
Carbon disulfide	ND		40	7.6	ug/L			07/12/21 19:19	40
Carbon tetrachloride	ND		40	11	ug/L			07/12/21 19:19	40
Chlorobenzene	ND		40	30	ug/L			07/12/21 19:19	40
Dibromochloromethane	ND		40	13	ug/L			07/12/21 19:19	40
Chloroethane	ND		40	13	ug/L			07/12/21 19:19	40
Chloroform	ND		40	14	ug/L			07/12/21 19:19	40
Chloromethane	ND		40	14	ug/L			07/12/21 19:19	40
cis-1,2-Dichloroethene	**250**		40	32	ug/L			07/12/21 19:19	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			07/12/21 19:19	40
Cyclohexane	ND		40	7.2	ug/L			07/12/21 19:19	40
Dichlorodifluoromethane	ND		40	27	ug/L			07/12/21 19:19	40
Ethylbenzene	ND		40	30	ug/L			07/12/21 19:19	40
1,2-Dibromoethane	ND		40	29	ug/L			07/12/21 19:19	40
Isopropylbenzene	ND		40	32	ug/L			07/12/21 19:19	40
Methyl acetate	ND		100	52	ug/L			07/12/21 19:19	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			07/12/21 19:19	40
Methylcyclohexane	ND		40	6.4	ug/L			07/12/21 19:19	40
Methylene Chloride	ND		40	18	ug/L			07/12/21 19:19	40
Styrene	ND		40	29	ug/L			07/12/21 19:19	40
Tetrachloroethene	ND		40	14	ug/L			07/12/21 19:19	40
Toluene	ND		40	20	ug/L			07/12/21 19:19	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			07/12/21 19:19	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			07/12/21 19:19	40
Trichloroethene	**25**	**J**	40	18	ug/L			07/12/21 19:19	40
Trichlorofluoromethane	ND		40	35	ug/L			07/12/21 19:19	40
Vinyl chloride	**5900**	**E**	40	36	ug/L			07/12/21 19:19	40
Xylenes, Total	ND		80	26	ug/L			07/12/21 19:19	40

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-8
Lab Sample ID: 480-186986-11
Date Collected: 07/07/21 16:00
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/12/21 19:19*	*40*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*07/12/21 19:19*	*40*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*07/12/21 19:19*	*40*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/12/21 19:19*	*40*

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	F1	100	82	ug/L			07/13/21 12:06	100
1,1,2,2-Tetrachloroethane	ND	F1	100	21	ug/L			07/13/21 12:06	100
1,1,2-Trichloroethane	ND		100	23	ug/L			07/13/21 12:06	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			07/13/21 12:06	100
1,1-Dichloroethane	ND		100	38	ug/L			07/13/21 12:06	100
1,1-Dichloroethene	ND		100	29	ug/L			07/13/21 12:06	100
1,2,4-Trichlorobenzene	ND	F1	100	41	ug/L			07/13/21 12:06	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			07/13/21 12:06	100
1,2-Dichlorobenzene	ND	F1	100	79	ug/L			07/13/21 12:06	100
1,2-Dichloroethane	ND	F1	100	21	ug/L			07/13/21 12:06	100
1,2-Dichloropropane	ND		100	72	ug/L			07/13/21 12:06	100
1,3-Dichlorobenzene	ND	F1	100	78	ug/L			07/13/21 12:06	100
1,4-Dichlorobenzene	ND	F1	100	84	ug/L			07/13/21 12:06	100
2-Butanone (MEK)	ND		1000	130	ug/L			07/13/21 12:06	100
2-Hexanone	ND		500	120	ug/L			07/13/21 12:06	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			07/13/21 12:06	100
Acetone	ND		1000	300	ug/L			07/13/21 12:06	100
Benzene	ND		100	41	ug/L			07/13/21 12:06	100
Bromodichloromethane	ND	F1	100	39	ug/L			07/13/21 12:06	100
Bromoform	ND		100	26	ug/L			07/13/21 12:06	100
Bromomethane	ND		100	69	ug/L			07/13/21 12:06	100
Carbon disulfide	ND		100	19	ug/L			07/13/21 12:06	100
Carbon tetrachloride	ND		100	27	ug/L			07/13/21 12:06	100
Chlorobenzene	ND		100	75	ug/L			07/13/21 12:06	100
Dibromochloromethane	ND		100	32	ug/L			07/13/21 12:06	100
Chloroethane	ND		100	32	ug/L			07/13/21 12:06	100
Chloroform	ND		100	34	ug/L			07/13/21 12:06	100
Chloromethane	ND		100	35	ug/L			07/13/21 12:06	100
cis-1,2-Dichloroethene	**210**		100	81	ug/L			07/13/21 12:06	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			07/13/21 12:06	100
Cyclohexane	ND		100	18	ug/L			07/13/21 12:06	100
Dichlorodifluoromethane	ND		100	68	ug/L			07/13/21 12:06	100
Ethylbenzene	ND		100	74	ug/L			07/13/21 12:06	100
1,2-Dibromoethane	ND		100	73	ug/L			07/13/21 12:06	100
Isopropylbenzene	ND		100	79	ug/L			07/13/21 12:06	100
Methyl acetate	ND	F1	250	130	ug/L			07/13/21 12:06	100
Methyl tert-butyl ether	ND		100	16	ug/L			07/13/21 12:06	100
Methylcyclohexane	ND		100	16	ug/L			07/13/21 12:06	100
Methylene Chloride	ND		100	44	ug/L			07/13/21 12:06	100
Styrene	ND		100	73	ug/L			07/13/21 12:06	100
Tetrachloroethene	ND		100	36	ug/L			07/13/21 12:06	100
Toluene	ND		100	51	ug/L			07/13/21 12:06	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			07/13/21 12:06	100

Client Sample ID: 7.7.2021 MW-8
Lab Sample ID: 480-186986-11
Date Collected: 07/07/21 16:00
Matrix: Water
Date Received: 07/09/21 08:00

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		100	37	ug/L			07/13/21 12:06	100
Trichloroethene	ND		100	46	ug/L			07/13/21 12:06	100
Trichlorofluoromethane	ND		100	88	ug/L			07/13/21 12:06	100
Vinyl chloride	**5000**	**F1**	100	90	ug/L			07/13/21 12:06	100
Xylenes, Total	ND		200	66	ug/L			07/13/21 12:06	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/13/21 12:06*	*100*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*07/13/21 12:06*	*100*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*07/13/21 12:06*	*100*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*07/13/21 12:06*	*100*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**210000**		5000	3800	ug/L			07/13/21 21:22	1
Methane	**2900**		180	44	ug/L			07/13/21 14:56	44
Ethane	**1000**		330	66	ug/L			07/13/21 14:56	44
Ethene	**11000**		310	66	ug/L			07/13/21 14:56	44

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**101**		0.050	0.019	mg/L		07/12/21 09:55	07/12/21 22:09	1
Manganese	**5.6**		0.0030	0.00040	mg/L		07/12/21 09:55	07/12/21 22:09	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.7**		0.050	0.019	mg/L		07/14/21 10:19	07/14/21 23:46	1
Manganese	**4.8**		0.0030	0.00040	mg/L		07/14/21 10:19	07/14/21 23:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.9**		2.5	1.4	mg/L			07/14/21 01:27	5
Sulfate	**3.5**	**J**	10.0	1.7	mg/L			07/14/21 01:27	5
Alkalinity, Total	**782**	**B**	100	40.0	mg/L			07/15/21 03:36	10
Nitrate as N	**0.13**		0.050	0.020	mg/L			07/09/21 13:58	1
Sulfide	**1.2**		1.0	0.67	mg/L			07/14/21 14:50	1
Total Organic Carbon	**168**		4.0	1.7	mg/L			07/15/21 13:31	4

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: DUP 1
Lab Sample ID: 480-186986-12
Date Collected: 07/07/21 15:45
Matrix: Water
Date Received: 07/09/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			07/12/21 19:43	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			07/12/21 19:43	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			07/12/21 19:43	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			07/12/21 19:43	40
1,1-Dichloroethane	ND		40	15	ug/L			07/12/21 19:43	40
1,1-Dichloroethene	ND		40	12	ug/L			07/12/21 19:43	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			07/12/21 19:43	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			07/12/21 19:43	40
1,2-Dichlorobenzene	ND		40	32	ug/L			07/12/21 19:43	40
1,2-Dichloroethane	ND		40	8.4	ug/L			07/12/21 19:43	40
1,2-Dichloropropane	ND		40	29	ug/L			07/12/21 19:43	40
1,3-Dichlorobenzene	ND		40	31	ug/L			07/12/21 19:43	40
1,4-Dichlorobenzene	ND		40	34	ug/L			07/12/21 19:43	40
2-Butanone (MEK)	**70**	**J**	400	53	ug/L			07/12/21 19:43	40
2-Hexanone	ND		200	50	ug/L			07/12/21 19:43	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			07/12/21 19:43	40
Acetone	ND		400	120	ug/L			07/12/21 19:43	40
Benzene	ND		40	16	ug/L			07/12/21 19:43	40
Bromodichloromethane	ND		40	16	ug/L			07/12/21 19:43	40
Bromoform	ND		40	10	ug/L			07/12/21 19:43	40
Bromomethane	ND		40	28	ug/L			07/12/21 19:43	40
Carbon disulfide	ND		40	7.6	ug/L			07/12/21 19:43	40
Carbon tetrachloride	ND		40	11	ug/L			07/12/21 19:43	40
Chlorobenzene	ND		40	30	ug/L			07/12/21 19:43	40
Dibromochloromethane	ND		40	13	ug/L			07/12/21 19:43	40
Chloroethane	ND		40	13	ug/L			07/12/21 19:43	40
Chloroform	ND		40	14	ug/L			07/12/21 19:43	40
Chloromethane	ND		40	14	ug/L			07/12/21 19:43	40
cis-1,2-Dichloroethene	**340**		40	32	ug/L			07/12/21 19:43	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			07/12/21 19:43	40
Cyclohexane	ND		40	7.2	ug/L			07/12/21 19:43	40
Dichlorodifluoromethane	ND		40	27	ug/L			07/12/21 19:43	40
Ethylbenzene	ND		40	30	ug/L			07/12/21 19:43	40
1,2-Dibromoethane	ND		40	29	ug/L			07/12/21 19:43	40
Isopropylbenzene	ND		40	32	ug/L			07/12/21 19:43	40
Methyl acetate	ND		100	52	ug/L			07/12/21 19:43	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			07/12/21 19:43	40
Methylcyclohexane	ND		40	6.4	ug/L			07/12/21 19:43	40
Methylene Chloride	ND		40	18	ug/L			07/12/21 19:43	40
Styrene	ND		40	29	ug/L			07/12/21 19:43	40
Tetrachloroethene	ND		40	14	ug/L			07/12/21 19:43	40
Toluene	ND		40	20	ug/L			07/12/21 19:43	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			07/12/21 19:43	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			07/12/21 19:43	40
Trichloroethene	**31**	**J**	40	18	ug/L			07/12/21 19:43	40
Trichlorofluoromethane	ND		40	35	ug/L			07/12/21 19:43	40
Vinyl chloride	**6200**	**E**	40	36	ug/L			07/12/21 19:43	40
Xylenes, Total	ND		80	26	ug/L			07/12/21 19:43	40

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: DUP 1
Lab Sample ID: 480-186986-12
Date Collected: 07/07/21 15:45
Matrix: Water
Date Received: 07/09/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/12/21 19:43*	*40*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*07/12/21 19:43*	*40*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*		*07/12/21 19:43*	*40*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*07/12/21 19:43*	*40*

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		100	82	ug/L			07/13/21 12:29	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			07/13/21 12:29	100
1,1,2-Trichloroethane	ND		100	23	ug/L			07/13/21 12:29	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			07/13/21 12:29	100
1,1-Dichloroethane	ND		100	38	ug/L			07/13/21 12:29	100
1,1-Dichloroethene	ND		100	29	ug/L			07/13/21 12:29	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			07/13/21 12:29	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			07/13/21 12:29	100
1,2-Dichlorobenzene	ND		100	79	ug/L			07/13/21 12:29	100
1,2-Dichloroethane	ND		100	21	ug/L			07/13/21 12:29	100
1,2-Dichloropropane	ND		100	72	ug/L			07/13/21 12:29	100
1,3-Dichlorobenzene	ND		100	78	ug/L			07/13/21 12:29	100
1,4-Dichlorobenzene	ND		100	84	ug/L			07/13/21 12:29	100
2-Butanone (MEK)	ND		1000	130	ug/L			07/13/21 12:29	100
2-Hexanone	ND		500	120	ug/L			07/13/21 12:29	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			07/13/21 12:29	100
Acetone	ND		1000	300	ug/L			07/13/21 12:29	100
Benzene	ND		100	41	ug/L			07/13/21 12:29	100
Bromodichloromethane	ND		100	39	ug/L			07/13/21 12:29	100
Bromoform	ND		100	26	ug/L			07/13/21 12:29	100
Bromomethane	ND		100	69	ug/L			07/13/21 12:29	100
Carbon disulfide	ND		100	19	ug/L			07/13/21 12:29	100
Carbon tetrachloride	ND		100	27	ug/L			07/13/21 12:29	100
Chlorobenzene	ND		100	75	ug/L			07/13/21 12:29	100
Dibromochloromethane	ND		100	32	ug/L			07/13/21 12:29	100
Chloroethane	ND		100	32	ug/L			07/13/21 12:29	100
Chloroform	ND		100	34	ug/L			07/13/21 12:29	100
Chloromethane	ND		100	35	ug/L			07/13/21 12:29	100
cis-1,2-Dichloroethene	**210**		100	81	ug/L			07/13/21 12:29	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			07/13/21 12:29	100
Cyclohexane	ND		100	18	ug/L			07/13/21 12:29	100
Dichlorodifluoromethane	ND		100	68	ug/L			07/13/21 12:29	100
Ethylbenzene	ND		100	74	ug/L			07/13/21 12:29	100
1,2-Dibromoethane	ND		100	73	ug/L			07/13/21 12:29	100
Isopropylbenzene	ND		100	79	ug/L			07/13/21 12:29	100
Methyl acetate	ND		250	130	ug/L			07/13/21 12:29	100
Methyl tert-butyl ether	ND		100	16	ug/L			07/13/21 12:29	100
Methylcyclohexane	ND		100	16	ug/L			07/13/21 12:29	100
Methylene Chloride	ND		100	44	ug/L			07/13/21 12:29	100
Styrene	ND		100	73	ug/L			07/13/21 12:29	100
Tetrachloroethene	ND		100	36	ug/L			07/13/21 12:29	100
Toluene	ND		100	51	ug/L			07/13/21 12:29	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			07/13/21 12:29	100

Client Sample ID: DUP 1
Lab Sample ID: 480-186986-12
Date Collected: 07/07/21 15:45
Matrix: Water
Date Received: 07/09/21 08:00

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		100	37	ug/L			07/13/21 12:29	100
Trichloroethene	ND		100	46	ug/L			07/13/21 12:29	100
Trichlorofluoromethane	ND		100	88	ug/L			07/13/21 12:29	100
Vinyl chloride	**4200**		100	90	ug/L			07/13/21 12:29	100
Xylenes, Total	ND		200	66	ug/L			07/13/21 12:29	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/13/21 12:29*	*100*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*07/13/21 12:29*	*100*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*		*07/13/21 12:29*	*100*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*07/13/21 12:29*	*100*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	**210000**		5000	3800	ug/L			07/13/21 21:31	1
Methane	**3500**		44	11	ug/L			07/13/21 15:15	11
Ethane	**1100**		83	17	ug/L			07/13/21 15:15	11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethene	**9100**		310	66	ug/L			07/13/21 16:49	44

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**122**		0.050	0.019	mg/L		07/12/21 09:55	07/12/21 22:24	1
Manganese	**5.9**		0.0030	0.00040	mg/L		07/12/21 09:55	07/12/21 22:24	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.7**		0.050	0.019	mg/L		07/14/21 10:19	07/14/21 23:50	1
Manganese	**4.8**		0.0030	0.00040	mg/L		07/14/21 10:19	07/14/21 23:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.8**		2.5	1.4	mg/L			07/14/21 01:45	5
Sulfate	**3.3**	**J**	10.0	1.7	mg/L			07/14/21 01:45	5
Alkalinity, Total	**782**	**B**	100	40.0	mg/L			07/15/21 03:37	10
Nitrate as N	**0.13**		0.050	0.020	mg/L			07/09/21 14:01	1
Sulfide	ND		1.0	0.67	mg/L			07/14/21 14:50	1
Total Organic Carbon	**205**		4.0	1.7	mg/L			07/15/21 13:19	4

Client Sample ID: 7.7.2021 MW-10
Lab Sample ID: 480-186986-1

Date Collected: 07/07/21 09:50
Matrix: Water
Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	588821	07/13/21 11:43	CRL	TAL BUF
Total/NA	Analysis	RSK-175		1	169046	07/13/21 20:47	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		11	588885	07/13/21 13:40	DSC	TAL BUF
Total/NA	Analysis	RSK-175	DL	88	588885	07/13/21 15:52	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			588926	07/13/21 15:40	KMP	TAL BUF
Dissolved	Prep	3005A			588938	07/14/21 10:19	KMP	TAL BUF
Dissolved	Analysis	6010C		1	589197	07/14/21 23:31	AMH	TAL BUF
Total/NA	Prep	3005A			588596	07/12/21 09:55	ADM	TAL BUF
Total/NA	Analysis	6010C		1	588827	07/12/21 21:54	LMH	TAL BUF
Total/NA	Analysis	300.0		5	588907	07/14/21 00:16	IMZ	TAL BUF
Total/NA	Analysis	310.2		10	589111	07/15/21 03:33	SRW	TAL BUF
Total/NA	Analysis	Nitrate by calc		1	588618	07/09/21 13:42	ALT	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589093	07/14/21 14:50	MJB	TAL BUF
Total/NA	Analysis	SM 5310C		1	589251	07/14/21 08:31	CLA	TAL BUF

Client Sample ID: 7.7.2021 MW-2
Lab Sample ID: 480-186986-2

Date Collected: 07/07/21 10:53
Matrix: Water
Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	588680	07/12/21 15:50	WJD	TAL BUF

Client Sample ID: 7.7.2021 PES-MW-4
Lab Sample ID: 480-186986-3

Date Collected: 07/07/21 11:28
Matrix: Water
Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	588680	07/12/21 16:14	WJD	TAL BUF

Client Sample ID: 7.7.2021 PES-MW-5
Lab Sample ID: 480-186986-4

Date Collected: 07/07/21 12:00
Matrix: Water
Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	588680	07/12/21 16:37	WJD	TAL BUF

Client Sample ID: 7.7.2021 MW-12
Lab Sample ID: 480-186986-5

Date Collected: 07/07/21 12:56
Matrix: Water
Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	588680	07/12/21 17:00	WJD	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: 7.7.2021 MW-14
Lab Sample ID: 480-186986-6
Date Collected: 07/07/21 12:12
Matrix: Water
Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	588680	07/12/21 17:23	WJD	TAL BUF

Client Sample ID: 7.7.2021 MW-13
Lab Sample ID: 480-186986-7
Date Collected: 07/07/21 13:22
Matrix: Water
Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	588680	07/12/21 17:46	WJD	TAL BUF
Total/NA	Analysis	RSK-175		1	169046	07/13/21 20:56	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		1	588885	07/13/21 13:59	DSC	TAL BUF
Total/NA	Analysis	RSK-175	DL	22	588885	07/13/21 16:11	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			588926	07/13/21 15:40	KMP	TAL BUF
Dissolved	Prep	3005A			588938	07/14/21 10:19	KMP	TAL BUF
Dissolved	Analysis	6010C		1	589197	07/14/21 23:35	AMH	TAL BUF
Total/NA	Prep	3005A			588596	07/12/21 09:55	ADM	TAL BUF
Total/NA	Analysis	6010C		1	588827	07/12/21 21:58	LMH	TAL BUF
Total/NA	Analysis	300.0		5	588907	07/14/21 00:34	IMZ	TAL BUF
Total/NA	Analysis	310.2		5	589111	07/15/21 03:24	SRW	TAL BUF
Total/NA	Analysis	Nitrate by calc		1	588618	07/09/21 13:43	ALT	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589093	07/14/21 14:50	MJB	TAL BUF
Total/NA	Analysis	SM 5310C		1	589251	07/14/21 08:44	CLA	TAL BUF

Client Sample ID: 7.7.2021 MW-6R
Lab Sample ID: 480-186986-8
Date Collected: 07/07/21 13:34
Matrix: Water
Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	588680	07/12/21 18:10	WJD	TAL BUF
Total/NA	Analysis	RSK-175		1	169046	07/13/21 21:05	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		1	588885	07/13/21 14:18	DSC	TAL BUF
Total/NA	Analysis	RSK-175	DL	11	588885	07/13/21 16:30	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			588926	07/13/21 15:40	KMP	TAL BUF
Dissolved	Prep	3005A			588938	07/14/21 10:19	KMP	TAL BUF
Dissolved	Analysis	6010C		1	589197	07/14/21 23:38	AMH	TAL BUF
Total/NA	Prep	3005A			588596	07/12/21 09:55	ADM	TAL BUF
Total/NA	Analysis	6010C		1	588827	07/12/21 22:02	LMH	TAL BUF
Total/NA	Analysis	300.0		5	588907	07/14/21 00:52	IMZ	TAL BUF
Total/NA	Analysis	310.2		10	589111	07/15/21 03:36	SRW	TAL BUF
Total/NA	Analysis	Nitrate by calc		1	588618	07/09/21 13:35	ALT	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589093	07/14/21 14:50	MJB	TAL BUF
Total/NA	Analysis	SM 5310C		1	589251	07/14/21 08:56	CLA	TAL BUF

Client Sample ID: 7.7.2021 MW-5

Lab Sample ID: 480-186986-9

Date Collected: 07/07/21 15:25

Matrix: Water

Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	588680	07/12/21 18:33	WJD	TAL BUF
Total/NA	Analysis	RSK-175		1	169046	07/13/21 21:13	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		1	588885	07/13/21 14:37	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			588926	07/13/21 15:40	KMP	TAL BUF
Dissolved	Prep	3005A			588938	07/14/21 10:19	KMP	TAL BUF
Dissolved	Analysis	6010C		1	589197	07/14/21 23:42	AMH	TAL BUF
Total/NA	Prep	3005A			588596	07/12/21 09:55	ADM	TAL BUF
Total/NA	Analysis	6010C		1	588827	07/12/21 22:06	LMH	TAL BUF
Total/NA	Analysis	300.0		5	588907	07/14/21 01:09	IMZ	TAL BUF
Total/NA	Analysis	310.2		5	589111	07/15/21 03:25	SRW	TAL BUF
Total/NA	Analysis	Nitrate by calc		1	588618	07/09/21 13:36	ALT	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589093	07/14/21 14:50	MJB	TAL BUF
Total/NA	Analysis	SM 5310C		1	589251	07/14/21 09:08	CLA	TAL BUF

Client Sample ID: 7.7.2021 PES-MW-6

Lab Sample ID: 480-186986-10

Date Collected: 07/07/21 15:25

Matrix: Water

Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	588680	07/12/21 18:56	WJD	TAL BUF

Client Sample ID: 7.7.2021 MW-8

Lab Sample ID: 480-186986-11

Date Collected: 07/07/21 16:00

Matrix: Water

Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	588680	07/12/21 19:19	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	100	588821	07/13/21 12:06	CRL	TAL BUF
Total/NA	Analysis	RSK-175		1	169046	07/13/21 21:22	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		44	588885	07/13/21 14:56	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			588926	07/13/21 15:40	KMP	TAL BUF
Dissolved	Prep	3005A			588938	07/14/21 10:19	KMP	TAL BUF
Dissolved	Analysis	6010C		1	589197	07/14/21 23:46	AMH	TAL BUF
Total/NA	Prep	3005A			588596	07/12/21 09:55	ADM	TAL BUF
Total/NA	Analysis	6010C		1	588827	07/12/21 22:09	LMH	TAL BUF
Total/NA	Analysis	300.0		5	588907	07/14/21 01:27	IMZ	TAL BUF
Total/NA	Analysis	310.2		10	589111	07/15/21 03:36	SRW	TAL BUF
Total/NA	Analysis	Nitrate by calc		1	588618	07/09/21 13:58	ALT	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589093	07/14/21 14:50	MJB	TAL BUF
Total/NA	Analysis	SM 5310C		4	589422	07/15/21 13:31	CLA	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Client Sample ID: DUP 1
Lab Sample ID: 480-186986-12

Date Collected: 07/07/21 15:45
Matrix: Water

Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	588680	07/12/21 19:43	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	100	588821	07/13/21 12:29	CRL	TAL BUF
Total/NA	Analysis	RSK-175		1	169046	07/13/21 21:31	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		11	588885	07/13/21 15:15	DSC	TAL BUF
Total/NA	Analysis	RSK-175	DL	44	588885	07/13/21 16:49	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			588926	07/13/21 15:40	KMP	TAL BUF
Dissolved	Prep	3005A			588938	07/14/21 10:19	KMP	TAL BUF
Dissolved	Analysis	6010C		1	589197	07/14/21 23:50	AMH	TAL BUF
Total/NA	Prep	3005A			588596	07/12/21 09:55	ADM	TAL BUF
Total/NA	Analysis	6010C		1	588827	07/12/21 22:24	LMH	TAL BUF
Total/NA	Analysis	300.0		5	588907	07/14/21 01:45	IMZ	TAL BUF
Total/NA	Analysis	310.2		10	589111	07/15/21 03:37	SRW	TAL BUF
Total/NA	Analysis	Nitrate by calc		1	588618	07/09/21 14:01	ALT	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589093	07/14/21 14:50	MJB	TAL BUF
Total/NA	Analysis	SM 5310C		4	589422	07/15/21 13:19	CLA	TAL BUF

Laboratory References:

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

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-186986-1
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	04-01-22

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
RSK-175		Water	Carbon dioxide

Method Summary

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
310.2	Alkalinity	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

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186986-1	7.7.2021 MW-10	Water	07/07/21 09:50	07/09/21 08:00	
480-186986-2	7.7.2021 MW-2	Water	07/07/21 10:53	07/09/21 08:00	
480-186986-3	7.7.2021 PES-MW-4	Water	07/07/21 11:28	07/09/21 08:00	
480-186986-4	7.7.2021 PES-MW-5	Water	07/07/21 12:00	07/09/21 08:00	
480-186986-5	7.7.2021 MW-12	Water	07/07/21 12:56	07/09/21 08:00	
480-186986-6	7.7.2021 MW-14	Water	07/07/21 12:12	07/09/21 08:00	
480-186986-7	7.7.2021 MW-13	Water	07/07/21 13:22	07/09/21 08:00	
480-186986-8	7.7.2021 MW-6R	Water	07/07/21 13:34	07/09/21 08:00	
480-186986-9	7.7.2021 MW-5	Water	07/07/21 15:25	07/09/21 08:00	
480-186986-10	7.7.2021 PES-MW-6	Water	07/07/21 15:25	07/09/21 08:00	
480-186986-11	7.7.2021 MW-8	Water	07/07/21 16:00	07/09/21 08:00	
480-186986-12	DUP 1	Water	07/07/21 15:45	07/09/21 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing America

1 of 2

480-186986 Chain of Custody

Client Information	Sampler: RLS JG	Lab PM: Stone, Judy L	Carrier Tr	COC No:
Client Contact: Patrick Montuori	Phone: 518-877-7207	E-Mail: Judy.Stone@Eurofinset.com	State of	
Company: HRP Associates, Inc.	PWSID:			
Address: 1 Fairchild Square Suite 110	Due Date Requested: Standard (8 day)			
City: Clifton Park	TAT Requested (days):			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 716-225-5545	PO #: Call Out ID: 137942			
Email: Patrick.Montuori@hrpassociates.com	WO #:			
Project Name: 222 South Ferry Street #447047	Project #: 48021907			
Site:	SSOW#:			

Analysis Requeste

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOAs	RSK_175_CO2 - RSK-175 CO2	300.0_28D - Cl, SO4	6010C - Fe & Mn	RSK_175 - Methane, Ethane, Ethene	SM4500_S2_F - Sulfide	353.2, 353.2_Nitrite, Nitrate_Calc	310.2 - Alkalinity	6010C - Dissolved Fe & Mn	5310C - TOC				Total Number of containers	Special Instructions/Note:
			Preservation Code				A	N	N	D	A	CD	N	N	N	A					
7.7.2021 MW-10	7.7.2021	0950	G	Water			X	X	X	X	X	X	X	X	X	X				19	
7.7.2021 MW-2	7.7.2021	1053		Water			X													3	
7.7.2021 PES-MW-4		1128		Water			X													3	
7.7.2021 PES-MW-5		1200		Water			X													3	
7.7.2021 MW-12		1256		Water			X													3	
7.7.2021 MW-14		1212		Water			X													3	
7.7.2021 MW-13		1322		Water			X	X	X	X	X	X	X	X	X	X				18	
7.7.2021 MW-6R		1334		Water			X	X	X	X	X	X	X	X	X	X				18	
7.7.2021 MW-5		1525		Water			X	X	X	X	X	X	X	X	X	X				18	
7.7.2021 PES-MW-6	↓	1525	↓	Water			X													3	
7.7.2021 MW-8	7.7.2021	1600	G	Water		Y	X	X	X	X	X	X	X	X	X	X				54	MS/MSD Collated

Container Codes	
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)
Other:	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time:	Company	Received by: Tim Knollmyer
Relinquished by: Jim Knollmyer	Date/Time: 7-8-2021 1700	Company FETA Albany	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time: 7-8-2021 1637	Company FETA Albany		
Date/Time:	Company		
Date/Time: 7/9/21 0800	Company FA		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.8 #1

Ver: 11/01/2020

7/21/2021

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing America

Client Information	Sampler: RL, JG	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-162298-34403.2
Client Contact: Patrick Montuori	Phone:	E-Mail: Judy.Stone@Eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: HRP Associates, Inc.	PWSID:			Job #:
Address: 1 Fairchild Square Suite 110	Due Date Requested:			
City: Clifton Park	TAT Requested (days):			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Call Out ID: 137942			
Email: Patrick.Montuori@hrpassociates.com	WO #:			
Project Name: 222 South Ferry Street #447047	Project #: 48021907			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260C - TCL VOAs	RSK_175_CO2 - RSK-175 CO2	300.0_28D - Cl, SO4	6010C - Fe & Mn	RSK_175 - Methane, Ethane, Ethene	SM4500_S2_F - Sulfide	353.2, 353.2_Nitrite, Nitrate_Calc	310.2 - Alkalinity	6010C - Dissolved Fe & Mn	5310C - TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A	N	N	D	A	CB	N	N	N	A		
Dup-1	7.7.2021	—	G	Water		X	X	X	X	X	X	X	X	X	X	18	
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													

7-8-2021

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time:	Company	Received by: Tim Knollman
Relinquished by: Tim Knollman	Date/Time: 7-8-2021 1700	Company EETA Albany	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Received by: Tim Knollman	Date/Time: 7-8-2021 1637	Company EETA Albany
Received by:	Date/Time:	Company
Received by:	Date/Time: 7/9/21 0800	Company JTA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record


480-186986 Chain of Custody

Eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Stone, Judy L		o: 5020.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Judy.Stone@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 480-186986-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 7/22/2021			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email:	WO #:			
Project Name: 222 South Ferry Street #447047	Project #: 48021907			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175_CO2/ RSK-175 CO2	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
7.7.2021 MW-10 (480-186986-1)	7/7/21	09:50 Eastern		Water			X	3	
7.7.2021 MW-13 (480-186986-7)	7/7/21	13:22 Eastern		Water			X	3	
7.7.2021 MW-6R (480-186986-8)	7/7/21	13:34 Eastern		Water			X	3	
7.7.2021 MW-5 (480-186986-9)	7/7/21	15:25 Eastern		Water			X	3	
7.7.2021 MW-8 (480-186986-11)	7/7/21	16:00 Eastern		Water			X	3	
DUP 1 (480-186986-12)	7/7/21	Eastern		Water			X	3	

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/tests/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 complicance to Eurofins TestAmerica.

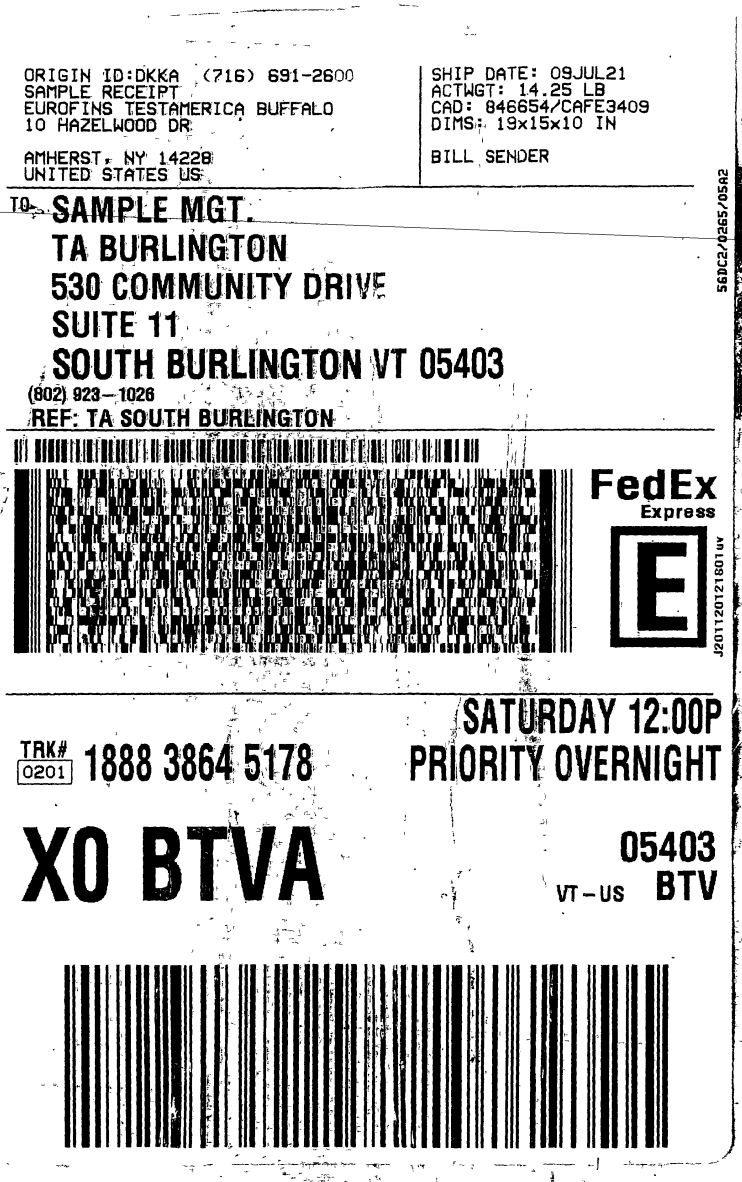
Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 7/9/21 1500	Company TAS	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 7/10/21 1600	Company EMT Buff

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020



ORIGIN ID:DKKA (716) 691-2600
SAMPLE RECEIPT
EUROFINS TESTAMERICA BUFFALO
10 HAZELWOOD DR

AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 09JUL21
ACTWGT: 14.25 LB
CAD: 846654/CAFE3409
DIMS: 19x15x10 IN

BILL SENDER

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

56DC2/0265/0582

FedEx Express

J201120121601uv

TRK# 0201 1888 3864 5178

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-186986-1

Login Number: 186986

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	2.8 #1 ICE
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	False	Refer to NCM - only vials for MS/MSD
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-186986-1

Login Number: 186986
List Number: 2
Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington
List Creation: 07/10/21 10:48 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are 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	3.9ºC
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?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT D
Data Usability Summary Report

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

August 15, 2021

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

RE: Validation of the 222 South Ferry Street Site Analytical Laboratory Data
Data Usability Summary Report (DUSR)
Eurofins SDG Nos. 480-186986-1

Dear Mr. Montuori:

Review has been completed for the data packages generated by Eurofins TestAmerica that pertain to samples collected 07/07/21 at the 222 South Ferry Street site. Eleven aqueous samples and a field duplicate were processed for TCL volatiles by the USEPA SW846 analytical method 8260D. Data validation was only requested for the volatile analyses reported in the data packages.

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

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

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

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

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

Chain-of-Custody

There are no initial relinquish field entries on the custody forms.

Blind Field Duplicate

The blind field duplicate evaluation was performed on 7.7.2021 MW-8, and correlations are within validation guidelines.

Volatile Analyses by EPA 8260C

Matrix spikes of 7.7.2021 MW-8 produced recoveries and correlations within validation guidelines, with the exception of the recoveries of vinyl chloride (154% and 145%). The results for that analyte has been qualified as estimated in that parent sample.

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

Calibration standards showed acceptable responses, with the following exception, results for which are qualified as estimated in the indicated associated samples: vinyl chloride (23%D) in 7.7.2021 MW-8 and DUP1.

Some of the samples were processed at dilution due to target analyte concentrations and/or foaming. Reporting limits in those samples are elevated proportionally to the level of dilution.

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

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

Very truly yours,

Judy Harry

Judy Harry

Attachments: Validation Qualifier Definitions
Sample Identifications
Qualified Laboratory EQuIS EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

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

Sample Summary Listings

Sample Summary

Client: New York State D.E.C.
Job ID: 480-186986-1
Project/Site: 222 South Ferry Street #447047

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186986-1	7.7.2021 MW-10	Water	07/07/21 09:50	07/09/21 08:00	
480-186986-2	7.7.2021 MW-2	Water	07/07/21 10:53	07/09/21 08:00	
480-186986-3	7.7.2021 PES-MW-4	Water	07/07/21 11:28	07/09/21 08:00	
480-186986-4	7.7.2021 PES-MW-5	Water	07/07/21 12:00	07/09/21 08:00	
480-186986-5	7.7.2021 MW-12	Water	07/07/21 12:56	07/09/21 08:00	
480-186986-6	7.7.2021 MW-14	Water	07/07/21 12:12	07/09/21 08:00	
480-186986-7	7.7.2021 MW-13	Water	07/07/21 13:22	07/09/21 08:00	
480-186986-8	7.7.2021 MW-6R	Water	07/07/21 13:34	07/09/21 08:00	
480-186986-9	7.7.2021 MW-5	Water	07/07/21 15:25	07/09/21 08:00	
480-186986-10	7.7.2021 PES-MW-6	Water	07/07/21 15:25	07/09/21 08:00	
480-186986-11	7.7.2021 MW-8	Water	07/07/21 16:00	07/09/21 08:00	
480-186986-12	DUP 1	Water	07/07/21 15:45	07/09/21 08:00	

Qualified Results Forms

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-10 Lab Sample ID: 480-186986-1

Matrix: Water Lab File ID: S1184.D

Analysis Method: 8260C Date Collected: 07/07/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 07/13/2021 11:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-10 Lab Sample ID: 480-186986-1

Matrix: Water Lab File ID: S1184.D

Analysis Method: 8260C Date Collected: 07/07/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 07/13/2021 11:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588821 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	8.3		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-2 Lab Sample ID: 480-186986-2

Matrix: Water Lab File ID: S1163.D

Analysis Method: 8260C Date Collected: 07/07/2021 10:53

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 15:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	0.54	J	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	6.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-2 Lab Sample ID: 480-186986-2

Matrix: Water Lab File ID: S1163.D

Analysis Method: 8260C Date Collected: 07/07/2021 10:53

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 15:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	13		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 PES-MW-4 Lab Sample ID: 480-186986-3

Matrix: Water Lab File ID: S1164.D

Analysis Method: 8260C Date Collected: 07/07/2021 11:28

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 16:14

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	8.9	J	40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	8.7		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 PES-MW-4 Lab Sample ID: 480-186986-3

Matrix: Water Lab File ID: S1164.D

Analysis Method: 8260C Date Collected: 07/07/2021 11:28

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 16:14

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	3.8	J	4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	7.1		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 PES-MW-5 Lab Sample ID: 480-186986-4

Matrix: Water Lab File ID: S1165.D

Analysis Method: 8260C Date Collected: 07/07/2021 12:00

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 16:37

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	34	J	100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
124-48-1	Dibromochloromethane	ND		10	3.2
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	12		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
106-93-4	1,2-Dibromoethane	ND		10	7.3
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 PES-MW-5 Lab Sample ID: 480-186986-4

Matrix: Water Lab File ID: S1165.D

Analysis Method: 8260C Date Collected: 07/07/2021 12:00

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 16:37

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	ND		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	16		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-12 Lab Sample ID: 480-186986-5

Matrix: Water Lab File ID: S1166.D

Analysis Method: 8260C Date Collected: 07/07/2021 12:56

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 17:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	9.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-12 Lab Sample ID: 480-186986-5

Matrix: Water Lab File ID: S1166.D

Analysis Method: 8260C Date Collected: 07/07/2021 12:56

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 17:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	0.63	J	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	4.4		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-14 Lab Sample ID: 480-186986-6

Matrix: Water Lab File ID: S1167.D

Analysis Method: 8260C Date Collected: 07/07/2021 12:12

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 17:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	0.37	J	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-14 Lab Sample ID: 480-186986-6

Matrix: Water Lab File ID: S1167.D

Analysis Method: 8260C Date Collected: 07/07/2021 12:12

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 17:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-13 Lab Sample ID: 480-186986-7

Matrix: Water Lab File ID: S1168.D

Analysis Method: 8260C Date Collected: 07/07/2021 13:22

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 17:46

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
78-93-3	2-Butanone (MEK)	ND		80	11
591-78-6	2-Hexanone	ND		40	9.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Bromodichloromethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
124-48-1	Dibromochloromethane	ND		8.0	2.6
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	79		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4
100-41-4	Ethylbenzene	ND		8.0	5.9
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
98-82-8	Isopropylbenzene	ND		8.0	6.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-13 Lab Sample ID: 480-186986-7

Matrix: Water Lab File ID: S1168.D

Analysis Method: 8260C Date Collected: 07/07/2021 13:22

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 17:46

Soil Aliquot Vol: Dilution Factor: 8

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	ND		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	ND		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	500		8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-6R Lab Sample ID: 480-186986-8

Matrix: Water Lab File ID: S1169.D

Analysis Method: 8260C Date Collected: 07/07/2021 13:34

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 18:10

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	170		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-6R Lab Sample ID: 480-186986-8

Matrix: Water Lab File ID: S1169.D

Analysis Method: 8260C Date Collected: 07/07/2021 13:34

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 18:10

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	30		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-5 Lab Sample ID: 480-186986-9

Matrix: Water Lab File ID: S1170.D

Analysis Method: 8260C Date Collected: 07/07/2021 15:25

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 18:33

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-00-3	Chloroethane	ND		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	160		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
100-41-4	Ethylbenzene	ND		5.0	3.7
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
98-82-8	Isopropylbenzene	ND		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-5 Lab Sample ID: 480-186986-9

Matrix: Water Lab File ID: S1170.D

Analysis Method: 8260C Date Collected: 07/07/2021 15:25

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 18:33

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	ND		5.0	1.8
108-88-3	Toluene	ND		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	200		5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	45		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 PES-MW-6 Lab Sample ID: 480-186986-10

Matrix: Water Lab File ID: S1171.D

Analysis Method: 8260C Date Collected: 07/07/2021 15:25

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 18:56

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	100		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	31	J	100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
124-48-1	Dibromochloromethane	ND		10	3.2
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	330		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
106-93-4	1,2-Dibromoethane	ND		10	7.3
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 PES-MW-6 Lab Sample ID: 480-186986-10

Matrix: Water Lab File ID: S1171.D

Analysis Method: 8260C Date Collected: 07/07/2021 15:25

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 18:56

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	42		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	ND		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	360		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-8 Lab Sample ID: 480-186986-11

Matrix: Water Lab File ID: S1172.D

Analysis Method: 8260C Date Collected: 07/07/2021 16:00

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 19:19

Soil Aliquot Vol: Dilution Factor: 40

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		40	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		40	8.4
79-00-5	1,1,2-Trichloroethane	ND		40	9.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12
75-34-3	1,1-Dichloroethane	ND		40	15
75-35-4	1,1-Dichloroethene	ND	F2	40	12
120-82-1	1,2,4-Trichlorobenzene	ND		40	16
96-12-8	1,2-Dibromo-3-Chloropropane	ND		40	16
95-50-1	1,2-Dichlorobenzene	ND		40	32
107-06-2	1,2-Dichloroethane	ND		40	8.4
78-87-5	1,2-Dichloropropane	ND		40	29
541-73-1	1,3-Dichlorobenzene	ND		40	31
106-46-7	1,4-Dichlorobenzene	ND		40	34
78-93-3	2-Butanone (MEK)	ND		400	53
591-78-6	2-Hexanone	ND		200	50
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	ND		40	16
75-27-4	Bromodichloromethane	ND		40	16
75-25-2	Bromoform	ND		40	10
74-83-9	Bromomethane	ND		40	28
75-15-0	Carbon disulfide	ND		40	7.6
56-23-5	Carbon tetrachloride	ND		40	11
108-90-7	Chlorobenzene	ND		40	30
124-48-1	Dibromochloromethane	ND		40	13
75-00-3	Chloroethane	ND		40	13
67-66-3	Chloroform	ND		40	14
74-87-3	Chloromethane	ND		40	14
156-59-2	cis-1,2-Dichloroethene	250		40	32
10061-01-5	cis-1,3-Dichloropropene	ND		40	14
110-82-7	Cyclohexane	ND		40	7.2
75-71-8	Dichlorodifluoromethane	ND		40	27
100-41-4	Ethylbenzene	ND		40	30
106-93-4	1,2-Dibromoethane	ND		40	29
98-82-8	Isopropylbenzene	ND		40	32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: 7.7.2021 MW-8 Lab Sample ID: 480-186986-11

Matrix: Water Lab File ID: S1172.D

Analysis Method: 8260C Date Collected: 07/07/2021 16:00

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 19:19

Soil Aliquot Vol: Dilution Factor: 40

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	52
1634-04-4	Methyl tert-butyl ether	ND		40	6.4
108-87-2	Methylcyclohexane	ND		40	6.4
75-09-2	Methylene Chloride	ND		40	18
100-42-5	Styrene	ND		40	29
127-18-4	Tetrachloroethene	ND		40	14
108-88-3	Toluene	ND		40	20
156-60-5	trans-1,2-Dichloroethene	ND		40	36
10061-02-6	trans-1,3-Dichloropropene	ND		40	15
79-01-6	Trichloroethene	25	J	40	18
75-69-4	Trichlorofluoromethane	ND		40	35
75-01-4	*Vinyl chloride*	**5000**	***J***	*40*	*36*
1330-20-7	Xylenes, Total	ND		80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: DUP 1 Lab Sample ID: 480-186986-12

Matrix: Water Lab File ID: S1173.D

Analysis Method: 8260C Date Collected: 07/07/2021 15:45

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 19:43

Soil Aliquot Vol: Dilution Factor: 40

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		40	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		40	8.4
79-00-5	1,1,2-Trichloroethane	ND		40	9.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12
75-34-3	1,1-Dichloroethane	ND		40	15
75-35-4	1,1-Dichloroethene	ND		40	12
120-82-1	1,2,4-Trichlorobenzene	ND		40	16
96-12-8	1,2-Dibromo-3-Chloropropane	ND		40	16
95-50-1	1,2-Dichlorobenzene	ND		40	32
107-06-2	1,2-Dichloroethane	ND		40	8.4
78-87-5	1,2-Dichloropropane	ND		40	29
541-73-1	1,3-Dichlorobenzene	ND		40	31
106-46-7	1,4-Dichlorobenzene	ND		40	34
78-93-3	2-Butanone (MEK)	70	J	400	53
591-78-6	2-Hexanone	ND		200	50
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	ND		40	16
75-27-4	Bromodichloromethane	ND		40	16
75-25-2	Bromoform	ND		40	10
74-83-9	Bromomethane	ND		40	28
75-15-0	Carbon disulfide	ND		40	7.6
56-23-5	Carbon tetrachloride	ND		40	11
108-90-7	Chlorobenzene	ND		40	30
124-48-1	Dibromochloromethane	ND		40	13
75-00-3	Chloroethane	ND		40	13
67-66-3	Chloroform	ND		40	14
74-87-3	Chloromethane	ND		40	14
156-59-2	cis-1,2-Dichloroethene	340		40	32
10061-01-5	cis-1,3-Dichloropropene	ND		40	14
110-82-7	Cyclohexane	ND		40	7.2
75-71-8	Dichlorodifluoromethane	ND		40	27
100-41-4	Ethylbenzene	ND		40	30
106-93-4	1,2-Dibromoethane	ND		40	29
98-82-8	Isopropylbenzene	ND		40	32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-186986-1

SDG No.:

Client Sample ID: DUP 1 Lab Sample ID: 480-186986-12

Matrix: Water Lab File ID: S1173.D

Analysis Method: 8260C Date Collected: 07/07/2021 15:45

Sample wt/vol: 5(mL) Date Analyzed: 07/12/2021 19:43

Soil Aliquot Vol: Dilution Factor: 40

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 588680 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	52
1634-04-4	Methyl tert-butyl ether	ND		40	6.4
108-87-2	Methylcyclohexane	ND		40	6.4
75-09-2	Methylene Chloride	ND		40	18
100-42-5	Styrene	ND		40	29
127-18-4	Tetrachloroethene	ND		40	14
108-88-3	Toluene	ND		40	20
156-60-5	trans-1,2-Dichloroethene	ND		40	36
10061-02-6	trans-1,3-Dichloropropene	ND		40	15
79-01-6	Trichloroethene	31	J	40	18
75-69-4	Trichlorofluoromethane	ND		40	35
75-01-4	*Vinyl chloride*	**4200**	***J***	*40*	*36*
1330-20-7	Xylenes, Total	ND		80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	116		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123