



April 14, 2023

Mr. Michael Belveg
Assistant Engineer
Division of Environmental Remediation, Region 7
615 Erie Blvd. West
Syracuse, New York 13204-2400

Reference Quarterly Monitoring Report – 1st Quarter 2023
Pass & Seymour
50 Boyd Avenue, Solvay, New York
NYSDEC Site No. C734102

Dear Mr. Belveg:

Introduction

This report summarizes the 1st Quarter 2023 groundwater monitoring event completed on March 22, 2023 at Pass & Seymour, Site No. C734102 (Site). The Site is located at 50 Boyd Avenue, in the Village of Solvay, Onondaga County, New York (Drawing No. 1, Appendix A). This report is prepared and submitted by GeoLogic NY, P.C. (GeoLogic) at the direction of Pass & Seymour (P&S), consistent with the Site's remedial program as approved by the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH).

The monitoring was completed in accordance with the Field Sampling Plan within the Site's Site Management Plan (SMP) approved by the Department in November 2010 and amended in 2020.

The layout of the Site and location of the groundwater monitoring wells are depicted on Drawing No. 2 (Appendix A). The 1st Quarter 2023 groundwater monitoring event included sampling the following eight (8) monitoring wells:

- BR09-37;
- BR09-39;
- BR10-46;
- BR10-47;
- IW2-1;
- IW2-3;
- OW1-1;
- OW1-4.

Background

There is one monitoring well remaining in the AOC-1 overburden: MW05-10. MW05-10 is sampled once per year, in the third quarter. The other overburden wells at the Site have been too dry to sample and have been eliminated from the monitoring program.

There are six (6) observation wells in AOC -1 screened in the upper fifteen feet of bedrock: OW1-1, OW1-4, BR09-37, BR09-39, BR10-46 and BR10-47. These wells are sampled in the first and third quarter to evaluate groundwater concentrations in this area of concern.

In AOC-2, there are five (5) observation wells screened in the overburden till/weathered shale unit to monitor ISCO effectiveness: IW2-1, IW2-3, OW2-2, OB09-36, and OB09-38. IW2-1 and IW2-3 are sampled in the first and third quarters while the remaining three wells are sampled once a year, in the third quarter.

In the northwest corner of the Site, a pair of wells screened in overburden (MW05-21) and bedrock (BR07-31) are also monitored for VOCs, once per year, in the third quarter.

As required in the SMP, once a year monitoring is also conducted for one upgradient well (BR07-32) and three downgradient, offsite wells BR08-33, BR08-34 and BR08-35. That sampling is completed during the third quarter of the calendar year.

1st Quarter 2023 Groundwater Monitoring Results

The groundwater elevations and purge volumes are summarized on Table No. 1 (Appendix B). The field parameters are summarized on Table No. 2 (Appendix B). The Groundwater Field Sampling Logs are included as Appendix C.

The groundwater samples were submitted to Eurofins Buffalo, located at 10 Hazelwood Drive, Amherst, New York 14228 for laboratory analysis. The groundwater samples were analyzed for Volatile Organic Compounds (VOCs) on the target compound list (TCL) using EPA Method 8260, Iron, Manganese, Nitrate, Chemical Oxygen Demand (COD), and Total Organic Carbon (TOC).

The analytical results are summarized on Drawing No. 2 (Appendix A) and Table No. 3 (Appendix B). The complete laboratory analytical report is included in Appendix D.

Recommendations

In accordance with the SMP, the next sampling event is scheduled for the 3rd Quarter 2023 and will include the collection of groundwater samples from eighteen (18) monitoring wells.

If you have any questions, please contact the undersigned at 607-749-500.

Mr. Michael Belveg, NYSDEC
Quarterly Monitoring Report – 1st Quarter 2023
Pass & Seymour Boyd Ave. Site, Site No.: C734102
April 14, 2023
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Respectfully submitted,

GeoLogic NY, P.C.

A handwritten signature in blue ink, appearing to read "Chris Gabriel", written over the printed name.

Christopher T. Gabriel
Environmental Scientist

A handwritten signature in blue ink, appearing to read "Forrest Earl", written over the printed name.

Forrest Earl, P.G., QEP
President/Principal Hydrogeologist

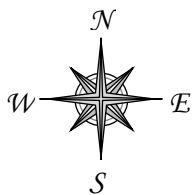
Enc.: Appendix A Drawings
 Appendix B Tables
 Appendix C Groundwater Field Sampling Logs
 Appendix D Laboratory Analytical Report

cc w/enc.: Jim Osterbrock, Pass and Seymour
 Gary Priscott, NYSDEC
 Arunesh Ghosh, NYSDOH

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C734102 - April 2023.docx

APPENDIX A

DRAWINGS



GeoLogic

GeoLogic NY, PC, Homer, New York

**SITE LOCATION PLAN
PASS & SEYMOUR
50 BOYD AVE., SOLVAY, NEW YORK
SITE NO. C734102**

DRAWN BY: CTG	SCALE: Approx. as shown	PROJECT NO: 222025
REVIEWED BY: FCE	DATE: APRIL 2023	DRAWING NO: 1

Legend:

 Monitoring Well Location

BR10-46 Monitoring Well Identification

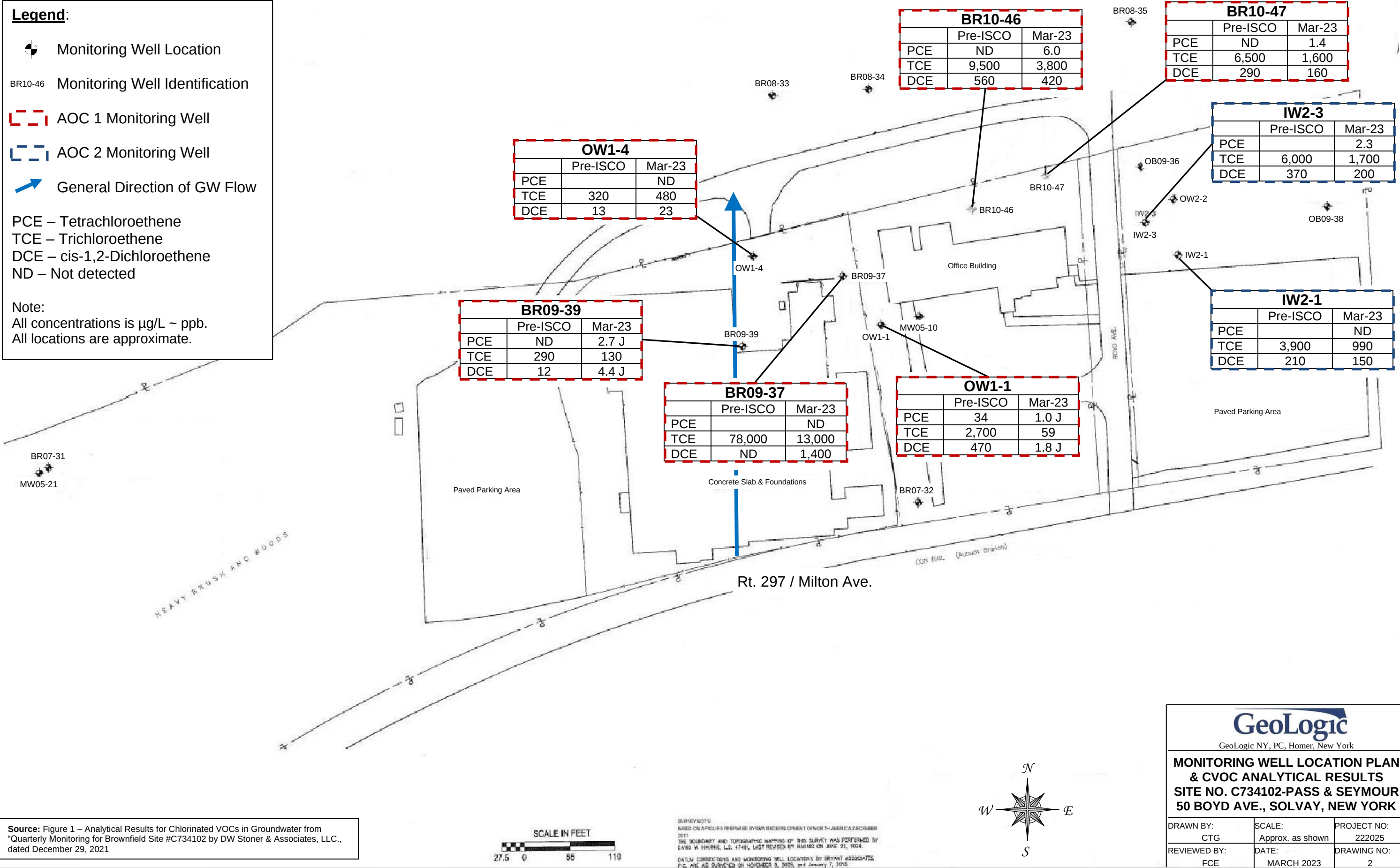
 AOC 1 Monitoring Well

 AOC 2 Monitoring Well

 General Direction of GW Flow

PCE – Tetrachloroethene
TCE – Trichloroethene
DCE – cis-1,2-Dichloroethene
ND – Not detected

Note:
All concentrations is µg/L ~ ppb.
All locations are approximate.



APPENDIX B

TABLES

Pass and Seymour - Boyd Avenue Site

Site No. C734102

<u>Notes:</u> All elevations are feet above mean sea level. Water levels measured with an electronic water level indicator to the nearest 0.01' & referenced to the top of the PVC well casing. Wells purged and sampled utilizing dedicated bailers or new/dedicated tubing with a submersible pump. TOC = Top of Casing GW = Groundwater
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Table No. 2
Field Parameters

Pass and Seymour - Boyd Avenue Site
Site No. C734102

Well	Date	Temp. (°C)	pH	Conductivity (mS/cm)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
BR09-37	3/22/2023	12.9	6.95	2.535	4.62	131.1	0.40
BR09-39	3/22/2023	14.1	7.02	1.142	0.93	115.8	4.96
BR10-46	3/22/2023	12.5	6.88	3.075	2.46	104.7	0.60
BR10-47	3/22/2023	12.2	6.90	2.251	8.16	100.2	0.97
IW2-1	3/22/2023	13.5	6.89	3.352	7.02	89.6	0.22
IW2-3	3/22/2023	13.1	6.89	3.371	13.70	84.6	0.25
OW1-1	3/22/2023	12.6	7.12	2.417	1.25	82.2	6.10
OW1-4	3/22/2023	13.4	6.93	1.074	2.95	4.0	2.56
Notes:							
3-22-2023 field parameters collected utilizing YSI ProDDs rented from & calibrated by Pine Environmental.							

Table No. 3
Summary of 1st Quarter 2023 Groundwater Analytical Results.

Pass and Seymour - Boyd Avenue Site
 Site No. C734102

March 22, 2023 Quarterly Groundwater Sampling Event													
COMPOUND µg/L (ppb)	CLASS GA STANDARD	BR09-37		BR09-39		BR10-46		BR10-47		IW2-1		IW2-3	
		3/22/2023		3/22/2023		3/22/2023		3/22/2023		3/22/2023		3/22/2023	
1,1,1-Trichloroethane	5	<400	ND	<5.0	ND	3.7		2.3		<8.0	ND	1.3	<2.0
1,1,2,2-Tetrachloroethane	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	<400	ND	<5.0	ND	2.7		1.4		<8.0	ND	1.1	<2.0
1,1,2-Trichloroethane	1	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
1,1-Dichloroethane	5	<400	ND	<5.0	ND	1.7	J	0.94	J	<8.0	ND	0.79	J
1,1-Dichloroethene	5	<400	ND	<5.0	ND	4.8		2.3		<8.0	ND	2.1	<2.0
1,2,4-Trichlorobenzene	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
1,2-Dibromo-3-chloropropane	0.04	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
1,2-Dibromoethane (EDB)	6 x 10 ⁻⁴	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
1,2-Dichlorobenzene	3	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
1,2-Dichloroethane	0.6	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
1,2-Dichloropropane	1	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
1,3-Dichlorobenzene	3	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
1,4-Dichlorobenzene	4	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
2-Butanone (MEK)	50	<4,000	ND	<50	ND	<20	ND	<10	ND	<80	ND	<10	ND
2-Hexanone	50	<2,000	ND	<25	ND	<10	ND	<5.0	ND	<40	ND	<5.0	ND
4-Methyl-2-pentanone (MIBK)	5	<2,000	ND	<25	ND	<10	ND	<5.0	ND	<40	ND	<5.0	ND
Acetone	50	<4,000	ND	<50	ND	<20	ND	<10	ND	<80	ND	<10	ND
Benzene	1	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
Bromodichloromethane	50	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
Bromoform	50	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
Bromomethane	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
Carbon disulfide	60	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
Carbon tetrachloride	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
Chlorobenzene	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
Chloroethane	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
Chloroform	7	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
Chloromethane	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
cis-1,2-Dichloroethene (DCE)	5	1,400		4.4	J	420		160		150		200	1.8
cis-1,3-Dichloropropene	0.4	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND
Cyclohexane	None	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND

Table No. 3
Summary of 1st Quarter 2023 Groundwater Analytical Results.

Pass and Seymour - Boyd Avenue Site
 Site No. C734102

COMPOUND µg/L (ppb)	CLASS GA STANDARD	BR09-37		BR09-39		BR10-46		BR10-47		IW2-1		IW2-3		OW1-1		OW1-4	
		3/22/2023		3/22/2023		3/22/2023		3/22/2023		3/22/2023		3/22/2023		3/22/2023		3/22/2023	
Dibromochloromethane	50	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
Dichlorodifluoromethane	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
Ethylbenzene	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
Isopropylbenzene (Cumene)	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
Methyl acetate	None	<1,000	ND	<13	ND	<5.0	ND	<2.5	ND	<20	ND	<2.5	ND	<5.0	ND	<50	ND
Methyl tert-butyl ether (MTBE)	10	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
Methylcyclohexane	None	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
Methylene Chloride	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
Styrene	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
Tetrachloroethene (PCE)	5	<400	ND	2.7	J	6.0		1.4		<8.0	ND	2.3		1.0	J	<20	ND
Toluene	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
trans-1,2-Dichloroethene	5	<400	ND	<5.0	ND	3.2		1.2		<8.0	ND	1.4		<2.0	ND	<20	ND
trans-1,3-Dichloropropene	0.4	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
Trichloroethene (TCE)	5	13,000		130		3,800		1,600		990		1,700		59		480	
Trichlorofluoromethane	5	<400	ND	<5.0	ND	<2.0	ND	<1.0	ND	<8.0	ND	<1.0	ND	<2.0	ND	<20	ND
Vinyl Chloride (VC)	2	<400	ND	<5.0	ND	2.1		<1.0	ND	<8.0	ND	0.96	J	<2.0	ND	<20	ND
Xylenes (Total)	5	<800	ND	<10	U	<4.0	ND	<2.0	ND	<16	ND	<2.0	ND	<4.0	ND	<40	ND
Total VOCs (µg/L)		14,400		137.1		4,244.2		1,769.5		1,140		1,904.7		61.8		503.0	
Iron (Fe) (mg/L)	0.3	<0.50	ND	<0.50	ND	<0.50	ND	<0.50	ND	0.046	J	0.33		<0.50	ND	0.11	
Manganese (Mn) (mg/L)	0.3	0.16		<0.003	ND	0.40		0.40		0.67		0.87		<0.003	ND	0.11	
Nitrate as N (mg/L)	10	1.8		3.3		2.5		3.3		0.45		1.4		4.5		2.4	
COD (mg/L)	NA	41.2		23.9		41.1		48.7		47.6		24.4		25.9		16.4	
TOC (mg/L)	250	1.9		1.7		1.8		1.5		1.5		1.6		2.1		1.7	
Notes: NYSDEC Standard = Class GA water quality standards and guidance values listed in the NYSDEC Division of Water Technical and Operation Guidance Series 1.1.1 (TOGS 1.1.1, June 1998) and subsequent corrections/addendums. All concentrations are reported in micrograms per liter (µg/L) ~ parts per billion (ppb) unless noted otherwise. ND - Not Detected at the reporting limit (RL) (or Method Detection Limit (MDL) or Estimated Detection Limit (EDL) if shown). J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. F1 - MS and/or MSD recovery exceeds control limits. COD - Chemical Oxygen Demand NS - No Sample Note: Class GA standard of 500 µg/L applies to the sum of iron and manganese concentrations. Compound Above Standard See analytical results for additional qualifiers and complete results.																	

APPENDIX C

GROUNDWATER MONITORING WELL SAMPLING RECORDS

GROUNDWATER MONITORING WELL SAMPLING RECORD FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 222025
 SITE: P&S Boyd Ave. Site (Site No. C734102)
 WELL: BR09-37
 SAMPLER: GeoLogic NY, PC: JAM
 DATE(S): 3/22/ 2023

TOC Depth of Well (ft.)	24.5				Needs new bailer & rope.						
TOC Depth to GW (ft.)	16.37										
Well Diameter (in.)	2										
1 Well Volume (gal.)	1.3	4									
Volume Purged (gal.)	0	.5	1	1.5	2	2.5	3	3.5	4		
Purging Method	Submersible pump with new or dedicated tubing										
FIELD PARAMETERS:	Time										
	13:01	13:02	13:02	13:03	13:04	13:05	13:05	13:06	13:06		
Temperature (°C)	12.7	12.7	12.8	12.9	12.9	12.9	12.9	12.9	12.9		
Dissolved Oxygen (DO) (mg/L)	5.31	1.60	0.92	0.70	0.58	0.50	0.46	0.42	0.40		
Conductivity (mS/cm)	1898	2214	2358	2420	2470	2491	2512	2524	2535		
pH	7.22	7.03	6.99	6.98	6.93	6.86	6.96	6.95	6.95		
Oxidation Reduction Potential (ORP) (mV)	136.8	137.7	135.6	135.3	134.5	133.9	132.7	132.0	131.1		
Turbidity (NTU)	9.16	6.75	6.04	5.77	5.46	5.27	4.95	4.78	4.62		
Salinity (ppt)	-	-	-	-	-	-	-	-	-		
OBSERVATIONS											
Color	clear	clear	clear	clear	→	→	→	→	→		
Sheen or Odor	no	→	→	→	→	→	→	→	→		
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2		
Time Sampled	13:10		13:10		13:10		13:10		13:10		

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected IV = Insufficient Volume

Field parameters were measured using a YSI Pro DDS with multi-parameter sonde with flow cell.

Well purged and sampled using new or dedicated polyethylene tubing and a submersible pump.

A minimum of 3 well volumes were removed prior to sample collection.

If well went dry during purging, it was allowed to recover overnight and the sample was collected within 24 hours.

Field parameter & sampling equipment was decontaminated between wells.

Disposable gloves were worn by the sampler. NTU = Nephelometric Turbidity Units

GROUNDWATER MONITORING WELL SAMPLING RECORD

FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 222025
SITE: P&S Boyd Ave. Site (Site No. C734102)
WELL: BR09-39
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 3/22/23 2023

TOC Depth of Well (ft.)	32	(or 32.22)				Obstruction at 29.70'				
TOC Depth to GW (ft.)	20.22									
Well Diameter (in.)	2									
1 Well Volume (gal.)	1.9	5.7								
Volume Purged (gal.)	0	1	2	3	4	5	6			
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	12:16	12:19	12:22	12:25	12:28	12:31	12:34			
Temperature (°C)	12.9	14.1	14.1	14.1	14.1	14.1	14.1			
Dissolved Oxygen (DO) (mg/L)	2.33	5.11	5.04	5.00	4.98	4.97	4.96			
Conductivity (mS/cm)	1104	1138	1140	1140	1141	1140	1142			
pH	7.51	7.06	7.04	7.03	7.02	7.02	7.02			
Oxidation Reduction Potential (ORP) (mV)	110.8	110.7	112.0	113.5	114.4	115.2	115.8			
Turbidity (NTU)	1.26	0.90	0.90	0.94	0.95	0.98	0.93			
Salinity (ppt)	-	-	-	-	-	-	-			
OBSERVATIONS										
Color	clear	clear	clear	clear	clear	clear	clear			
Sheen or Odor	no	no	no	no	no	no	no			
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2	
Time Sampled	12:35		12:35		12:35		12:35		12:35	

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected IV = Insufficient Volume

Field parameters were measured using a YSI Pro DDS with multi-parameter sonde with flow cell.

Well purged and sampled using new or dedicated polyethene tubing and a submersible pump.

A minimum of 3 well volumes were removed prior to sample collection.

If well went dry during purging, it was allowed to recover overnight and the sample was collected within 24 hours.

Field parameter & sampling equipment was decontaminated between wells.

Disposable gloves were worn by the sampler. NTU = Nephelometric Turbidity Units

GROUNDWATER MONITORING WELL SAMPLING RECORD FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 222025
 SITE: P&S Boyd Ave. Site (Site No. C734102)
 WELL: BR10-46
 SAMPLER: GeoLogic NY, PC: JAM
 DATE(S): 3/22/ 2023

TOC Depth of Well (ft.)	27.8									
TOC Depth to GW (ft.)	11.10									
Well Diameter (in.)	2									
1 Well Volume (gal.)	2.6	8								
Volume Purged (gal.)	0	1.6	3.2	4.8	6.4	8				
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	11:09	11:11	11:14	11:17	11:19	11:22				
Temperature (°C)	11.4	12.0	12.3	12.5	12.5	12.5				
Dissolved Oxygen (DO) (mg/L)	8.92	7.32	3.65	1.12	0.88	0.60				
Conductivity (mS/cm)	746	984	2268	1256	3008	3075				
pH	7.47	7.19	6.96	6.89	6.89	6.88				
Oxidation Reduction Potential (ORP) (mV)	75.5	94.1	108.0	108.6	106.7	104.7				
Turbidity (NTU)	56.99	11.00	5.66	5.18	4.34	2.46				
Salinity (ppt)	-	-	-	-	-	-				
OBSERVATIONS										
Color	Rusty	clear	clear	clear	clear	clear				
Sheen or Odor	NO	NO	NO	clear	NO	NO				
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2	
	Time Sampled		11:25		11:25		11:25		11:25	

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected IV = Insufficient Volume

Field parameters were measured using a YSI Pro DDS with multi-parameter sonde with flow cell.

Well purged and sampled using new or dedicated polyethylene tubing and a submersible pump.

A minimum of 3 well volumes were removed prior to sample collection.

If well went dry during purging, it was allowed to recover overnight and the sample was collected within 24 hours.

Field parameter & sampling equipment was decontaminated between wells.

Disposable gloves were worn by the sampler. NTU = Nephelometric Turbidity Units

GROUNDWATER MONITORING WELL SAMPLING RECORD

FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 222025
 SITE: P&S Boyd Ave. Site (Site No. C734102)
 WELL: BR10-47
 SAMPLER: GeoLogic NY, PC: JAM
 DATE(S): 3/22/2023

TOC Depth of Well (ft.)	28				Something in well					
TOC Depth to GW (ft.)	11.07									
Well Diameter (in.)	2									
1 Well Volume (gal.)	2.7	8								
Volume Purged (gal.)	0	1.4	2.7	4	5.4	6.7	8			
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	10:29	10:31	10:34	10:36	10:39	10:42	10:44			
Temperature (°C)	10.4	11.4	11.8	12.0	12.1	12.1	12.2			
Dissolved Oxygen (DO) (mg/L)	6.82	2.61	2.48	1.86	1.25	1.02	0.97			
Conductivity (mS/cm)	2692	1907	1924	2101	2216	2238	2251			
pH	7.63	7.21	7.17	7.07	7.02	7.00	6.90			
Oxidation Reduction Potential (ORP) (mV)	94.3	100.1	100.9	102.6	102.6	101.1	100.2			
Turbidity (NTU)	8.56	3.36	4.92	4.72	5.20	8.09	8.16			
Salinity (ppt)	-	-	-	-	-	-	-			
OBSERVATIONS										
Color	clear	clear	clear	clear	clear	clear	clear			
Sheen or Odor	NO	NO	NO	NO	NO	NO	NO			
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2	
	10:45		10:45		10:45		10:45		10:45	

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected IV = Insufficient Volume

Field parameters were measured using a YSI Pro DDS with multi-parameter sonde with flow cell.

Well purged and sampled using new or dedicated polyethylene tubing and a submersible pump.

A minimum of 3 well volumes were removed prior to sample collection.

If well went dry during purging, it was allowed to recover overnight and the sample was collected within 24 hours.

Field parameter & sampling equipment was decontaminated between wells.

Disposable gloves were worn by the sampler. NTU = Nephelometric Turbidity Units

GROUNDWATER MONITORING WELL SAMPLING RECORD

FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 222025
 SITE: P&S Boyd Ave. Site (Site No. C734102)
 WELL: IW2-1
 SAMPLER: GeoLogic NY, PC: JAM
 DATE(S): 3/22 / 2023

TOC Depth of Well (ft.)	34.5								
TOC Depth to GW (ft.)	16.24								
Well Diameter (in.)	4								
1 Well Volume (gal.)	11.9	35.7							
Volume Purged (gal.)	0	6	12	18	24	30	36		
Purging Method	Submersible pump with new or dedicated tubing								
FIELD PARAMETERS:	Time								
	9:25	9:31	9:37	9:43	9:45	9:53	10:02		
Temperature (°C)	10.9	13.3	13.1	13.4	13.5	13.5	13.5		
Dissolved Oxygen (DO) (mg/L)	5.82	0.39	0.37	0.27	0.25	0.24	0.22		
Conductivity (mS/cm)	3583	3109	3124	3291	3319	3336	3352		
pH	7.36	6.90	6.90	6.89	6.89	6.89	6.89		
Oxidation Reduction Potential (ORP) (mV)	118.6	116.5	110.3	104.9	100.1	95.5	89.6		
Turbidity (NTU)	5.60	4.76	8.41	2.49	4.16	4.78	7.02		
Salinity (ppt)	-	-	-	-	-	-	-		
OBSERVATIONS									
Color	clear	clear	clear	clear	clear	clear	clear		
Sheen or Odor	no	no	no	no	no	no	no		
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2
Time Sampled	10:05		10:05		10:05		10:05		10:05

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected IV = Insufficient Volume
 Field parameters were measured using a YSI Pro DDS with multi-parameter sonde with flow cell.
 Well purged and sampled using new or dedicated polyethylene tubing and a submersible pump.
 A minimum of 3 well volumes were removed prior to sample collection.
 If well went dry during purging, it was allowed to recover overnight and the sample was collected within 24 hours.
 Field parameter & sampling equipment was decontaminated between wells.
 Disposable gloves were worn by the sampler. NTU = Nephelometric Turbidity Units

GROUNDWATER MONITORING WELL SAMPLING RECORD

FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 222025
SITE: P&S Boyd Ave. Site (Site No. C734102)
WELL: IW2-3
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 3-22-2023

TOC Depth of Well (ft.)	34.80								
TOC Depth to GW (ft.)	14.75								
Well Diameter (in.)	4								
1 Well Volume (gal.)	13	39							
Volume Purged (gal.)	0								
Purging Method	Submersible pump with new or dedicated tubing								
FIELD PARAMETERS:	8:14	8:27	8:33	8:40	8:46	Time	8:52	9:04	
	0	6.5	13	19.5	26	32.5	39		
Temperature (°C)	12.1	12.8	12.9	12.9	13.0	13.0	13.1		
Dissolved Oxygen (DO) (mg/L)	4.23	1.05	0.39	0.31	0.28	0.27	0.25		
Conductivity (mS/cm)	1909	2192	3225	3303	3332	3340	3371		
pH	7.33	7.10	6.91	6.89	6.89	6.89	6.89		
Oxidation Reduction Potential (ORP) (mV)	30.4	76.0	85.4	85.8	85.7	85.4	84.6		
Turbidity (NTU)	2.18	7.01	17.49	15.70	25.25	16.12	13.70		
Salinity (ppt)	—	—	—	—	—	—	—		
OBSERVATIONS									
Color	Clear	Clear	Clear	Clear	Clearish	Clearish	Clear		
Sheen or Odor	NO	NO	NO	NO	NO	NO	NO		
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2
Time Sampled	9:05		9:05		9:05		9:05		9:05

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected IV = Insufficient Volume
 Field parameters were measured using a YSI Pro DDS with multi-parameter sonde with flow cell.
 Well purged and sampled using new or dedicated polyethylene tubing and a submersible pump.
 A minimum of 3 well volumes were removed prior to sample collection.
 If well went dry during purging, it was allowed to recover overnight and the sample was collected within 24 hours.
 Field parameter & sampling equipment was decontaminated between wells.
 Disposable gloves were worn by the sampler. NTU = Nephelometric Turbidity Units

GROUNDWATER MONITORING WELL SAMPLING RECORD FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 222025
 SITE: P&S Boyd Ave. Site (Site No. C734102)
 WELL: OW1-1
 SAMPLER: GeoLogic NY, PC: JAM
 DATE(S): 2023

TOC Depth of Well (ft.)	27.63	Needs rope, J-plug & bolts. Obstruction in well.							
TOC Depth to GW (ft.)	14.30								
Well Diameter (in.)	2								
1 Well Volume (gal.)	2.1	6.4							
Volume Purged (gal.)	0	1.3	2.6	3.9	5.2	6.4			
Purging Method	Submersible pump with new or dedicated tubing								
FIELD PARAMETERS:	Time								
	14:45	14:47	14:49	14:51	14:53	14:55			
Temperature (°C)	13.3	12.6	12.7	12.6	12.6	12.6			
Dissolved Oxygen (DO) (mg/L)	7.33	5.99	6.11	6.10	6.10	6.10			
Conductivity (mS/cm)	2486	2459	2426	2419	2411	2417			
pH	7.52	7.19	7.15	7.14	7.13	7.12			
Oxidation Reduction Potential (ORP) (mV)	78.0	76.5	78.4	80.2	81.1	82.2			
Turbidity (NTU)	1.51	1.46	1.48	1.40	1.28	1.25			
Salinity (ppt)	-	-	-	-	-	-			
OBSERVATIONS									
Color	clear	clear	clear	clear	clear	clear			
Sheen or Odor	NO	NO	NO	NO	NO	NO			
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2
Time Sampled	15:00		15:00		15:00		15:00		15:00

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected IV = Insufficient Volume

Field parameters were measured using a YSI Pro DDS with multi-parameter sonde with flow cell.

Well purged and sampled using new or dedicated polyethylene tubing and a submersible pump.

A minimum of 3 well volumes were removed prior to sample collection.

If well went dry during purging, it was allowed to recover overnight and the sample was collected within 24 hours.

Field parameter & sampling equipment was decontaminated between wells.

Disposable gloves were worn by the sampler. NTU = Nephelometric Turbidity Units

GROUNDWATER MONITORING WELL SAMPLING RECORD

FIELD PARAMETERS & LABORATORY ANALYSIS

PROJECT NO: 222025
 SITE: P&S Boyd Ave. Site (Site No. C734102)
 WELL: OW1-4
 SAMPLER: GeoLogic NY, PC: JAM
 DATE(S): 3/22/ 2023

TOC Depth of Well (ft.)	28.3								
TOC Depth to GW (ft.)	17.26								
Well Diameter (in.)	2								
1 Well Volume (gal.)	1.8	5.3							
Volume Purged (gal.)	0	1.2	2.4	3.6	4.8	6			
Purging Method	Submersible pump with new or dedicated tubing								
FIELD PARAMETERS:	Time								
	13:42	13:48	13:51	13:56	13:58	14:00			
Temperature (°C)	13.3	13.3	13.3	13.3	13.3	13.4			
Dissolved Oxygen (DO) (mg/L)	2.23	3.39	3.19	2.82	2.67	2.56			
Conductivity (mS/cm)	1362	826	910	1011	1047	1074			
pH	7.01	6.98	6.95	6.93	6.93	6.93			
Oxidation Reduction Potential (ORP) (mV)	-47.9	-30.1	-11.9	-1.3	1.8	4.0			
Turbidity (NTU)	11.19	10.95	5.59	3.55	2.99	2.95			
Salinity (ppt)	—	—	—	—	—	—			
OBSERVATIONS									
Color	Black	clear	clear	clear	clear	clear			
Sheen or Odor	NO	NO	NO	NO	NO	NO	yes sulfur odor	did not notice at first	
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2
Time Sampled	14:04		14:04		14:04		14:04		14:04

Comments (including field procedures):

TOC = Top of Casing GW = Groundwater NA = Not Applicable NC = Not Collected IV = Insufficient Volume
 Field parameters were measured using a YSI Pro DDS with multi-parameter sonde with flow cell.
 Well purged and sampled using new or dedicated polyethylene tubing and a submersible pump.
 A minimum of 3 well volumes were removed prior to sample collection.
 If well went dry during purging, it was allowed to recover overnight and the sample was collected within 24 hours.
 Field parameter & sampling equipment was decontaminated between wells.
 Disposable gloves were worn by the sampler. NTU = Nephelometric Turbidity Units

APPENDIX D

LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Forrest Earl
Geologic NY Inc
PO BOX 350
37 Copeland Ave
Homer, New York 13077

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JOB DESCRIPTION

Pass & Seymour Site - 222025

JOB NUMBER

480-207164-1

Eurofins Buffalo

Job Notes

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Definitions/Glossary

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Qualifiers

GC/MS VOA

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

Metals

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

Glossary

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

Case Narrative

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Job ID: 480-207164-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-207164-1

Comments

No additional comments.

Receipt

The samples were received on 3/23/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4° C and 3.8° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BR09-39 (480-207164-2), BR10-46 (480-207164-3), IW2-1 (480-207164-5) and OW1-4 (480-207164-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-662846 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BR09-37 (480-207164-1) and OW1-1 (480-207164-7).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BR09-37 (480-207164-1), BR10-46 (480-207164-3), BR10-47 (480-207164-4), IW2-1 (480-207164-5), IW2-3 (480-207164-6) and OW1-1 (480-207164-7). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

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

Detection Summary

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: BR09-37

Lab Sample ID: 480-207164-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1400		400	320	ug/L	400		8260C	Total/NA
Trichloroethene	13000		400	180	ug/L	400		8260C	Total/NA
Manganese	0.16		0.0030	0.00040	mg/L	1		6010C	Total/NA
Chemical Oxygen Demand	41.2		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	1.9		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	1.8		0.050	0.020	mg/L	1	✱	Nitrate by calc	Total/NA

Client Sample ID: BR09-39

Lab Sample ID: 480-207164-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.4	J	5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	2.7	J	5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	130		5.0	2.3	ug/L	5		8260C	Total/NA
Chemical Oxygen Demand	23.9		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	1.7		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	3.3		0.050	0.020	mg/L	1	✱	Nitrate by calc	Total/NA

Client Sample ID: BR10-46

Lab Sample ID: 480-207164-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.7		2.0	1.6	ug/L	2		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7		2.0	0.62	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	1.7	J	2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	4.8		2.0	0.58	ug/L	2		8260C	Total/NA
Tetrachloroethene	6.0		2.0	0.72	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	3.2		2.0	1.8	ug/L	2		8260C	Total/NA
Vinyl chloride	2.1		2.0	1.8	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene - DL	420		100	81	ug/L	100		8260C	Total/NA
Trichloroethene - DL	3800		100	46	ug/L	100		8260C	Total/NA
Manganese	0.40		0.0030	0.00040	mg/L	1		6010C	Total/NA
Chemical Oxygen Demand	41.1		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	1.8		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	2.5		0.050	0.020	mg/L	1	✱	Nitrate by calc	Total/NA

Client Sample ID: BR10-47

Lab Sample ID: 480-207164-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.3		1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4		1.0	0.31	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.94	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.3		1.0	0.29	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.4		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.2		1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	160		40	32	ug/L	40		8260C	Total/NA
Trichloroethene - DL	1600		40	18	ug/L	40		8260C	Total/NA
Manganese	0.40		0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.15		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	48.7		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	1.5		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	3.3		0.050	0.020	mg/L	1	✱	Nitrate by calc	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: IW2-1

Lab Sample ID: 480-207164-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150		8.0	6.5	ug/L	8		8260C	Total/NA
Trichloroethene - DL	990		20	9.2	ug/L	20		8260C	Total/NA
Iron	0.046	J	0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.67		0.0030	0.00040	mg/L	1		6010C	Total/NA
Chemical Oxygen Demand	47.6		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	1.5		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	0.45		0.050	0.020	mg/L	1	✳	Nitrate by calc	Total/NA

Client Sample ID: IW2-3

Lab Sample ID: 480-207164-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.3		1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1		1.0	0.31	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.79	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.1		1.0	0.29	ug/L	1		8260C	Total/NA
Tetrachloroethene	2.3		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	0.96	J	1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	200		40	32	ug/L	40		8260C	Total/NA
Trichloroethene - DL	1700		40	18	ug/L	40		8260C	Total/NA
Iron	0.33		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.87		0.0030	0.00040	mg/L	1		6010C	Total/NA
Chemical Oxygen Demand	24.4		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	1.6		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	1.4		0.050	0.020	mg/L	1	✳	Nitrate by calc	Total/NA

Client Sample ID: OW1-1

Lab Sample ID: 480-207164-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.8	J	2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.0	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	59		2.0	0.92	ug/L	2		8260C	Total/NA
Chemical Oxygen Demand	25.9		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	2.1		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	4.5		0.050	0.020	mg/L	1	✳	Nitrate by calc	Total/NA

Client Sample ID: OW1-4

Lab Sample ID: 480-207164-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	23		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	480		20	9.2	ug/L	20		8260C	Total/NA
Iron	0.11		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.11		0.0030	0.00040	mg/L	1		6010C	Total/NA
Chemical Oxygen Demand	16.4		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	1.7		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	2.4		0.050	0.020	mg/L	1	✳	Nitrate by calc	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: BR09-37

Lab Sample ID: 480-207164-1

Date Collected: 03/22/23 13:10

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		400	330	ug/L			03/27/23 12:43	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			03/27/23 12:43	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		400	120	ug/L			03/27/23 12:43	400
1,1,2-Trichloroethane	ND		400	92	ug/L			03/27/23 12:43	400
1,1-Dichloroethane	ND		400	150	ug/L			03/27/23 12:43	400
1,1-Dichloroethene	ND		400	120	ug/L			03/27/23 12:43	400
1,2,4-Trichlorobenzene	ND		400	160	ug/L			03/27/23 12:43	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			03/27/23 12:43	400
1,2-Dibromoethane	ND		400	290	ug/L			03/27/23 12:43	400
1,2-Dichlorobenzene	ND		400	320	ug/L			03/27/23 12:43	400
1,2-Dichloroethane	ND		400	84	ug/L			03/27/23 12:43	400
1,2-Dichloropropane	ND		400	290	ug/L			03/27/23 12:43	400
1,3-Dichlorobenzene	ND		400	310	ug/L			03/27/23 12:43	400
1,4-Dichlorobenzene	ND		400	340	ug/L			03/27/23 12:43	400
2-Butanone (MEK)	ND		4000	530	ug/L			03/27/23 12:43	400
2-Hexanone	ND		2000	500	ug/L			03/27/23 12:43	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			03/27/23 12:43	400
Acetone	ND		4000	1200	ug/L			03/27/23 12:43	400
Benzene	ND		400	160	ug/L			03/27/23 12:43	400
Bromodichloromethane	ND		400	160	ug/L			03/27/23 12:43	400
Bromoform	ND		400	100	ug/L			03/27/23 12:43	400
Bromomethane	ND		400	280	ug/L			03/27/23 12:43	400
Carbon disulfide	ND		400	76	ug/L			03/27/23 12:43	400
Carbon tetrachloride	ND		400	110	ug/L			03/27/23 12:43	400
Chlorobenzene	ND		400	300	ug/L			03/27/23 12:43	400
Chloroethane	ND		400	130	ug/L			03/27/23 12:43	400
Chloroform	ND		400	140	ug/L			03/27/23 12:43	400
Chloromethane	ND		400	140	ug/L			03/27/23 12:43	400
cis-1,2-Dichloroethene	1400		400	320	ug/L			03/27/23 12:43	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			03/27/23 12:43	400
Cyclohexane	ND		400	72	ug/L			03/27/23 12:43	400
Dibromochloromethane	ND		400	130	ug/L			03/27/23 12:43	400
Dichlorodifluoromethane	ND		400	270	ug/L			03/27/23 12:43	400
Ethylbenzene	ND		400	300	ug/L			03/27/23 12:43	400
Isopropylbenzene	ND		400	320	ug/L			03/27/23 12:43	400
Methyl acetate	ND		1000	520	ug/L			03/27/23 12:43	400
Methyl tert-butyl ether	ND		400	64	ug/L			03/27/23 12:43	400
Methylcyclohexane	ND		400	64	ug/L			03/27/23 12:43	400
Methylene Chloride	ND		400	180	ug/L			03/27/23 12:43	400
Styrene	ND		400	290	ug/L			03/27/23 12:43	400
Tetrachloroethene	ND		400	140	ug/L			03/27/23 12:43	400
Toluene	ND		400	200	ug/L			03/27/23 12:43	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			03/27/23 12:43	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			03/27/23 12:43	400
Trichloroethene	13000		400	180	ug/L			03/27/23 12:43	400
Trichlorofluoromethane	ND		400	350	ug/L			03/27/23 12:43	400
Vinyl chloride	ND		400	360	ug/L			03/27/23 12:43	400
Xylenes, Total	ND		800	260	ug/L			03/27/23 12:43	400

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: BR09-37

Lab Sample ID: 480-207164-1

Date Collected: 03/22/23 13:10

Matrix: Water

Date Received: 03/23/23 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		03/27/23 12:43	400
4-Bromofluorobenzene (Surr)	106		73 - 120		03/27/23 12:43	400
Dibromofluoromethane (Surr)	107		75 - 123		03/27/23 12:43	400
Toluene-d8 (Surr)	97		80 - 120		03/27/23 12:43	400

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		03/24/23 08:14	03/25/23 03:48	1
Manganese	0.16		0.0030	0.00040	mg/L		03/24/23 08:14	03/25/23 03:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	41.2		10.0	5.0	mg/L			03/28/23 19:38	1
Total Organic Carbon - Quad (SW846 9060A)	1.9		1.0	0.43	mg/L			04/01/23 12:48	1
Nitrate as N (SM Nitrate by calc)	1.8		0.050	0.020	mg/L	☆		03/23/23 20:11	1

Client Sample ID: BR09-39

Lab Sample ID: 480-207164-2

Date Collected: 03/22/23 12:35

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 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			03/24/23 16:27	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/24/23 16:27	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			03/24/23 16:27	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/24/23 16:27	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			03/24/23 16:27	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			03/24/23 16:27	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			03/24/23 16:27	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			03/24/23 16:27	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			03/24/23 16:27	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			03/24/23 16:27	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/24/23 16:27	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/24/23 16:27	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			03/24/23 16:27	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			03/24/23 16:27	5
2-Butanone (MEK)	ND		50	6.6	ug/L			03/24/23 16:27	5
2-Hexanone	ND		25	6.2	ug/L			03/24/23 16:27	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/24/23 16:27	5
Acetone	ND		50	15	ug/L			03/24/23 16:27	5
Benzene	ND		5.0	2.1	ug/L			03/24/23 16:27	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/24/23 16:27	5
Bromoform	ND		5.0	1.3	ug/L			03/24/23 16:27	5
Bromomethane	ND		5.0	3.5	ug/L			03/24/23 16:27	5
Carbon disulfide	ND		5.0	0.95	ug/L			03/24/23 16:27	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/24/23 16:27	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/24/23 16:27	5
Chloroethane	ND		5.0	1.6	ug/L			03/24/23 16:27	5
Chloroform	ND		5.0	1.7	ug/L			03/24/23 16:27	5

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: BR09-39

Lab Sample ID: 480-207164-2

Date Collected: 03/22/23 12:35

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0	1.8	ug/L			03/24/23 16:27	5
cis-1,2-Dichloroethene	4.4	J	5.0	4.1	ug/L			03/24/23 16:27	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/24/23 16:27	5
Cyclohexane	ND		5.0	0.90	ug/L			03/24/23 16:27	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/24/23 16:27	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			03/24/23 16:27	5
Ethylbenzene	ND		5.0	3.7	ug/L			03/24/23 16:27	5
Isopropylbenzene	ND		5.0	4.0	ug/L			03/24/23 16:27	5
Methyl acetate	ND		13	6.5	ug/L			03/24/23 16:27	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			03/24/23 16:27	5
Methylcyclohexane	ND		5.0	0.80	ug/L			03/24/23 16:27	5
Methylene Chloride	ND		5.0	2.2	ug/L			03/24/23 16:27	5
Styrene	ND		5.0	3.7	ug/L			03/24/23 16:27	5
Tetrachloroethene	2.7	J	5.0	1.8	ug/L			03/24/23 16:27	5
Toluene	ND		5.0	2.6	ug/L			03/24/23 16:27	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/24/23 16:27	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/24/23 16:27	5
Trichloroethene	130		5.0	2.3	ug/L			03/24/23 16:27	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			03/24/23 16:27	5
Vinyl chloride	ND		5.0	4.5	ug/L			03/24/23 16:27	5
Xylenes, Total	ND		10	3.3	ug/L			03/24/23 16:27	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		03/24/23 16:27	5
4-Bromofluorobenzene (Surr)	106		73 - 120		03/24/23 16:27	5
Dibromofluoromethane (Surr)	106		75 - 123		03/24/23 16:27	5
Toluene-d8 (Surr)	100		80 - 120		03/24/23 16:27	5

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		03/24/23 08:14	03/25/23 03:52	1
Manganese	ND		0.0030	0.00040	mg/L		03/24/23 08:14	03/25/23 03:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	23.9		10.0	5.0	mg/L			03/28/23 19:41	1
Total Organic Carbon - Quad (SW846 9060A)	1.7		1.0	0.43	mg/L			04/01/23 13:17	1
Nitrate as N (SM Nitrate by calc)	3.3		0.050	0.020	mg/L	☆		03/23/23 20:11	1

Client Sample ID: BR10-46

Lab Sample ID: 480-207164-3

Date Collected: 03/22/23 11:25

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.7		2.0	1.6	ug/L			03/24/23 16:51	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/24/23 16:51	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7		2.0	0.62	ug/L			03/24/23 16:51	2

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: BR10-46

Lab Sample ID: 480-207164-3

Date Collected: 03/22/23 11:25

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/24/23 16:51	2
1,1-Dichloroethane	1.7	J	2.0	0.76	ug/L			03/24/23 16:51	2
1,1-Dichloroethene	4.8		2.0	0.58	ug/L			03/24/23 16:51	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/24/23 16:51	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			03/24/23 16:51	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			03/24/23 16:51	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			03/24/23 16:51	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/24/23 16:51	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/24/23 16:51	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/24/23 16:51	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			03/24/23 16:51	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/24/23 16:51	2
2-Hexanone	ND		10	2.5	ug/L			03/24/23 16:51	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/24/23 16:51	2
Acetone	ND		20	6.0	ug/L			03/24/23 16:51	2
Benzene	ND		2.0	0.82	ug/L			03/24/23 16:51	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/24/23 16:51	2
Bromoform	ND		2.0	0.52	ug/L			03/24/23 16:51	2
Bromomethane	ND		2.0	1.4	ug/L			03/24/23 16:51	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/24/23 16:51	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/24/23 16:51	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/24/23 16:51	2
Chloroethane	ND		2.0	0.64	ug/L			03/24/23 16:51	2
Chloroform	ND		2.0	0.68	ug/L			03/24/23 16:51	2
Chloromethane	ND		2.0	0.70	ug/L			03/24/23 16:51	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/24/23 16:51	2
Cyclohexane	ND		2.0	0.36	ug/L			03/24/23 16:51	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/24/23 16:51	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			03/24/23 16:51	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/24/23 16:51	2
Isopropylbenzene	ND		2.0	1.6	ug/L			03/24/23 16:51	2
Methyl acetate	ND		5.0	2.6	ug/L			03/24/23 16:51	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			03/24/23 16:51	2
Methylcyclohexane	ND		2.0	0.32	ug/L			03/24/23 16:51	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/24/23 16:51	2
Styrene	ND		2.0	1.5	ug/L			03/24/23 16:51	2
Tetrachloroethene	6.0		2.0	0.72	ug/L			03/24/23 16:51	2
Toluene	ND		2.0	1.0	ug/L			03/24/23 16:51	2
trans-1,2-Dichloroethene	3.2		2.0	1.8	ug/L			03/24/23 16:51	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/24/23 16:51	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			03/24/23 16:51	2
Vinyl chloride	2.1		2.0	1.8	ug/L			03/24/23 16:51	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/24/23 16:51	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		03/24/23 16:51	2
4-Bromofluorobenzene (Surr)	110		73 - 120		03/24/23 16:51	2
Dibromofluoromethane (Surr)	107		75 - 123		03/24/23 16:51	2
Toluene-d8 (Surr)	97		80 - 120		03/24/23 16:51	2

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: BR10-46

Lab Sample ID: 480-207164-3

Date Collected: 03/22/23 11:25

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	420		100	81	ug/L			03/27/23 13:08	100
Trichloroethene	3800		100	46	ug/L			03/27/23 13:08	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					03/27/23 13:08	100
4-Bromofluorobenzene (Surr)	102		73 - 120					03/27/23 13:08	100
Dibromofluoromethane (Surr)	107		75 - 123					03/27/23 13:08	100
Toluene-d8 (Surr)	93		80 - 120					03/27/23 13:08	100

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		03/24/23 08:14	03/25/23 03:56	1
Manganese	0.40		0.0030	0.00040	mg/L		03/24/23 08:14	03/25/23 03:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	41.1		10.0	5.0	mg/L			03/28/23 19:44	1
Total Organic Carbon - Quad (SW846 9060A)	1.8		1.0	0.43	mg/L			04/01/23 13:45	1
Nitrate as N (SM Nitrate by calc)	2.5		0.050	0.020	mg/L	✱		03/23/23 20:11	1

Client Sample ID: BR10-47

Lab Sample ID: 480-207164-4

Date Collected: 03/22/23 10:45

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.3		1.0	0.82	ug/L			03/24/23 17:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/23 17:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4		1.0	0.31	ug/L			03/24/23 17:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/23 17:15	1
1,1-Dichloroethane	0.94 J		1.0	0.38	ug/L			03/24/23 17:15	1
1,1-Dichloroethene	2.3		1.0	0.29	ug/L			03/24/23 17:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/24/23 17:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/24/23 17:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/24/23 17:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/24/23 17:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/23 17:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/23 17:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/24/23 17:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/24/23 17:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/23 17:15	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/23 17:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/23 17:15	1
Acetone	ND		10	3.0	ug/L			03/24/23 17:15	1
Benzene	ND		1.0	0.41	ug/L			03/24/23 17:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/23 17:15	1
Bromoform	ND		1.0	0.26	ug/L			03/24/23 17:15	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/23 17:15	1

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: BR10-47

Lab Sample ID: 480-207164-4

Date Collected: 03/22/23 10:45

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/23 17:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/23 17:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/23 17:15	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/23 17:15	1
Chloroform	ND		1.0	0.34	ug/L			03/24/23 17:15	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/23 17:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/23 17:15	1
Cyclohexane	ND		1.0	0.18	ug/L			03/24/23 17:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/23 17:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/24/23 17:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/23 17:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/24/23 17:15	1
Methyl acetate	ND		2.5	1.3	ug/L			03/24/23 17:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/24/23 17:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/24/23 17:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/23 17:15	1
Styrene	ND		1.0	0.73	ug/L			03/24/23 17:15	1
Tetrachloroethene	1.4		1.0	0.36	ug/L			03/24/23 17:15	1
Toluene	ND		1.0	0.51	ug/L			03/24/23 17:15	1
trans-1,2-Dichloroethene	1.2		1.0	0.90	ug/L			03/24/23 17:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/23 17:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/24/23 17:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/23 17:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/23 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		03/24/23 17:15	1
4-Bromofluorobenzene (Surr)	107		73 - 120		03/24/23 17:15	1
Dibromofluoromethane (Surr)	109		75 - 123		03/24/23 17:15	1
Toluene-d8 (Surr)	97		80 - 120		03/24/23 17:15	1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	160		40	32	ug/L			03/27/23 13:32	40
Trichloroethene	1600		40	18	ug/L			03/27/23 13:32	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		03/27/23 13:32	40
4-Bromofluorobenzene (Surr)	110		73 - 120		03/27/23 13:32	40
Dibromofluoromethane (Surr)	109		75 - 123		03/27/23 13:32	40
Toluene-d8 (Surr)	98		80 - 120		03/27/23 13:32	40

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		03/24/23 08:14	03/25/23 04:00	1
Manganese	0.40		0.0030	0.00040	mg/L		03/24/23 08:14	03/25/23 04:00	1

Method: SW846 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		03/27/23 08:37	03/27/23 21:34	1
Manganese	0.15		0.0030	0.00040	mg/L		03/27/23 08:37	03/27/23 21:34	1

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: BR10-47

Lab Sample ID: 480-207164-4

Date Collected: 03/22/23 10:45

Matrix: Water

Date Received: 03/23/23 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	48.7		10.0	5.0	mg/L			03/28/23 19:47	1
Total Organic Carbon - Quad (SW846 9060A)	1.5		1.0	0.43	mg/L			04/01/23 14:13	1
Nitrate as N (SM Nitrate by calc)	3.3		0.050	0.020	mg/L	☼		03/23/23 20:11	1

Client Sample ID: IW2-1

Lab Sample ID: 480-207164-5

Date Collected: 03/22/23 10:05

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 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			03/24/23 17:39	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			03/24/23 17:39	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			03/24/23 17:39	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			03/24/23 17:39	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			03/24/23 17:39	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			03/24/23 17:39	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			03/24/23 17:39	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			03/24/23 17:39	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			03/24/23 17:39	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			03/24/23 17:39	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			03/24/23 17:39	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			03/24/23 17:39	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			03/24/23 17:39	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			03/24/23 17:39	8
2-Butanone (MEK)	ND		80	11	ug/L			03/24/23 17:39	8
2-Hexanone	ND		40	9.9	ug/L			03/24/23 17:39	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			03/24/23 17:39	8
Acetone	ND		80	24	ug/L			03/24/23 17:39	8
Benzene	ND		8.0	3.3	ug/L			03/24/23 17:39	8
Bromodichloromethane	ND		8.0	3.1	ug/L			03/24/23 17:39	8
Bromoform	ND		8.0	2.1	ug/L			03/24/23 17:39	8
Bromomethane	ND		8.0	5.5	ug/L			03/24/23 17:39	8
Carbon disulfide	ND		8.0	1.5	ug/L			03/24/23 17:39	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			03/24/23 17:39	8
Chlorobenzene	ND		8.0	6.0	ug/L			03/24/23 17:39	8
Chloroethane	ND		8.0	2.6	ug/L			03/24/23 17:39	8
Chloroform	ND		8.0	2.7	ug/L			03/24/23 17:39	8
Chloromethane	ND		8.0	2.8	ug/L			03/24/23 17:39	8
cis-1,2-Dichloroethene	150		8.0	6.5	ug/L			03/24/23 17:39	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			03/24/23 17:39	8
Cyclohexane	ND		8.0	1.4	ug/L			03/24/23 17:39	8
Dibromochloromethane	ND		8.0	2.6	ug/L			03/24/23 17:39	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			03/24/23 17:39	8
Ethylbenzene	ND		8.0	5.9	ug/L			03/24/23 17:39	8
Isopropylbenzene	ND		8.0	6.3	ug/L			03/24/23 17:39	8
Methyl acetate	ND		20	10	ug/L			03/24/23 17:39	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			03/24/23 17:39	8
Methylcyclohexane	ND		8.0	1.3	ug/L			03/24/23 17:39	8

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: IW2-1

Lab Sample ID: 480-207164-5

Date Collected: 03/22/23 10:05

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		8.0	3.5	ug/L			03/24/23 17:39	8
Styrene	ND		8.0	5.8	ug/L			03/24/23 17:39	8
Tetrachloroethene	ND		8.0	2.9	ug/L			03/24/23 17:39	8
Toluene	ND		8.0	4.1	ug/L			03/24/23 17:39	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			03/24/23 17:39	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			03/24/23 17:39	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			03/24/23 17:39	8
Vinyl chloride	ND		8.0	7.2	ug/L			03/24/23 17:39	8
Xylenes, Total	ND		16	5.3	ug/L			03/24/23 17:39	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		03/24/23 17:39	8
4-Bromofluorobenzene (Surr)	105		73 - 120		03/24/23 17:39	8
Dibromofluoromethane (Surr)	110		75 - 123		03/24/23 17:39	8
Toluene-d8 (Surr)	99		80 - 120		03/24/23 17:39	8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	990		20	9.2	ug/L			03/27/23 13:56	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		03/27/23 13:56	20
4-Bromofluorobenzene (Surr)	107		73 - 120		03/27/23 13:56	20
Dibromofluoromethane (Surr)	113		75 - 123		03/27/23 13:56	20
Toluene-d8 (Surr)	97		80 - 120		03/27/23 13:56	20

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.046	J	0.050	0.019	mg/L		03/24/23 08:14	03/25/23 04:04	1
Manganese	0.67		0.0030	0.00040	mg/L		03/24/23 08:14	03/25/23 04:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	47.6		10.0	5.0	mg/L			03/28/23 19:49	1
Total Organic Carbon - Quad (SW846 9060A)	1.5		1.0	0.43	mg/L			04/01/23 17:05	1
Nitrate as N (SM Nitrate by calc)	0.45		0.050	0.020	mg/L	☆		03/23/23 20:11	1

Client Sample ID: IW2-3

Lab Sample ID: 480-207164-6

Date Collected: 03/22/23 09:05

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.3		1.0	0.82	ug/L			03/24/23 18:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/23 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1		1.0	0.31	ug/L			03/24/23 18:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/23 18:03	1
1,1-Dichloroethane	0.79	J	1.0	0.38	ug/L			03/24/23 18:03	1
1,1-Dichloroethene	2.1		1.0	0.29	ug/L			03/24/23 18:03	1

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: IW2-3

Lab Sample ID: 480-207164-6

Date Collected: 03/22/23 09:05

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/24/23 18:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/24/23 18:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/24/23 18:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/24/23 18:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/23 18:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/23 18:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/24/23 18:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/24/23 18:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/23 18:03	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/23 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/23 18:03	1
Acetone	ND		10	3.0	ug/L			03/24/23 18:03	1
Benzene	ND		1.0	0.41	ug/L			03/24/23 18:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/23 18:03	1
Bromoform	ND		1.0	0.26	ug/L			03/24/23 18:03	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/23 18:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/23 18:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/23 18:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/23 18:03	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/23 18:03	1
Chloroform	ND		1.0	0.34	ug/L			03/24/23 18:03	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/23 18:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/23 18:03	1
Cyclohexane	ND		1.0	0.18	ug/L			03/24/23 18:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/23 18:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/24/23 18:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/23 18:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/24/23 18:03	1
Methyl acetate	ND		2.5	1.3	ug/L			03/24/23 18:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/24/23 18:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/24/23 18:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/23 18:03	1
Styrene	ND		1.0	0.73	ug/L			03/24/23 18:03	1
Tetrachloroethene	2.3		1.0	0.36	ug/L			03/24/23 18:03	1
Toluene	ND		1.0	0.51	ug/L			03/24/23 18:03	1
trans-1,2-Dichloroethene	1.4		1.0	0.90	ug/L			03/24/23 18:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/23 18:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/24/23 18:03	1
Vinyl chloride	0.96 J		1.0	0.90	ug/L			03/24/23 18:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/23 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		03/24/23 18:03	1
4-Bromofluorobenzene (Surr)	107		73 - 120		03/24/23 18:03	1
Dibromofluoromethane (Surr)	106		75 - 123		03/24/23 18:03	1
Toluene-d8 (Surr)	96		80 - 120		03/24/23 18:03	1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	200		40	32	ug/L			03/27/23 14:21	40

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: IW2-3

Lab Sample ID: 480-207164-6

Date Collected: 03/22/23 09:05

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1700		40	18	ug/L			03/27/23 14:21	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120					03/27/23 14:21	40
4-Bromofluorobenzene (Surr)	108		73 - 120					03/27/23 14:21	40
Dibromofluoromethane (Surr)	108		75 - 123					03/27/23 14:21	40
Toluene-d8 (Surr)	96		80 - 120					03/27/23 14:21	40

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.33		0.050	0.019	mg/L		03/24/23 08:14	03/25/23 04:08	1
Manganese	0.87		0.0030	0.00040	mg/L		03/24/23 08:14	03/25/23 04:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	24.4		10.0	5.0	mg/L			04/04/23 16:26	1
Total Organic Carbon - Quad (SW846 9060A)	1.6		1.0	0.43	mg/L			04/01/23 18:02	1
Nitrate as N (SM Nitrate by calc)	1.4		0.050	0.020	mg/L	☆		03/23/23 20:11	1

Client Sample ID: OW1-1

Lab Sample ID: 480-207164-7

Date Collected: 03/22/23 15:00

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			03/27/23 14:45	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/27/23 14:45	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			03/27/23 14:45	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/27/23 14:45	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/27/23 14:45	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/27/23 14:45	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/27/23 14:45	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			03/27/23 14:45	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			03/27/23 14:45	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			03/27/23 14:45	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/27/23 14:45	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/27/23 14:45	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/27/23 14:45	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			03/27/23 14:45	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/27/23 14:45	2
2-Hexanone	ND		10	2.5	ug/L			03/27/23 14:45	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/27/23 14:45	2
Acetone	ND		20	6.0	ug/L			03/27/23 14:45	2
Benzene	ND		2.0	0.82	ug/L			03/27/23 14:45	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/27/23 14:45	2
Bromoform	ND		2.0	0.52	ug/L			03/27/23 14:45	2
Bromomethane	ND		2.0	1.4	ug/L			03/27/23 14:45	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/27/23 14:45	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/27/23 14:45	2

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: OW1-1

Lab Sample ID: 480-207164-7

Date Collected: 03/22/23 15:00

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		2.0	1.5	ug/L			03/27/23 14:45	2
Chloroethane	ND		2.0	0.64	ug/L			03/27/23 14:45	2
Chloroform	ND		2.0	0.68	ug/L			03/27/23 14:45	2
Chloromethane	ND		2.0	0.70	ug/L			03/27/23 14:45	2
cis-1,2-Dichloroethene	1.8	J	2.0	1.6	ug/L			03/27/23 14:45	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/27/23 14:45	2
Cyclohexane	ND		2.0	0.36	ug/L			03/27/23 14:45	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/27/23 14:45	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			03/27/23 14:45	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/27/23 14:45	2
Isopropylbenzene	ND		2.0	1.6	ug/L			03/27/23 14:45	2
Methyl acetate	ND		5.0	2.6	ug/L			03/27/23 14:45	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			03/27/23 14:45	2
Methylcyclohexane	ND		2.0	0.32	ug/L			03/27/23 14:45	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/27/23 14:45	2
Styrene	ND		2.0	1.5	ug/L			03/27/23 14:45	2
Tetrachloroethene	1.0	J	2.0	0.72	ug/L			03/27/23 14:45	2
Toluene	ND		2.0	1.0	ug/L			03/27/23 14:45	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/27/23 14:45	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/27/23 14:45	2
Trichloroethene	59		2.0	0.92	ug/L			03/27/23 14:45	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			03/27/23 14:45	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/27/23 14:45	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/27/23 14:45	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		03/27/23 14:45	2
4-Bromofluorobenzene (Surr)	109		73 - 120		03/27/23 14:45	2
Dibromofluoromethane (Surr)	108		75 - 123		03/27/23 14:45	2
Toluene-d8 (Surr)	97		80 - 120		03/27/23 14:45	2

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		03/24/23 08:14	03/25/23 04:13	1
Manganese	ND		0.0030	0.00040	mg/L		03/24/23 08:14	03/25/23 04:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	25.9		10.0	5.0	mg/L			04/04/23 16:21	1
Total Organic Carbon - Quad (SW846 9060A)	2.1		1.0	0.43	mg/L			04/01/23 18:31	1
Nitrate as N (SM Nitrate by calc)	4.5		0.050	0.020	mg/L	☆		03/23/23 20:11	1

Client Sample ID: OW1-4

Lab Sample ID: 480-207164-8

Date Collected: 03/22/23 14:04

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			03/24/23 18:52	20

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: OW1-4

Lab Sample ID: 480-207164-8

Date Collected: 03/22/23 14:04

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			03/24/23 18:52	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			03/24/23 18:52	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			03/24/23 18:52	20
1,1-Dichloroethane	ND		20	7.6	ug/L			03/24/23 18:52	20
1,1-Dichloroethene	ND		20	5.8	ug/L			03/24/23 18:52	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			03/24/23 18:52	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			03/24/23 18:52	20
1,2-Dibromoethane	ND		20	15	ug/L			03/24/23 18:52	20
1,2-Dichlorobenzene	ND		20	16	ug/L			03/24/23 18:52	20
1,2-Dichloroethane	ND		20	4.2	ug/L			03/24/23 18:52	20
1,2-Dichloropropane	ND		20	14	ug/L			03/24/23 18:52	20
1,3-Dichlorobenzene	ND		20	16	ug/L			03/24/23 18:52	20
1,4-Dichlorobenzene	ND		20	17	ug/L			03/24/23 18:52	20
2-Butanone (MEK)	ND		200	26	ug/L			03/24/23 18:52	20
2-Hexanone	ND		100	25	ug/L			03/24/23 18:52	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			03/24/23 18:52	20
Acetone	ND		200	60	ug/L			03/24/23 18:52	20
Benzene	ND		20	8.2	ug/L			03/24/23 18:52	20
Bromodichloromethane	ND		20	7.8	ug/L			03/24/23 18:52	20
Bromoform	ND		20	5.2	ug/L			03/24/23 18:52	20
Bromomethane	ND		20	14	ug/L			03/24/23 18:52	20
Carbon disulfide	ND		20	3.8	ug/L			03/24/23 18:52	20
Carbon tetrachloride	ND		20	5.4	ug/L			03/24/23 18:52	20
Chlorobenzene	ND		20	15	ug/L			03/24/23 18:52	20
Chloroethane	ND		20	6.4	ug/L			03/24/23 18:52	20
Chloroform	ND		20	6.8	ug/L			03/24/23 18:52	20
Chloromethane	ND		20	7.0	ug/L			03/24/23 18:52	20
cis-1,2-Dichloroethene	23		20	16	ug/L			03/24/23 18:52	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			03/24/23 18:52	20
Cyclohexane	ND		20	3.6	ug/L			03/24/23 18:52	20
Dibromochloromethane	ND		20	6.4	ug/L			03/24/23 18:52	20
Dichlorodifluoromethane	ND		20	14	ug/L			03/24/23 18:52	20
Ethylbenzene	ND		20	15	ug/L			03/24/23 18:52	20
Isopropylbenzene	ND		20	16	ug/L			03/24/23 18:52	20
Methyl acetate	ND		50	26	ug/L			03/24/23 18:52	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			03/24/23 18:52	20
Methylcyclohexane	ND		20	3.2	ug/L			03/24/23 18:52	20
Methylene Chloride	ND		20	8.8	ug/L			03/24/23 18:52	20
Styrene	ND		20	15	ug/L			03/24/23 18:52	20
Tetrachloroethene	ND		20	7.2	ug/L			03/24/23 18:52	20
Toluene	ND		20	10	ug/L			03/24/23 18:52	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			03/24/23 18:52	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			03/24/23 18:52	20
Trichloroethene	480		20	9.2	ug/L			03/24/23 18:52	20
Trichlorofluoromethane	ND		20	18	ug/L			03/24/23 18:52	20
Vinyl chloride	ND		20	18	ug/L			03/24/23 18:52	20
Xylenes, Total	ND		40	13	ug/L			03/24/23 18:52	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		03/24/23 18:52	20

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Client Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: OW1-4

Lab Sample ID: 480-207164-8

Date Collected: 03/22/23 14:04

Matrix: Water

Date Received: 03/23/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		73 - 120		03/24/23 18:52	20
Dibromofluoromethane (Surr)	105		75 - 123		03/24/23 18:52	20
Toluene-d8 (Surr)	100		80 - 120		03/24/23 18:52	20

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.11		0.050	0.019	mg/L		03/24/23 08:14	03/25/23 04:28	1
Manganese	0.11		0.0030	0.00040	mg/L		03/24/23 08:14	03/25/23 04:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	16.4		10.0	5.0	mg/L			04/04/23 16:23	1
Total Organic Carbon - Quad (SW846 9060A)	1.7		1.0	0.43	mg/L			04/01/23 18:59	1
Nitrate as N (SM Nitrate by calc)	2.4		0.050	0.020	mg/L	☆		03/23/23 20:11	1

Surrogate Summary

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-207164-1	BR09-37	108	106	107	97
480-207164-1 MS	BR09-37	109	109	113	97
480-207164-1 MSD	BR09-37	108	110	108	97
480-207164-2	BR09-39	104	106	106	100
480-207164-3	BR10-46	107	110	107	97
480-207164-3 - DL	BR10-46	106	102	107	93
480-207164-4	BR10-47	107	107	109	97
480-207164-4 - DL	BR10-47	106	110	109	98
480-207164-5	IW2-1	108	105	110	99
480-207164-5 - DL	IW2-1	112	107	113	97
480-207164-6	IW2-3	107	107	106	96
480-207164-6 - DL	IW2-3	108	108	108	96
480-207164-7	OW1-1	108	109	108	97
480-207164-8	OW1-4	104	107	105	100
LCS 480-662666/6	Lab Control Sample	106	107	108	97
LCS 480-662846/6	Lab Control Sample	110	108	108	97
MB 480-662666/8	Method Blank	106	106	112	101
MB 480-662846/8	Method Blank	107	108	109	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

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

Lab Sample ID: MB 480-662666/8

Matrix: Water

Analysis Batch: 662666

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/24/23 10:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/23 10:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/24/23 10:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/24/23 10:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/24/23 10:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/24/23 10:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/24/23 10:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/24/23 10:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/24/23 10:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/24/23 10:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/24/23 10:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/24/23 10:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/24/23 10:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/24/23 10:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/24/23 10:38	1
2-Hexanone	ND		5.0	1.2	ug/L			03/24/23 10:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/24/23 10:38	1
Acetone	ND		10	3.0	ug/L			03/24/23 10:38	1
Benzene	ND		1.0	0.41	ug/L			03/24/23 10:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/24/23 10:38	1
Bromoform	ND		1.0	0.26	ug/L			03/24/23 10:38	1
Bromomethane	ND		1.0	0.69	ug/L			03/24/23 10:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/24/23 10:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/24/23 10:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/24/23 10:38	1
Chloroethane	ND		1.0	0.32	ug/L			03/24/23 10:38	1
Chloroform	ND		1.0	0.34	ug/L			03/24/23 10:38	1
Chloromethane	ND		1.0	0.35	ug/L			03/24/23 10:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/24/23 10:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/24/23 10:38	1
Cyclohexane	ND		1.0	0.18	ug/L			03/24/23 10:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/24/23 10:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/24/23 10:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/24/23 10:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/24/23 10:38	1
Methyl acetate	ND		2.5	1.3	ug/L			03/24/23 10:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/24/23 10:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/24/23 10:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/23 10:38	1
Styrene	ND		1.0	0.73	ug/L			03/24/23 10:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/23 10:38	1
Toluene	ND		1.0	0.51	ug/L			03/24/23 10:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/24/23 10:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/24/23 10:38	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/23 10:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/24/23 10:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/24/23 10:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/24/23 10:38	1

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QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

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

Lab Sample ID: MB 480-662666/8

Matrix: Water

Analysis Batch: 662666

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		03/24/23 10:38	1
4-Bromofluorobenzene (Surr)	106		73 - 120		03/24/23 10:38	1
Dibromofluoromethane (Surr)	112		75 - 123		03/24/23 10:38	1
Toluene-d8 (Surr)	101		80 - 120		03/24/23 10:38	1

Lab Sample ID: LCS 480-662666/6

Matrix: Water

Analysis Batch: 662666

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.7		ug/L		103	61 - 148
1,1,2-Trichloroethane	25.0	23.1		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	26.5		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	26.6		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	25.0	24.5		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.1		ug/L		88	56 - 134
1,2-Dibromoethane	25.0	24.9		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.4		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	121		ug/L		96	57 - 140
2-Hexanone	125	108		ug/L		86	65 - 127
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	26.5		ug/L		106	71 - 124
Bromodichloromethane	25.0	26.2		ug/L		105	80 - 122
Bromoform	25.0	29.1		ug/L		116	61 - 132
Bromomethane	25.0	26.5		ug/L		106	55 - 144
Carbon disulfide	25.0	27.3		ug/L		109	59 - 134
Carbon tetrachloride	25.0	30.8		ug/L		123	72 - 134
Chlorobenzene	25.0	25.4		ug/L		102	80 - 120
Chloroethane	25.0	25.6		ug/L		103	69 - 136
Chloroform	25.0	24.6		ug/L		98	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	26.6		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	26.3		ug/L		105	74 - 124
Cyclohexane	25.0	27.3		ug/L		109	59 - 135
Dibromochloromethane	25.0	27.4		ug/L		110	75 - 125
Dichlorodifluoromethane	25.0	25.9		ug/L		104	59 - 135
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Isopropylbenzene	25.0	24.7		ug/L		99	77 - 122
Methyl acetate	50.0	52.1		ug/L		104	74 - 133
Methyl tert-butyl ether	25.0	25.6		ug/L		102	77 - 120
Methylcyclohexane	25.0	27.8		ug/L		111	68 - 134

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QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

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

Lab Sample ID: LCS 480-662666/6

Matrix: Water

Analysis Batch: 662666

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124
Styrene	25.0	25.1		ug/L		100	80 - 120
Tetrachloroethene	25.0	27.9		ug/L		112	74 - 122
Toluene	25.0	25.1		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	27.4		ug/L		110	73 - 127
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	80 - 120
Trichloroethene	25.0	27.2		ug/L		109	74 - 123
Trichlorofluoromethane	25.0	26.2		ug/L		105	62 - 150
Vinyl chloride	25.0	25.8		ug/L		103	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Dibromofluoromethane (Surr)	108		75 - 123
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: MB 480-662846/8

Matrix: Water

Analysis Batch: 662846

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/27/23 12:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/27/23 12:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/27/23 12:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/27/23 12:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/27/23 12:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/27/23 12:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/27/23 12:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/27/23 12:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/27/23 12:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/27/23 12:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/27/23 12:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/27/23 12:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/27/23 12:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/27/23 12:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/27/23 12:07	1
2-Hexanone	ND		5.0	1.2	ug/L			03/27/23 12:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/27/23 12:07	1
Acetone	ND		10	3.0	ug/L			03/27/23 12:07	1
Benzene	ND		1.0	0.41	ug/L			03/27/23 12:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/27/23 12:07	1
Bromoform	ND		1.0	0.26	ug/L			03/27/23 12:07	1
Bromomethane	ND		1.0	0.69	ug/L			03/27/23 12:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/27/23 12:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/27/23 12:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/27/23 12:07	1
Chloroethane	ND		1.0	0.32	ug/L			03/27/23 12:07	1
Chloroform	ND		1.0	0.34	ug/L			03/27/23 12:07	1

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QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

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

Lab Sample ID: MB 480-662846/8

Matrix: Water

Analysis Batch: 662846

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			03/27/23 12:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/27/23 12:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/27/23 12:07	1
Cyclohexane	ND		1.0	0.18	ug/L			03/27/23 12:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/27/23 12:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/27/23 12:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/27/23 12:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/27/23 12:07	1
Methyl acetate	ND		2.5	1.3	ug/L			03/27/23 12:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/27/23 12:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/27/23 12:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/27/23 12:07	1
Styrene	ND		1.0	0.73	ug/L			03/27/23 12:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/27/23 12:07	1
Toluene	ND		1.0	0.51	ug/L			03/27/23 12:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/27/23 12:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/27/23 12:07	1
Trichloroethene	ND		1.0	0.46	ug/L			03/27/23 12:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/27/23 12:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/27/23 12:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/27/23 12:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		03/27/23 12:07	1
4-Bromofluorobenzene (Surr)	108		73 - 120		03/27/23 12:07	1
Dibromofluoromethane (Surr)	109		75 - 123		03/27/23 12:07	1
Toluene-d8 (Surr)	97		80 - 120		03/27/23 12:07	1

Lab Sample ID: LCS 480-662846/6

Matrix: Water

Analysis Batch: 662846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.1		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.7		ug/L		91	61 - 148
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	24.7		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	24.1		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	23.9		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.8		ug/L		95	56 - 134
1,2-Dibromoethane	25.0	25.0		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	25.3		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	23.9		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 120
2-Butanone (MEK)	125	148		ug/L		118	57 - 140

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QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

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

Lab Sample ID: LCS 480-662846/6

Matrix: Water

Analysis Batch: 662846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	125	117		ug/L		94	65 - 127
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	71 - 125
Acetone	125	175		ug/L		140	56 - 142
Benzene	25.0	25.1		ug/L		100	71 - 124
Bromodichloromethane	25.0	25.9		ug/L		104	80 - 122
Bromoform	25.0	30.1		ug/L		121	61 - 132
Bromomethane	25.0	25.7		ug/L		103	55 - 144
Carbon disulfide	25.0	23.8		ug/L		95	59 - 134
Carbon tetrachloride	25.0	28.9		ug/L		115	72 - 134
Chlorobenzene	25.0	24.6		ug/L		98	80 - 120
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	20.7		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Cyclohexane	25.0	23.1		ug/L		92	59 - 135
Dibromochloromethane	25.0	27.3		ug/L		109	75 - 125
Dichlorodifluoromethane	25.0	21.3		ug/L		85	59 - 135
Ethylbenzene	25.0	23.5		ug/L		94	77 - 123
Isopropylbenzene	25.0	23.2		ug/L		93	77 - 122
Methyl acetate	50.0	59.6		ug/L		119	74 - 133
Methyl tert-butyl ether	25.0	25.6		ug/L		103	77 - 120
Methylcyclohexane	25.0	23.6		ug/L		94	68 - 134
Methylene Chloride	25.0	23.4		ug/L		94	75 - 124
Styrene	25.0	24.2		ug/L		97	80 - 120
Tetrachloroethene	25.0	26.9		ug/L		107	74 - 122
Toluene	25.0	23.6		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	25.1		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	24.5		ug/L		98	80 - 120
Trichloroethene	25.0	25.8		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	24.2		ug/L		97	62 - 150
Vinyl chloride	25.0	24.1		ug/L		96	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Dibromofluoromethane (Surr)	108		75 - 123
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: 480-207164-1 MS

Matrix: Water

Analysis Batch: 662846

Client Sample ID: BR09-37

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		10000	10800		ug/L		108	73 - 126
1,1,1,2,2-Tetrachloroethane	ND		10000	8450		ug/L		85	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10000	10400		ug/L		104	61 - 148
1,1,2-Trichloroethane	ND		10000	8820		ug/L		88	76 - 122

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QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

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

Lab Sample ID: 480-207164-1 MS

Matrix: Water

Analysis Batch: 662846

Client Sample ID: BR09-37

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	ND		10000	10300		ug/L		103	77 - 120
1,1-Dichloroethene	ND		10000	10200		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	ND		10000	9230		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	ND		10000	8750		ug/L		87	56 - 134
1,2-Dibromoethane	ND		10000	9560		ug/L		96	77 - 120
1,2-Dichlorobenzene	ND		10000	9320		ug/L		93	80 - 124
1,2-Dichloroethane	ND		10000	10200		ug/L		102	75 - 120
1,2-Dichloropropane	ND		10000	10200		ug/L		102	76 - 120
1,3-Dichlorobenzene	ND		10000	9400		ug/L		94	77 - 120
1,4-Dichlorobenzene	ND		10000	9180		ug/L		92	78 - 124
2-Butanone (MEK)	ND		50000	55600		ug/L		111	57 - 140
2-Hexanone	ND		50000	43200		ug/L		86	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		50000	44600		ug/L		89	71 - 125
Acetone	ND		50000	67100		ug/L		134	56 - 142
Benzene	ND		10000	10200		ug/L		102	71 - 124
Bromodichloromethane	ND		10000	10200		ug/L		102	80 - 122
Bromoform	ND		10000	10900		ug/L		109	61 - 132
Bromomethane	ND		10000	10100		ug/L		101	55 - 144
Carbon disulfide	ND		10000	9730		ug/L		97	59 - 134
Carbon tetrachloride	ND		10000	11800		ug/L		118	72 - 134
Chlorobenzene	ND		10000	9690		ug/L		97	80 - 120
Chloroethane	ND		10000	9620		ug/L		96	69 - 136
Chloroform	ND		10000	9750		ug/L		97	73 - 127
Chloromethane	ND		10000	8680		ug/L		87	68 - 124
cis-1,2-Dichloroethene	1400		10000	11600		ug/L		102	74 - 124
cis-1,3-Dichloropropene	ND		10000	10200		ug/L		102	74 - 124
Cyclohexane	ND		10000	11000		ug/L		110	59 - 135
Dibromochloromethane	ND		10000	10500		ug/L		105	75 - 125
Dichlorodifluoromethane	ND		10000	11000		ug/L		110	59 - 135
Ethylbenzene	ND		10000	9180		ug/L		92	77 - 123
Isopropylbenzene	ND		10000	9160		ug/L		92	77 - 122
Methyl acetate	ND		20000	22700		ug/L		114	74 - 133
Methyl tert-butyl ether	ND		10000	10200		ug/L		102	77 - 120
Methylcyclohexane	ND		10000	11300		ug/L		113	68 - 134
Methylene Chloride	ND		10000	9720		ug/L		97	75 - 124
Styrene	ND		10000	9350		ug/L		94	80 - 120
Tetrachloroethene	ND		10000	10600		ug/L		106	74 - 122
Toluene	ND		10000	9310		ug/L		93	80 - 122
trans-1,2-Dichloroethene	ND		10000	10500		ug/L		105	73 - 127
trans-1,3-Dichloropropene	ND		10000	9090		ug/L		91	80 - 120
Trichloroethene	13000		10000	23600		ug/L		102	74 - 123
Trichlorofluoromethane	ND		10000	10600		ug/L		106	62 - 150
Vinyl chloride	ND		10000	9710		ug/L		97	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		77 - 120
4-Bromofluorobenzene (Surr)	109		73 - 120
Dibromofluoromethane (Surr)	113		75 - 123

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QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

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

Lab Sample ID: 480-207164-1 MS

Matrix: Water

Analysis Batch: 662846

Client Sample ID: BR09-37

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: 480-207164-1 MSD

Matrix: Water

Analysis Batch: 662846

Client Sample ID: BR09-37

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		10000	10600		ug/L		106	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		10000	8580		ug/L		86	76 - 120	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10000	10800		ug/L		108	61 - 148	4	20
1,1,2-Trichloroethane	ND		10000	9380		ug/L		94	76 - 122	6	15
1,1-Dichloroethane	ND		10000	10100		ug/L		101	77 - 120	2	20
1,1-Dichloroethene	ND		10000	10100		ug/L		101	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		10000	9080		ug/L		91	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		10000	8810		ug/L		88	56 - 134	1	15
1,2-Dibromoethane	ND		10000	10100		ug/L		101	77 - 120	6	15
1,2-Dichlorobenzene	ND		10000	9360		ug/L		94	80 - 124	0	20
1,2-Dichloroethane	ND		10000	10300		ug/L		103	75 - 120	1	20
1,2-Dichloropropane	ND		10000	10300		ug/L		103	76 - 120	1	20
1,3-Dichlorobenzene	ND		10000	9730		ug/L		97	77 - 120	3	20
1,4-Dichlorobenzene	ND		10000	9480		ug/L		95	78 - 124	3	20
2-Butanone (MEK)	ND		50000	60000		ug/L		120	57 - 140	8	20
2-Hexanone	ND		50000	46600		ug/L		93	65 - 127	7	15
4-Methyl-2-pentanone (MIBK)	ND		50000	46900		ug/L		94	71 - 125	5	35
Acetone	ND		50000	71000		ug/L		142	56 - 142	6	15
Benzene	ND		10000	10400		ug/L		104	71 - 124	2	13
Bromodichloromethane	ND		10000	10500		ug/L		105	80 - 122	2	15
Bromoform	ND		10000	11600		ug/L		116	61 - 132	6	15
Bromomethane	ND		10000	9790		ug/L		98	55 - 144	3	15
Carbon disulfide	ND		10000	9010		ug/L		90	59 - 134	8	15
Carbon tetrachloride	ND		10000	12000		ug/L		120	72 - 134	2	15
Chlorobenzene	ND		10000	10200		ug/L		102	80 - 120	5	25
Chloroethane	ND		10000	9610		ug/L		96	69 - 136	0	15
Chloroform	ND		10000	9540		ug/L		95	73 - 127	2	20
Chloromethane	ND		10000	8710		ug/L		87	68 - 124	0	15
cis-1,2-Dichloroethene	1400		10000	11600		ug/L		102	74 - 124	0	15
cis-1,3-Dichloropropene	ND		10000	10400		ug/L		104	74 - 124	2	15
Cyclohexane	ND		10000	10900		ug/L		109	59 - 135	1	20
Dibromochloromethane	ND		10000	10700		ug/L		107	75 - 125	3	15
Dichlorodifluoromethane	ND		10000	10600		ug/L		106	59 - 135	3	20
Ethylbenzene	ND		10000	9660		ug/L		97	77 - 123	5	15
Isopropylbenzene	ND		10000	9400		ug/L		94	77 - 122	3	20
Methyl acetate	ND		20000	23500		ug/L		117	74 - 133	3	20
Methyl tert-butyl ether	ND		10000	10100		ug/L		101	77 - 120	2	37
Methylcyclohexane	ND		10000	11500		ug/L		115	68 - 134	2	20
Methylene Chloride	ND		10000	9590		ug/L		96	75 - 124	1	15
Styrene	ND		10000	9820		ug/L		98	80 - 120	5	20
Tetrachloroethene	ND		10000	11100		ug/L		111	74 - 122	5	20

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QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

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

Lab Sample ID: 480-207164-1 MSD

Matrix: Water

Analysis Batch: 662846

Client Sample ID: BR09-37

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	ND		10000	9780		ug/L		98	80 - 122	5	15
trans-1,2-Dichloroethene	ND		10000	10200		ug/L		102	73 - 127	3	20
trans-1,3-Dichloropropene	ND		10000	9430		ug/L		94	80 - 120	4	15
Trichloroethene	13000		10000	24100		ug/L		107	74 - 123	2	16
Trichlorofluoromethane	ND		10000	10400		ug/L		104	62 - 150	2	20
Vinyl chloride	ND		10000	9620		ug/L		96	65 - 133	1	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	110		73 - 120
Dibromofluoromethane (Surr)	108		75 - 123
Toluene-d8 (Surr)	97		80 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-662604/1-A

Matrix: Water

Analysis Batch: 662898

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 662604

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		03/24/23 08:14	03/25/23 02:23	1
Manganese	ND		0.0030	0.00040	mg/L		03/24/23 08:14	03/25/23 02:23	1

Lab Sample ID: LCS 480-662604/2-A

Matrix: Water

Analysis Batch: 662898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 662604

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.0	10.96		mg/L		109	80 - 120
Manganese	0.200	0.215		mg/L		108	80 - 120

Lab Sample ID: MB 480-662734/1-C

Matrix: Water

Analysis Batch: 663013

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 662745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		03/27/23 08:37	03/27/23 21:27	1
Manganese	ND		0.0030	0.00040	mg/L		03/27/23 08:37	03/27/23 21:27	1

Lab Sample ID: LCS 480-662734/2-C

Matrix: Water

Analysis Batch: 663013

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 662745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.0	10.34		mg/L		103	80 - 120
Manganese	0.200	0.214		mg/L		107	80 - 120

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QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-207164-4 MS

Matrix: Water

Analysis Batch: 663013

Client Sample ID: BR10-47

Prep Type: Dissolved

Prep Batch: 662745

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	ND		10.0	10.13		mg/L		101	75 - 125
Manganese	0.15		0.200	0.360		mg/L		104	75 - 125

Lab Sample ID: 480-207164-4 MSD

Matrix: Water

Analysis Batch: 663013

Client Sample ID: BR10-47

Prep Type: Dissolved

Prep Batch: 662745

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	ND		10.0	10.11		mg/L		101	75 - 125	0	20
Manganese	0.15		0.200	0.359		mg/L		103	75 - 125	0	20

Method: 410.4 - COD

Lab Sample ID: MB 480-663227/28

Matrix: Water

Analysis Batch: 663227

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			03/28/23 19:22	1

Lab Sample ID: MB 480-663227/4

Matrix: Water

Analysis Batch: 663227

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			03/28/23 18:17	1

Lab Sample ID: LCS 480-663227/29

Matrix: Water

Analysis Batch: 663227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	25.0	24.29		mg/L		97	90 - 110

Lab Sample ID: LCS 480-663227/5

Matrix: Water

Analysis Batch: 663227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	25.0	23.94		mg/L		96	90 - 110

Lab Sample ID: MB 480-664001/28

Matrix: Water

Analysis Batch: 664001

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			04/04/23 17:07	1

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QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Method: 410.4 - COD (Continued)

Lab Sample ID: MB 480-664001/4

Matrix: Water

Analysis Batch: 664001

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			04/04/23 16:02	1

Lab Sample ID: LCS 480-664001/29

Matrix: Water

Analysis Batch: 664001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	25.0	23.87		mg/L		95	90 - 110

Lab Sample ID: LCS 480-664001/5

Matrix: Water

Analysis Batch: 664001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	25.0	22.96		mg/L		92	90 - 110

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-663690/32

Matrix: Water

Analysis Batch: 663690

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Quad	ND		1.0	0.43	mg/L			04/01/23 04:15	1

Lab Sample ID: MB 480-663690/56

Matrix: Water

Analysis Batch: 663690

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Quad	ND		1.0	0.43	mg/L			04/01/23 15:41	1

Lab Sample ID: LCS 480-663690/33

Matrix: Water

Analysis Batch: 663690

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Quad	60.0	62.68		mg/L		104	90 - 110

Lab Sample ID: LCS 480-663690/57

Matrix: Water

Analysis Batch: 663690

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Quad	60.0	61.86		mg/L		103	90 - 110

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QC Sample Results

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 480-207164-5 MS

Matrix: Water

Analysis Batch: 663690

Client Sample ID: IW2-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Quad	1.5		23.3	27.41		mg/L		111	54 - 131

Lab Sample ID: 480-207164-6 DU

Matrix: Water

Analysis Batch: 663690

Client Sample ID: IW2-3

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon - Quad	1.6		1.53		mg/L		2	20

QC Association Summary

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

GC/MS VOA

Analysis Batch: 662666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-2	BR09-39	Total/NA	Water	8260C	
480-207164-3	BR10-46	Total/NA	Water	8260C	
480-207164-4	BR10-47	Total/NA	Water	8260C	
480-207164-5	IW2-1	Total/NA	Water	8260C	
480-207164-6	IW2-3	Total/NA	Water	8260C	
480-207164-8	OW1-4	Total/NA	Water	8260C	
MB 480-662666/8	Method Blank	Total/NA	Water	8260C	
LCS 480-662666/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 662846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-1	BR09-37	Total/NA	Water	8260C	
480-207164-3 - DL	BR10-46	Total/NA	Water	8260C	
480-207164-4 - DL	BR10-47	Total/NA	Water	8260C	
480-207164-5 - DL	IW2-1	Total/NA	Water	8260C	
480-207164-6 - DL	IW2-3	Total/NA	Water	8260C	
480-207164-7	OW1-1	Total/NA	Water	8260C	
MB 480-662846/8	Method Blank	Total/NA	Water	8260C	
LCS 480-662846/6	Lab Control Sample	Total/NA	Water	8260C	
480-207164-1 MS	BR09-37	Total/NA	Water	8260C	
480-207164-1 MSD	BR09-37	Total/NA	Water	8260C	

Metals

Prep Batch: 662604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-1	BR09-37	Total/NA	Water	3005A	
480-207164-2	BR09-39	Total/NA	Water	3005A	
480-207164-3	BR10-46	Total/NA	Water	3005A	
480-207164-4	BR10-47	Total/NA	Water	3005A	
480-207164-5	IW2-1	Total/NA	Water	3005A	
480-207164-6	IW2-3	Total/NA	Water	3005A	
480-207164-7	OW1-1	Total/NA	Water	3005A	
480-207164-8	OW1-4	Total/NA	Water	3005A	
MB 480-662604/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-662604/2-A	Lab Control Sample	Total/NA	Water	3005A	

Filtration Batch: 662734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-4	BR10-47	Dissolved	Water	FILTRATION	
MB 480-662734/1-C	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-662734/2-C	Lab Control Sample	Dissolved	Water	FILTRATION	
480-207164-4 MS	BR10-47	Dissolved	Water	FILTRATION	
480-207164-4 MSD	BR10-47	Dissolved	Water	FILTRATION	

Prep Batch: 662745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-4	BR10-47	Dissolved	Water	3005A	662734
MB 480-662734/1-C	Method Blank	Dissolved	Water	3005A	662734
LCS 480-662734/2-C	Lab Control Sample	Dissolved	Water	3005A	662734
480-207164-4 MS	BR10-47	Dissolved	Water	3005A	662734

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QC Association Summary

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Metals (Continued)

Prep Batch: 662745 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-4 MSD	BR10-47	Dissolved	Water	3005A	662734

Analysis Batch: 662898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-1	BR09-37	Total/NA	Water	6010C	662604
480-207164-2	BR09-39	Total/NA	Water	6010C	662604
480-207164-3	BR10-46	Total/NA	Water	6010C	662604
480-207164-4	BR10-47	Total/NA	Water	6010C	662604
480-207164-5	IW2-1	Total/NA	Water	6010C	662604
480-207164-6	IW2-3	Total/NA	Water	6010C	662604
480-207164-7	OW1-1	Total/NA	Water	6010C	662604
480-207164-8	OW1-4	Total/NA	Water	6010C	662604
MB 480-662604/1-A	Method Blank	Total/NA	Water	6010C	662604
LCS 480-662604/2-A	Lab Control Sample	Total/NA	Water	6010C	662604

Analysis Batch: 663013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-4	BR10-47	Dissolved	Water	6010C	662745
MB 480-662734/1-C	Method Blank	Dissolved	Water	6010C	662745
LCS 480-662734/2-C	Lab Control Sample	Dissolved	Water	6010C	662745
480-207164-4 MS	BR10-47	Dissolved	Water	6010C	662745
480-207164-4 MSD	BR10-47	Dissolved	Water	6010C	662745

General Chemistry

Analysis Batch: 662644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-1	BR09-37	Total/NA	Water	Nitrate by calc	
480-207164-2	BR09-39	Total/NA	Water	Nitrate by calc	
480-207164-3	BR10-46	Total/NA	Water	Nitrate by calc	
480-207164-4	BR10-47	Total/NA	Water	Nitrate by calc	
480-207164-5	IW2-1	Total/NA	Water	Nitrate by calc	
480-207164-6	IW2-3	Total/NA	Water	Nitrate by calc	
480-207164-7	OW1-1	Total/NA	Water	Nitrate by calc	
480-207164-8	OW1-4	Total/NA	Water	Nitrate by calc	

Analysis Batch: 663227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-1	BR09-37	Total/NA	Water	410.4	
480-207164-2	BR09-39	Total/NA	Water	410.4	
480-207164-3	BR10-46	Total/NA	Water	410.4	
480-207164-4	BR10-47	Total/NA	Water	410.4	
480-207164-5	IW2-1	Total/NA	Water	410.4	
MB 480-663227/28	Method Blank	Total/NA	Water	410.4	
MB 480-663227/4	Method Blank	Total/NA	Water	410.4	
LCS 480-663227/29	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-663227/5	Lab Control Sample	Total/NA	Water	410.4	

Analysis Batch: 663690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-1	BR09-37	Total/NA	Water	9060A	

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QC Association Summary

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

General Chemistry (Continued)

Analysis Batch: 663690 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-2	BR09-39	Total/NA	Water	9060A	
480-207164-3	BR10-46	Total/NA	Water	9060A	
480-207164-4	BR10-47	Total/NA	Water	9060A	
480-207164-5	IW2-1	Total/NA	Water	9060A	
480-207164-6	IW2-3	Total/NA	Water	9060A	
480-207164-7	OW1-1	Total/NA	Water	9060A	
480-207164-8	OW1-4	Total/NA	Water	9060A	
MB 480-663690/32	Method Blank	Total/NA	Water	9060A	
MB 480-663690/56	Method Blank	Total/NA	Water	9060A	
LCS 480-663690/33	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-663690/57	Lab Control Sample	Total/NA	Water	9060A	
480-207164-5 MS	IW2-1	Total/NA	Water	9060A	
480-207164-6 DU	IW2-3	Total/NA	Water	9060A	

Analysis Batch: 664001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207164-6	IW2-3	Total/NA	Water	410.4	
480-207164-7	OW1-1	Total/NA	Water	410.4	
480-207164-8	OW1-4	Total/NA	Water	410.4	
MB 480-664001/28	Method Blank	Total/NA	Water	410.4	
MB 480-664001/4	Method Blank	Total/NA	Water	410.4	
LCS 480-664001/29	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-664001/5	Lab Control Sample	Total/NA	Water	410.4	

Lab Chronicle

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: BR09-37

Date Collected: 03/22/23 13:10

Date Received: 03/23/23 10:00

Lab Sample ID: 480-207164-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		400	662846	CB	EET BUF	03/27/23 12:43
Total/NA	Prep	3005A			662604	NVK	EET BUF	03/24/23 08:14
Total/NA	Analysis	6010C		1	662898	LMH	EET BUF	03/25/23 03:48
Total/NA	Analysis	410.4		1	663227	EV	EET BUF	03/28/23 19:38
Total/NA	Analysis	9060A		1	663690	RJS	EET BUF	04/01/23 12:48
Total/NA	Analysis	Nitrate by calc		1	662644	KMF	EET BUF	03/23/23 20:11

Client Sample ID: BR09-39

Date Collected: 03/22/23 12:35

Date Received: 03/23/23 10:00

Lab Sample ID: 480-207164-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	662666	CB	EET BUF	03/24/23 16:27
Total/NA	Prep	3005A			662604	NVK	EET BUF	03/24/23 08:14
Total/NA	Analysis	6010C		1	662898	LMH	EET BUF	03/25/23 03:52
Total/NA	Analysis	410.4		1	663227	EV	EET BUF	03/28/23 19:41
Total/NA	Analysis	9060A		1	663690	RJS	EET BUF	04/01/23 13:17
Total/NA	Analysis	Nitrate by calc		1	662644	KMF	EET BUF	03/23/23 20:11

Client Sample ID: BR10-46

Date Collected: 03/22/23 11:25

Date Received: 03/23/23 10:00

Lab Sample ID: 480-207164-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	662666	CB	EET BUF	03/24/23 16:51
Total/NA	Analysis	8260C	DL	100	662846	CB	EET BUF	03/27/23 13:08
Total/NA	Prep	3005A			662604	NVK	EET BUF	03/24/23 08:14
Total/NA	Analysis	6010C		1	662898	LMH	EET BUF	03/25/23 03:56
Total/NA	Analysis	410.4		1	663227	EV	EET BUF	03/28/23 19:44
Total/NA	Analysis	9060A		1	663690	RJS	EET BUF	04/01/23 13:45
Total/NA	Analysis	Nitrate by calc		1	662644	KMF	EET BUF	03/23/23 20:11

Client Sample ID: BR10-47

Date Collected: 03/22/23 10:45

Date Received: 03/23/23 10:00

Lab Sample ID: 480-207164-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	662666	CB	EET BUF	03/24/23 17:15
Total/NA	Analysis	8260C	DL	40	662846	CB	EET BUF	03/27/23 13:32
Dissolved	Filtration	FILTRATION			662734	NVK	EET BUF	03/24/23 10:44
Dissolved	Prep	3005A			662745	NVK	EET BUF	03/27/23 08:37
Dissolved	Analysis	6010C		1	663013	LMH	EET BUF	03/27/23 21:34
Total/NA	Prep	3005A			662604	NVK	EET BUF	03/24/23 08:14
Total/NA	Analysis	6010C		1	662898	LMH	EET BUF	03/25/23 04:00

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Lab Chronicle

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: BR10-47

Date Collected: 03/22/23 10:45

Date Received: 03/23/23 10:00

Lab Sample ID: 480-207164-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	410.4		1	663227	EV	EET BUF	03/28/23 19:47
Total/NA	Analysis	9060A		1	663690	RJS	EET BUF	04/01/23 14:13
Total/NA	Analysis	Nitrate by calc		1	662644	KMF	EET BUF	03/23/23 20:11

Client Sample ID: IW2-1

Date Collected: 03/22/23 10:05

Date Received: 03/23/23 10:00

Lab Sample ID: 480-207164-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8	662666	CB	EET BUF	03/24/23 17:39
Total/NA	Analysis	8260C	DL	20	662846	CB	EET BUF	03/27/23 13:56
Total/NA	Prep	3005A			662604	NVK	EET BUF	03/24/23 08:14
Total/NA	Analysis	6010C		1	662898	LMH	EET BUF	03/25/23 04:04
Total/NA	Analysis	410.4		1	663227	EV	EET BUF	03/28/23 19:49
Total/NA	Analysis	9060A		1	663690	RJS	EET BUF	04/01/23 17:05
Total/NA	Analysis	Nitrate by calc		1	662644	KMF	EET BUF	03/23/23 20:11

Client Sample ID: IW2-3

Date Collected: 03/22/23 09:05

Date Received: 03/23/23 10:00

Lab Sample ID: 480-207164-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	662666	CB	EET BUF	03/24/23 18:03
Total/NA	Analysis	8260C	DL	40	662846	CB	EET BUF	03/27/23 14:21
Total/NA	Prep	3005A			662604	NVK	EET BUF	03/24/23 08:14
Total/NA	Analysis	6010C		1	662898	LMH	EET BUF	03/25/23 04:08
Total/NA	Analysis	410.4		1	664001	EV	EET BUF	04/04/23 16:26
Total/NA	Analysis	9060A		1	663690	RJS	EET BUF	04/01/23 18:02
Total/NA	Analysis	Nitrate by calc		1	662644	KMF	EET BUF	03/23/23 20:11

Client Sample ID: OW1-1

Date Collected: 03/22/23 15:00

Date Received: 03/23/23 10:00

Lab Sample ID: 480-207164-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	662846	CB	EET BUF	03/27/23 14:45
Total/NA	Prep	3005A			662604	NVK	EET BUF	03/24/23 08:14
Total/NA	Analysis	6010C		1	662898	LMH	EET BUF	03/25/23 04:13
Total/NA	Analysis	410.4		1	664001	EV	EET BUF	04/04/23 16:21
Total/NA	Analysis	9060A		1	663690	RJS	EET BUF	04/01/23 18:31
Total/NA	Analysis	Nitrate by calc		1	662644	KMF	EET BUF	03/23/23 20:11

Lab Chronicle

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Client Sample ID: OW1-4

Date Collected: 03/22/23 14:04

Date Received: 03/23/23 10:00

Lab Sample ID: 480-207164-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	662666	CB	EET BUF	03/24/23 18:52
Total/NA	Prep	3005A			662604	NVK	EET BUF	03/24/23 08:14
Total/NA	Analysis	6010C		1	662898	LMH	EET BUF	03/25/23 04:28
Total/NA	Analysis	410.4		1	664001	EV	EET BUF	04/04/23 16:23
Total/NA	Analysis	9060A		1	663690	RJS	EET BUF	04/01/23 18:59
Total/NA	Analysis	Nitrate by calc		1	662644	KMF	EET BUF	03/23/23 20:11

Laboratory References:

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

Accreditation/Certification Summary

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
410.4	COD	EPA	EET BUF
9060A	Organic Carbon, Total (TOC)	SW846	EET BUF
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
FILTRATION	Sample Filtration	None	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

None = None

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:

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

Sample Summary

Client: Geologic NY Inc
Project/Site: Pass & Seymour Site - 222025

Job ID: 480-207164-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-207164-1	BR09-37	Water	03/22/23 13:10	03/23/23 10:00
480-207164-2	BR09-39	Water	03/22/23 12:35	03/23/23 10:00
480-207164-3	BR10-46	Water	03/22/23 11:25	03/23/23 10:00
480-207164-4	BR10-47	Water	03/22/23 10:45	03/23/23 10:00
480-207164-5	IW2-1	Water	03/22/23 10:05	03/23/23 10:00
480-207164-6	IW2-3	Water	03/22/23 09:05	03/23/23 10:00
480-207164-7	OW1-1	Water	03/22/23 15:00	03/23/23 10:00
480-207164-8	OW1-4	Water	03/22/23 14:04	03/23/23 10:00

Login Sample Receipt Checklist

Client: Geologic NY Inc

Job Number: 480-207164-1

Login Number: 207164

List Number: 1

Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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