GeoLogic NY, P.C.
P. O. Box 350 • 37 Copeland Ave. • Homer, NY 13077 • 607-749-5000

November 18, 2022

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

Reference Quarterly Monitoring Report – 3rd Quarter 2022
Pass & Seymour
50 Boyd Avenue, Solvay, New York
NYSDEC Site No. C734102

Dear Mr. Belveg:

Introduction

This report summarizes the 3rd Quarter 2022 groundwater monitoring event completed on September 29 and 30, 2022 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 3rd Quarter 2022 groundwater monitoring event included sampling the following eighteen (18) monitoring wells:

- BR07-31;
- BR08-33;
- BR08-35;
- BR09-39;
- BR10-47;
- IW2-3;
- MW05-21;
- OB09-38;
- OW1-4;
- BR07-32;
- BR08-34;
- BR09-37;
- BR10-46;
- IW2-1;
- MW05-10;
- OB09-36;
- OW1-1;
- OW2-2.

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.

3rd Quarter 2022 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 1st Quarter 2023 and will include the collection of groundwater samples from eight monitoring wells.

The next Periodic Review Report (PRR) for the Site will cover the period between January 15, 2022 to January 15, 2023. We anticipate submitting the PRR to the Department in March 2023.

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

Respectfully submitted,

GeoLogic NY, P.C.

Christopher T. Gabriel
Environmental Scientist

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

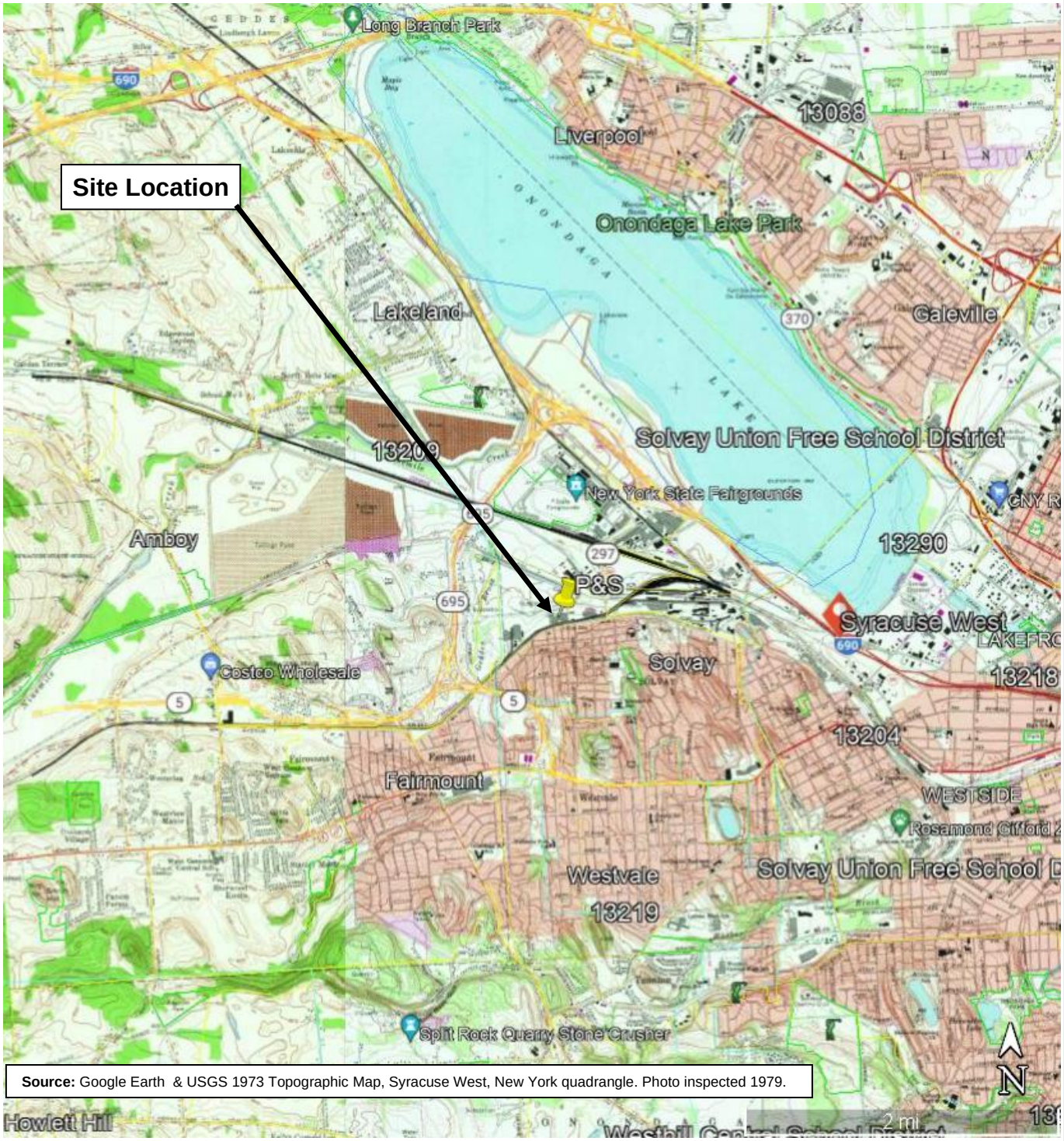
Enc.:

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
File: P:\PROJECTS\2022\222025 - Pass & Seymour\REPORT\2022 3rd Quarter Report\Quarterly Monitoring Report Site No C734102 - November 2022.docx

APPENDIX A

DRAWINGS



Source: Google Earth & USGS 1973 Topographic Map, Syracuse West, New York quadrangle. Photo inspected 1979.

N

Project North

GeoLogic

GeoLogic NY, PC, Homer, New York

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

DRAWN BY:	SCALE:	PROJECT NO:
CTG	Approx. as shown	222025
REVIEWED BY:	DATE:	DRAWING NO:
FCE	SEPT. 2022	1

P:\PROJECTS\2022\222025 - Pass & Seymour\REPORT\2022 3rd Quarter Report\Drawing No. 1 Site Location Plan.docx

Legend:

- Monitoring Well Location
- BR10-46 Monitoring Well Identification
- AOC 1 Monitoring Well
- AOC 2 Monitoring Well

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

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

BR08-34	Pre-ISCO	Sep-22
cVOCs		ND

BR08-33	Pre-ISCO	Sep-22
cVOCs		ND

BR08-35	Pre-ISCO	Sep-22
cVOCs		ND

BR10-47	Pre-ISCO	Sep-22
PCE	ND	ND
TCE	6,500	16
DCE	290	2.2

OB09-36	Pre-ISCO	Sep-22
PCE		ND
TCE	140	6.8
DCE	12	ND

BR10-46	Pre-ISCO	Sep-22
PCE	ND	0.37 J
TCE	9,500	150
DCE	560	18

OW1-4	Pre-ISCO	Sep-22
PCE		ND
TCE	320	700
DCE	13	36

OB09-38	Pre-ISCO	Sep-22
PCE		ND
TCE	49	22
DCE	8	5.7

BR09-39	Pre-ISCO	Sep-22
PCE	ND	3.5
TCE	290	200
DCE	12	12

MW05-10	Pre-ISCO	Sep-22
PCE		0.67 J
TCE	180	56
DCE	35	1.7

OW2-2	Pre-ISCO	Sep-22
PCE		ND
TCE	1,200	9.7
DCE	140	1.8

OW1-1	Pre-ISCO	Sep-22
PCE	34	3.0 J
TCE	2,700	240
DCE	470	8.3

BR07-31	Pre-ISCO	Sep-22
PCE		36
TCE		8.0
DCE		16

MW05-21	Pre-ISCO	Sep-22
PCE		19
TCE		2.2
DCE		1.4

BR09-37	Pre-ISCO	Sep-22
PCE		ND
TCE	78,000	100,000
DCE	ND	8,800

IW2-1	Pre-ISCO	Sep-22
PCE		ND
TCE	3,900	280
DCE	210	57

BR07-32	Pre-ISCO	Sep-22
PCE		ND
TCE		5.5
DCE		ND

IW2-3	Pre-ISCO	Sep-22
PCE		ND
TCE	6,000	25
DCE	370	1.3

BR08-35 BR08-33 BR08-34 BR10-47 OB09-36 BR10-46 OW1-4 OW2-2 IW2-3 OB09-38 IW2-1 BR09-37 OW1-1 MW05-10 BR09-39 Office Building Paved Parking Area Concrete Slab & Foundations BR07-32 BR07-31 MW05-21 Rt. 297 / Milton Ave.

Source: Figure 1 – Analytical Results for Chlorinated VOCs in Groundwater from "Quarterly Monitoring for Brownfield Site #C734102 by DW Stoner & Associates, LLC., dated December 29, 2021

SCALE IN FEET
27.5 0 55 110

SURVEY NOTE
BASED ON AFRICURE PREPARED BY S&A REDEVELOPMENT OF NORTH AMERICA DECEMBER 2011
THE BOUNDARY AND TOPOGRAPHIC MAPPING OF THIS SURVEY WAS PERFORMED BY DAVID W. HAVENS, L.S. 47416, LAST REVISED BY HAVENS ON JUNE 21, 1994.
DATUM CORRECTIONS AND MONITORING WELL LOCATIONS BY BRYANT ASSOCIATES, P.C. ARE AS SURVEYED ON NOVEMBER 8, 2005, and January 7, 2010.

N W E S

GeoLogic
GeoLogic NY, PC, Homer, New York

MONITORING WELL LOCATION PLAN & CVOC ANALYTICAL RESULTS SITE NO. C734102-PASS & SEYMOUR 50 BOYD AVE., SOLVAY, NEW YORK

DRAWN BY:	SCALE:	PROJECT NO:
CTG	Approx. as shown	222025
REVIEWED BY:	DATE:	DRAWING NO:
FCE	SEPT. 2022	2

FILE:P:\PROJECTS\2022\222025 - Pass & Seymour\REPORT\2022 3rd Quarter Report\Drawing No. 2 MW Location Plan & cVOC Results.docx

APPENDIX B

TABLES

Table No. 1
Groundwater Elevations

Pass and Seymour - Boyd Avenue Site
Site No. C734102

MONITORING WELL I.D.	Well Diameter (IN)	DATE	TOC REF. ELEVATION	TOC DEPTH TO WATER (FT)	GW ELEVATION	DEPTH OF WELL (FT)	1 WELL VOLUME (GAL.)	VOLUME PURGED (GAL.)
BR07-31	2	3/25/2022	410.18	NC				
		9/29/2022	410.18	7.81	402.37	20.0	2.0	6.0
BR07-32	2	3/25/2022	426.82	NC				
		9/28/2022	426.82	16.44	410.38	20.4	0.6	1.7
BR08-33	2	3/25/2022	408.11	NC				
		9/29/2022	408.11	8.97	399.14	42.6	5.4	Dry at 7.2
BR08-34	2	3/25/2022	408.96	NC				
		9/29/2022	408.96	8.49	400.47	43.0	5.5	Dry at 5.5
BR08-35	2	3/25/2022	408.35	NC				
		9/29/2022	408.35	9.78	398.57	32.5	3.6	Dry at 3.4
BR09-37	2	3/25/2022	417.85	16.72	401.13	25.0	1.3	4.5
		9/29/2022	417.85	17.78	400.07	24.5	1.1	3.3
BR09-39	2	3/25/2022	424.06	18.78	405.28	30.0	1.8	6.0
		9/29/2022	424.06	20.70	403.36	29.7	1.4	9.0
BR10-46	2	3/25/2022	417.10	11.53	405.57	25.5	2.2	7.2
		9/29/2022	417.10	12.90	404.20	27.8	2.4	7.2
BR10-47	2	3/25/2022	416.67	12.55	404.12	25.0	2.0	6.5
		9/29/2022	416.67	12.92	403.75	19.5	1.1	7.2
IW2-1	4	3/25/2022	418.25	16.92	401.33	35.0	11.9	36
		9/29/2022	418.25	18.17	400.08	34.5	10.8	32
IW2-3	4	3/25/2022	416.62	14.92	401.70	35.0	13.3	40
		9/28/2022	416.62	16.42	400.20	34.8	12.1	36
MW05-10	2	3/25/2022	403.89	NC				
		9/28/2022	403.89	15.46	388.43	19.4	0.6	2.0
MW05-21	2	3/25/2022	411.46	NC				
		9/29/2022	411.46	4.26	407.20	12.1	1.3	4.0

Table No. 1
Groundwater Elevations

Pass and Seymour - Boyd Avenue Site
Site No. C734102

MONITORING WELL I.D.	Well Diameter (IN)	DATE	TOC REF. ELEVATION	TOC DEPTH TO WATER (FT)	GW ELEVATION	DEPTH OF WELL (FT)	1 WELL VOLUME (GAL.)	VOLUME PURGED (GAL.)
OB09-36	2	3/25/2022	414.84	NC				
		9/29/2022	414.84	14.64	400.20	34.2	3.1	9.4
OB09-38	2	3/25/2022	416.68	NC				
		9/29/2022	416.68	16.87	399.81	31.7	2.4	7.2
OW1-1	2	3/25/2022	421.40	14.44	406.96	28.0	2.2	7.0
		9/28/2022	421.40	14.91	406.49	27.6	2.0	6.0
OW1-4	2	3/25/2022	419.90	16.17	403.73	28.0	1.9	6.0
		9/29/2022	419.90	18.46	401.44	28.3	1.6	4.7
OW2-2	2	3/25/2022	416.59	NC				
		9/29/2022	416.59	16.46	400.13	34.7	2.9	8.5

Notes:

NC = Not Collected. Well not included in 1st quarter sampling event.

TOC = Top of Casing GW = Groundwater NA = Not Applicable - Well Dry

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 utilizing dedicated bailers or submersible pump with new or dedicated polyethylene tubing.

Some wells purged dry, then allowed to recover and sampled within 24-hours.

Wells sampled utilizing dedicated bailers.

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)
BR07-31	3/25/2022	NC					
	9/29/2022	15.8	6.86	2.642	4.55	136.9	0.77
BR07-32	3/25/2022	NC					
	9/28/2022	14.6	7.30	0.983	2.66	15.9	4.83
BR08-33	3/25/2022	NC					
	9/29/2022	12.1	7.63	4.866	82.15	137.7	7.29
BR08-34	3/25/2022	NC					
	9/29/2022	12.0	7.84	3.409	65.31	72.7	4.85
BR08-35	3/25/2022	NC					
	9/29/2022	12.1	7.56	2.913	76.31	60.4	5.07
BR09-37	3/25/2022	11.53	7.08	2.33	10.1	80.6	9.64
	9/29/2022	13.5	7.01	1.992	0.87	94.0	1.19
BR09-39	3/25/2022	12.81	7.04	1.76	1.8	147	10.5
	9/29/2022	14.8	7.10	1.384	0.18	227.5	4.39
BR10-46	3/25/2022	11.35	7.39	1.13	14.8	85	14.68
	9/29/2022	16.3	7.00	2.514	0.92	18.9	2.10
BR10-47	3/25/2022	10.15	7.19	2.93	76.6	140	29.74
	9/29/2022	13.1	7.03	2.221	40.41	133.0	1.41
IW2-1	3/25/2022	12.79	7.18	2.82	5.2	50	12.09
	9/29/2022	13.2	7.00	2.563	6.15	-26.9	0.64
IW2-3	3/25/2022	12.70	7.2	1.96	8.7	184	21.75
	9/28/2022	12.9	7.00	3.333	-0.25 (?)	118.2	0.66

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)
MW05-10	3/25/2022	NC					
	9/28/2022	15.2	7.13	2.975	9.54	97.3	2.58
MW05-21	3/25/2022	NC					
	9/29/2022	16.4	6.89	2.014	32.65	147.5	2.52
OB09-36	3/25/2022	NC					
	9/29/2022	12.6	7.21	3.640	4.71	143.7	0.95
OB09-38	3/25/2022	NC					
	9/29/2022	13.2	6.97	2.778	4.42	98.0	1.08
OW1-1	3/25/2022	12.65	7.39	1.13	14.8	85	14.68
	9/28/2022	15.2	7.11	2.997	0.96	177.8	4.73
OW1-4	3/25/2022	12.18	6.98	1.02	16.8	84.6	30.07
	9/29/2022	16.1	6.96	1.223	0.49	10.6	2.84
OW2-2	3/25/2022	NC	NC	NC	NC	NC	NC
	9/29/2022	12.8	7.12	2.599	3.43	83.8	0.71

Notes:
NC = Not Collected. Well not included in 1st quater sampling event.
3-25-2022 field parameters collected utilizing Horiba U-52 rented from & calibrated by Pine Environmental.
9-29-2022 field parameters collected utilizing YSI Pro DDS rented from & calibrated by Pine Environmental.

Table No. 3
Summary of September 2022 Groundwater Analytical Results.

Pass and Seymour - Boyd Avenue Site
Site No. C734102

COMPOUND µg/L (ppb)	CLASS GA STANDARD	BR07-31	BR07-32	BR08-33	BR08-34	BR08-35	BR09-37	BR09-39	BR10-46	BR10-47	IW2-1	IW2-3	MW05-10	MW05-21	OB09-36	OB09-38	OW1-1	OW1-4	OW2-2
		September 29 & 30, 2022 Quarterly Groundwater Samples																	
		9/29/2022	9/29/2022	9/30/2022	9/30/2022	9/30/2022	9/30/2022	9/30/2022	9/30/2022	9/30/2022	9/30/2022	9/29/2022	9/29/2022	9/29/2022	9/29/2022	9/29/2022	9/29/2022	9/30/2022	9/30/2022
1,1,1-Trichloroethane	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,1,2,2-Tetrachloroethane	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,1,2-Trichloroethane	1	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,1-Dichloroethane	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,1-Dichloroethene	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	**120 J**	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,2,4-Trichlorobenzene	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,2-Dibromo-3-chloropropane	0.04	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,2-Dibromoethane (EDB)	6×10^{-4}	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,2-Dichlorobenzene	3	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,2-Dichloroethane	0.6	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,2-Dichloropropane	1	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,3-Dichlorobenzene	3	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
1,4-Dichlorobenzene	4	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
2-Butanone (MEK)	50	<10 ND	<10 ND	<20 ND	<10 ND	<10 ND	<2,000 ND	<10 ND	<10 ND	<10 ND	<80 ND	<10 ND	<10 ND	<10 ND	<10 ND	<10 ND	<50 ND	<200 ND	<10 ND
2-Hexanone	50	<5.0 ND	<5.0 ND	<10 ND	<5.0 ND	<5.0 ND	<1,000 ND	<5.0 ND	<5.0 ND	<5.0 ND	<40 ND	<5.0 ND	<5.0 ND	<5.0 ND	<5.0 ND	<5.0 ND	<25 ND	<100 ND	<5.0 ND
4-Methyl-2-pentanone (MIBK)	5	<5.0 ND	<5.0 ND	<10 ND	<5.0 ND	<5.0 ND	<1,000 ND	<5.0 ND	<5.0 ND	<5.0 ND	<40 ND	<5.0 ND	<5.0 ND	<5.0 ND	<5.0 ND	<5.0 ND	<25 ND	<100 ND	<5.0 ND
Acetone	50	7.2 J	<10 ND	<20 ND	3.3 J	<10.0 ND	<2,000 ND	<10 ND	4.6 J	3.4 J	<80 ND	<10 ND	<10 ND	<10 ND	4.4 J	3.4 J	<50 ND	<200 ND	7.1 J
Benzene	1	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Bromodichloromethane	50	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Bromoform	50	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Bromomethane	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Carbon disulfide	60	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Carbon tetrachloride	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Chlorobenzene	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Chloroethane	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Chloroform	7	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Chloromethane	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
cis-1,2-Dichloroethene (DCE)	5	**16**	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	**8,800**	**12**	**18**	2.2	**57**	1.3	1.7	1.4	<1.0 ND	**5.7**	**8.3**	**36**	1.8
cis-1,3-Dichloropropene	0.4	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Cyclohexane	None	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Dibromochloromethane	50	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Dichlorodifluoromethane	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Ethylbenzene	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Isopropylbenzene (Cumene)	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Methyl acetate	None	<2.5 ND	<2.5 ND	<5.0 ND	<2.5 ND	<2.5 ND	<500 ND	<2.5 ND	<2.5 ND	<2.5 ND	<20 ND	<2.5 ND	<2.5 ND	<2.5 ND	<2.5 ND	<2.5 ND	<13 ND	<50 ND	<2.5 ND
Methyl tert-butyl ether (MTBE)	10	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Methylcyclohexane	None	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Methylene Chloride	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Styrene	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Tetrachloroethene (PCE)	5	**36**	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	3.5	0.37 J	<1.0 ND	<8.0 ND	<1.0 ND	0.67 J	**19**	<1.0 ND	<1.0 ND	3.0 J	<20.0 ND	<1.0 ND
Toluene	5	<1.0 ND	<1.0 ND	<2.0 ND	0.67 J	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
trans-1,2-Dichloroethene	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
trans-1,3-Dichloropropene	0.4	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Trichloroethene (TCE)	5	**8.0**	**5.5**	<2.0 ND	<1.0 ND	<1.0 ND	**100,000**	**200**	**150**	**16**	**280**	**25**	**56**	2.2	**6.8**	**22.0**	**240**	**700**	**9.7**
Trichlorofluoromethane	5	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Vinyl Chloride (VC)	2	<1.0 ND	<1.0 ND	<2.0 ND	<1.0 ND	<1.0 ND	<200 ND	<1.0 ND	<1.0 ND	<1.0 ND	<8.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<1.0 ND	<5.0 ND	<20.0 ND	<1.0 ND
Xylenes (Total)	5	<2.0 ND	<2.0 ND	<4.0 ND	<2.0 ND	<2.0 ND	<400 ND	<2.0 ND	<2.0 ND	<2.0 ND	<16 ND	<2.0 ND	<2.0 ND	<2.0 ND	<2.0 ND	<2.0 ND	<10 ND	<40 ND	<2.0 ND
Total VOCs (µg/L)		**67.2**	**5.5**	**ND**	**3.97**	**ND**	**108,920**	**215.5**	**172.97**	**21.6**	**337.0**	**26.30**	**58.37**	**22.6**	**11.2**	**31.1**	**251.3**	**736.0**	**18.6**
Iron (Fe) **(mg/L)**	0.3	0.42	4.2	0.93	0.31	4.6	0.43	0.039 J	2.7	0.34	1.0	0.048 J	6.6	1.0	0.31	7.8	0.47	1.3	1.6
Manganese (Mn) **(mg/L)**	0.3	0.31 B	0.52 B	0.24 B	0.37 B	0.39 B	0.67 B	0.0034 B	1.0 B	1.6 B	0.22 B	0.042 B	0.078 B	0.42 B	0.35 B	1.6 B	0.053 B	0.11 B	2.2 B
Nitrate as N **(mg/L)**	10	15.9 H	2.3 H	0.74 H	0.16	1.2	0.86	3.0	0.19	4.5	0.37	4.9 H	2.0 H	66.0 H	2.9 H	0.27 H	4.4 H	2.2	3.5
COD **(mg/L)**	NA	9.7 J	17.3	23.2	41.0	<10.0 ND	20.1	<10.0 ND	48.6	13.5	5.5 J	<10.0 ND	9.7 J	22.9	9.0 J	77.1	10.0	<10.0 ND	87.9
TOC **(mg/L)**	250	2.4	1.3	0.47 J	13.10	<1.0 ND	1.9	1.1	11.8	0.95 J	0.99 J	1.4	1.1	6.7	3.6	1.5	1.7	1.7	10.8

Table No. 3
Summary of September 2022 Groundwater Analytical Results.

COMPOUND µg/L (ppb)	CLASS GA STANDARD	BR07-31	BR07-32	BR08-33	BR08-34	BR08-35	BR09-37	BR09-39	BR10-46	BR10-47	IW2-1	IW2-3	MW05-10	MW05-21	OB09-36	OB09-38	OW1-1	OW1-4	OW2-2
		9/29/2022	9/29/2022	9/30/2022	9/30/2022	9/30/2022	9/30/2022	9/30/2022	9/30/2022	9/30/2022	9/30/2022	9/29/2022	9/29/2022	9/29/2022	9/29/2022	9/29/2022	9/29/2022	9/30/2022	9/30/2022

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
TOC - Total Organic Carbon
NS - No Sample
IV - Insufficient Volume
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: BR07-31
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-29- 2022

from top of casing 2' stick up

TOC Depth of Well (ft.)	28	(or 20)								
TOC Depth to GW (ft.)	7.81									
Well Diameter (in.)	2									
1 Well Volume (gal.)	2	6								
Volume Purged (gal.)	0	1	2	3	4	5	6			
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	9:40	9:41	9:43	9:44	9:46	9:47	9:48			
Temperature (°C)	15.2	15.8	15.8	15.8	15.8	15.8	15.8			
Dissolved Oxygen (DO) (mg/L)	6.35	1.34	1.01	0.89	.84	0.80	0.77			
Conductivity (mS/cm)	1985	1938	2465	2537	2578	2545 25.14	2642			
pH	7.02	6.81	6.83	6.85	6.85	6.86	6.86			
Oxidation Reduction Potential (ORP) (mV)	132.4	136.7	136.7	136.6	136.5	136.7	136.9			
Turbidity (NTU)	2.57	2.81	2.76	3.01	3.45	3.93	4.55			
Salinity (ppt)	1.12	1.23	1.29	1.32	1.34	1.36	1.38			
OBSERVATIONS										
Color	clear	clear	clear	clear	clear	clear	clear			
Sheen or Odor	ND	NA	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 9-29-22	11:00									

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 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: BR07-32
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-28 – 2022

Needs Bailer & rope

TOC Depth of Well (ft.)	20	20.4								
TOC Depth to GW (ft.)	16.44									
Well Diameter (in.)	2									
1 Well Volume (gal.)	0.57	1.7								
Volume Purged (gal.)	0	~6	1.2	1.7						
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	1006	1008	10:10	10:12						
Temperature (°C)	14.9	15.1	14.6	14.6						
Dissolved Oxygen (DO) (mg/L)	5.30	4.64	4.92	4.83						
Conductivity (mS/cm)	857	888	943	983						
pH	7.43	7.33	7.29	7.30						
Oxidation Reduction Potential (ORP) (mV)	79.4	-58.3	-2.1	15.9						
Turbidity (NTU)	71.1	46.8	3.07	2.64						
Salinity (ppt)	0.43	0.44	0.47	~~0.46~~ 0.49						
OBSERVATIONS										
Color	Brown	Clear	"	"						
Sheen or Odor	NO	NO	"	"						
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2	
Time Sampled 9-29	1410									

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: BR08-33
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-29 2022

Needs new Rope + Bailer.
Purged dry

42.6

TOC Depth of Well (ft.)	42									
TOC Depth to GW (ft.)	8.97									
Well Diameter (in.)	2				DRY					
1 Well Volume (gal.)	5.4	16.1			7.2					
Volume Purged (gal.)	0	2	4	6	8	10	12	14	16	
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Pump			Bailer	Time					
	11:33	11:37	11:44	11:51	11:56					
Temperature (°C)	12.1	11.9	12.4	12.2	12.1					
Dissolved Oxygen (DO) (mg/L)	7.38	5.64	6.39	5.42	7.29					
Conductivity (mS/cm)	3034	3424	3794	4409	4866					
pH	7.63	7.10	6.98	7.31	7.63					
Oxidation Reduction Potential (ORP) (mV)	131.9	141.9	152.4	150.0	137.7					
Turbidity (NTU)	1.66	1.75	2.15	52.1	82.15					
Salinity (ppt)	1.63	1.82	2.02	2.38	2.64					
OBSERVATIONS										
Color	clear	clear	clear	cloudy	cloudy					
Sheen or Odor	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 9-30-22	10:50									

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: BR08-34
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9/29 2022

Bailed Needs pump

TOC Depth of Well (ft.)	(43)	(~~0~~ 42)								
TOC Depth to GW (ft.)	8.49									
Well Diameter (in.)	2				DRY					
1 Well Volume (gal.)	7.7	23								
Volume Purged (gal.)	0	2	3.5	5.0	5.5					
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	12:26	12:31	12:35	12:39	12:43					
Temperature (°C)	14.8	12.5	11.9	12.0	12.0					
Dissolved Oxygen (DO) (mg/L)	5.83	6.41	6.78	3.47	4.85					
Conductivity (mS/cm)	3227	4109	4101	4360	3409					
pH	7.29	7.44	7.52	7.78	7.84					
Oxidation Reduction Potential (ORP) (mV)	155.5	155.4	156.1	154.8	72.7					
Turbidity (NTU)	2.83	2.00	2.89	16.16	65.31					
Salinity (ppt)	2.18	2.18	2.19	2.34	2.44					
OBSERVATIONS										
Color										
Sheen or Odor										
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2	
Time Sampled 9-30-22	~~1040~~ 1120									

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: BR08-35
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-29 2022

TOC Depth of Well (ft.)	32.5	~~31~~								
TOC Depth to GW (ft.)	~~9.78~~									
Well Diameter (in.)	2									
1 Well Volume (gal.)	3.6	10.9		DRY						
Volume Purged (gal.)	0	1.5	3.0	3.4						
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	13:05	13:09	13:13	13:16						
Temperature (°C)	15.4	13.6	12.2	12.1						
Dissolved Oxygen (DO) (mg/L)	6.67	5.10	5.15	5.07						
Conductivity (mS/cm)	3442	3179	3058	2913						
pH	7.69	7.59	7.58	7.56						
Oxidation Reduction Potential (ORP) (mV)	115.2	119.3	122.2	60.4						
Turbidity (NTU)	22.69	8.94	29.41	76.31						
Salinity (ppt)	1.80	1.67	1.59	1.52						
OBSERVATIONS										
Color	clear	clear	clear	clear						
Sheen or Odor	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 9-30-22	11:45									

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 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: BR09-37
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-29-22 2022

Need new Bailer + Rope

TOC Depth of Well (ft.)	24.5	(or ~~24.28~~)								
TOC Depth to GW (ft.)	17.78									
Well Diameter (in.)	2									
1 Well Volume (gal.)	1.1	3.3								
Volume Purged (gal.)	0	1	2	3	3.3					
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	8:15	8:17	8:19	8:21	8:22					
Temperature (°C)	13.8	13.5	13.5	13.5	13.5					
Dissolved Oxygen (DO) (mg/L)	6.87	2.18	1.41	1.22	1.19					
Conductivity (mS/cm)	1677	1911	1963	1984	1992					
pH	7.33	7.00	6.97	7.00	7.01					
Oxidation Reduction Potential (ORP) (mV)	131.1	105.9	95.3	93.7	94.0					
Turbidity (NTU)	29.3	5.14	1.40	0.97	0.87					
Salinity (ppt)	0.91	0.98	1.01	1.02	1.02					
OBSERVATIONS										
Color	clear	clear	clear	clear	clear					
Sheen or Odor	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 9-30-22	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 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: BR09-39
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-30-2022

Can hear water running in well ∴ we maybe wrong obstruction

TOC Depth of Well (ft.)	32	~~29.70~~ (or 32.22)								
TOC Depth to GW (ft.)	20.7									
Well Diameter (in.)	2									
1 Well Volume (gal.)	3	9								
Volume Purged (gal.)	0	2	4	6	8	9				
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	17:09	17:13	17:18	17:23	17:28	17:34				
Temperature (°C)	14.7	14.8	14.8	14.8	14.8	14.8				
Dissolved Oxygen (DO) (mg/L)	5.52	4.51	4.43	4.40	4.39	4.39				
Conductivity (mS/cm)	1384	1389	1387	1386	1384	1384				
pH	7.20	7.10	7.10	7.10	7.10	7.10				
Oxidation Reduction Potential (ORP) (mV)	172.0	195.3	211.1	220.2	226.8	222.5 225.5				
Turbidity (NTU)	0.05	-0.07	-0.16	-0.18	-0.18	0.18				
Salinity (ppt)	.70	0.70	0.70	0.70	0.70	0.70				
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 9-30-22	9:40									

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): 9-29 2022

TOC Depth of Well (ft.)	27.8	(or 27)								
TOC Depth to GW (ft.)	12.9									
Well Diameter (in.)	2									
1 Well Volume (gal.)	2.4	7.2								
Volume Purged (gal.)	0	2	4	6	7.2					
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	17:53	17:56	17:59	18:02	18:04					
Temperature (°C)	14.6	16.4	16.4	16.3	16.3					
Dissolved Oxygen (DO) (mg/L)	5.68	6.53	3.84	2.32	2.10					
Conductivity (mS/cm)	5406	1107	2162	2449	2514					
pH	7.33	7.24	7.02	7.00	7.00					
Oxidation Reduction Potential (ORP) (mV)	-76.6	-15.7	31.1	25.0	18.9					
Turbidity (NTU)	136.9	23.40	1.84	1.61	0.92					
Salinity (ppt)	1.70	0.55	1.17	1.29	1.30					
OBSERVATIONS										
Color	Black	Tan cloudy	clear	clear	clear					
Sheen or Odor	H_2S	H_2S	~~yes~~ No	Sl H_2S	Sl H_2O					
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2	
Time Sampled 9-30-22	9:20									

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: BR10-47
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 2022

said there was something in well, I pushed it down to 19.5', weed mat? no CB LID

TOC Depth of Well (ft.)	28	14.65								
TOC Depth to GW (ft.)	12.92									
Well Diameter (in.)	2									
1 Well Volume (gal.)	2.4	7.2								
Volume Purged (gal.)	0	2	4	6	7.2					
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	18:22	18:25	18:28	18:31	18:33					
Temperature (°C)	14.1	13.4	13.1	13.1	13.1					
Dissolved Oxygen (DO) (mg/L)	7.72	3.90	1.89	1.46	1.41					
Conductivity (mS/cm)	2287	2352	2251	2206	2221					
pH	7.21	7.11	7.05	7.03	7.03					
Oxidation Reduction Potential (ORP) (mV)	142.5	141.7	139.8	133.9	133.0					
Turbidity (NTU)	30.33	5.60	19.43	34.25	40.41					
Salinity (ppt)	1.24	1.22	1.16	1.13	1.13					
OBSERVATIONS										
Color	Black/brown	clear	clear							
Sheen or Odor	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 9-30-22	9:00									

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 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: IW2-1
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 2022

TOC Depth of Well (ft.)	~~36~~ 34.5 (or ~~34.35~~)									
TOC Depth to GW (ft.)	18.17									
Well Diameter (in.)	4									
1 Well Volume (gal.)	10.6	31.8								
Volume Purged (gal.)	0	6	12	18	24	30	32			
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	14:57	15:06	15:15	15:22	15:29	15:36	15:39			
Temperature (°C)	13.4	13.3	13.2	13.2	13.2	13.2	13.2			
Dissolved Oxygen (DO) (mg/L)	2.52	0.81	0.69	0.66	0.65	0.64	0.64			
Conductivity (mS/cm)	2767	3180	3274	3297	3303	2562	2563			
pH	7.03	7.01	7.00	7.00	7.00	7.00	7.00			
Oxidation Reduction Potential (ORP) (mV)	113.6	10.8	-9.2	-23.9	-20.2	-26.4	-26.9			
Turbidity (NTU)	1.21	1.43	2.19	3.72	4.52	5.96	6.15			
Salinity (ppt)	1.45	1.68	1.73	1.74	1.74	1.74	1.74			
OBSERVATIONS										
Color	clear	clear	clear	clear	clear	clear	clear			
Sheen or Odor	ND	ND	ND	ND	ND	ND	ND			
LABORATORY ANALYSIS	VOCs by 8260B		Fe&Mn by 6010C		COD by 410.4		TOC by 9060A		Nitrate by 353.2	
Time Sampled 9-30-22	8:30									

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: IW2-3
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-28 - 34.80 2022

TOC Depth of Well (ft.)	~~35.61~~	(or ~~34.60~~)								
TOC Depth to GW (ft.)	16.42									
Well Diameter (in.)	4									
1 Well Volume (gal.)	12	36								
Volume Purged (gal.)	0	6	12	18	24	30	36			
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	13:42	13:54	14:04	14:14	14:24	14:35	14:45			
Temperature (°C)	13.2	12.9	12.9	12.9	12.8	12.9	12.9			
Dissolved Oxygen (DO) (mg/L)	4.63	0.83	0.73	0.70	0.68	0.66	0.66			
Conductivity (mS/cm)	2146	3005	3164	3229	3256	3530	3333			
pH	7.40	7.04	7.01	7.00	7.01	7.00	7.00			
Oxidation Reduction Potential (ORP) (mV)	156.4	156.1	150.2	147.4	95.5	111.6	118.2			
Turbidity (NTU)	9.48	4.20	1.22	0.42	0.14	0.07	-0.25			
Salinity (ppt)	1.11	1.58	1.66	1.70	1.72	1.74	1.76			
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 9-29-22	16:10									

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 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: MW05-10
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-28- 2022

Needs new rope
Bailer good

19.43

TOC Depth of Well (ft.)	19	(or 19.25)								
TOC Depth to GW (ft.)	15.46									
Well Diameter (in.)	2									
1 Well Volume (gal.)	0.6	1.92								
Volume Purged (gal.)	0	.6	1.2	2.0						
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	11:03	11:05	11:07	11:09						
Temperature (°C)	15.6	15.3	15.2	15.2						
Dissolved Oxygen (DO) (mg/L)	4.63	3.23	3.11	2.58						
Conductivity (mS/cm)	2575	2757	2995	2975						
pH	7.15	7.12	7.15	7.13						
Oxidation Reduction Potential (ORP) (mV)	124.3	111.5	107.0	97.3						
Turbidity (NTU)	166.7	52.7	24.30	9.54						
Salinity (ppt)	1.38	1.45	1.58	1.56						
OBSERVATIONS										
Color	clear	cloudy	clear	clear						
Sheen or Odor	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 9-29-22	14:35									

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: MW05-21
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-29 2022

2.5' stickup measured from TOC

TOC Depth of Well (ft.)	12.1	~~(or 11.7)~~								
TOC Depth to GW (ft.)	4.26									
Well Diameter (in.)	2									
1 Well Volume (gal.)	1.3	3.9								
Volume Purged (gal.)	0	1	2	3	4					
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	10:08	10:09	10:10	10:11	10:12					
Temperature (°C)	15.8	16.3	16.3	16.4	16.4					
Dissolved Oxygen (DO) (mg/L)	6.87	2.78	2.61	1.88	2.52					
Conductivity (mS/cm)	1389	1349	1584	1429	2014					
pH	7.03	6.89	6.86	6.86	6.89					
Oxidation Reduction Potential (ORP) (mV)	142.2	143.6	146.9	147.8	147.5					
Turbidity (NTU)	40.96	23.89	101.0	32.85	32.65					
Salinity (ppt)	0.71	0.70	0.90	1.00	1.04					
OBSERVATIONS										
Color	clear	cloudy	cloudy	→	→					
Sheen or Odor	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 9-29-22	10:35	→		→		→		→		

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: OB09-36

SAMPLER: GeoLogic NY, PC: JAM

DATE(S): 9-29 2022

34.2

TOC Depth of Well (ft.)	34.70	(or 33.65)								
TOC Depth to GW (ft.)	14.64									
Well Diameter (in.)	2									
1 Well Volume (gal.)	3.4.2	9.4								
Volume Purged (gal.)	0	2	4	6	8	9.4				
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	13:05	13:09	13:12	13:16	13:20	13:22				
Temperature (°C)	13.0	12.7	12.7	12.7	12.7	12.6				
Dissolved Oxygen (DO) (mg/L)	4.82	1.30	1.11	1.03	0.97	0.95				
Conductivity (mS/cm)	2825	3230	3465	3563	3625	3640				
pH	7.34	7.23	7.21	7.22	7.22	7.21				
Oxidation Reduction Potential (ORP) (mV)	155.7	155.0	151.5	147.2	144.3	143.7				
Turbidity (NTU)	409.6	263.3	11.44	8.16	5.18	4.71				
Salinity (ppt)	1.53	1.73	1.84	1.89	1.92	1.93				
OBSERVATIONS		sorry								
Color	cloudy	cloudy	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										

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

TH 11

ND J - plug

PROJECT NO: 222025
SITE: P&S Boyd Ave. Site (Site No. C734102)
WELL: OB09-38
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 2022

31.72

TOC Depth of Well (ft.)	33.20	(or 33.38)								
TOC Depth to GW (ft.)	16.87									
Well Diameter (in.)	2									
1 Well Volume (gal.)	2.4	7.1								
Volume Purged (gal.)	0	1.5	2.7	3.5	4.7	5.5	6.5	7.2		
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	12:20	12:24	12:26	12:28	12:30	12:32	12:34	12:36		
Temperature (°C)	13.7	13.2	13.2	13.2	13.2	13.2	13.2	13.2		
Dissolved Oxygen (DO) (mg/L)	2.72	1.74	1.40	1.25	1.17	1.13	1.09	1.08		
Conductivity (mS/cm)	2533	2514	2535	2541	2557	2567	2575	2578		
pH	7.02	7.0	6.98	6.98	6.98	6.97	6.97	6.97		
Oxidation Reduction Potential (ORP) (mV)	159.8	143.6	127.5	117.1	107.1	103.4	100.1	98.0		
Turbidity (NTU)	61.03	38.03	18.63	12.32	8.46	6.37	5.32	4.42		
Salinity (ppt)	1.32	1.31	1.32	1.32	1.33	1.34	1.34	1.34		
OBSERVATIONS										
Color	clear	Tan cloudy	clear	clear	clear	clear	clear	clear		
Sheen or Odor	NO	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 9-29-22	15:40									

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

obstruction in well Probably at Bottom

PROJECT NO: 222025
SITE: P&S Boyd Ave. Site (Site No. C734102)
WELL: OW1-1
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-28 2022

Needs Rope — NO J-Plug " Bolts

27.63

TOC Depth of Well (ft.)	23.4	(or 23.05)								
TOC Depth to GW (ft.)	14.91									
Well Diameter (in.)	2									
1 Well Volume (gal.)	2.0	6								
Volume Purged (gal.)	0	2	4.3	6	5	6				
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time	11:37								
	11:29	15:1	11:40	11:43	11:46	11:49				
Temperature (°C)	15.3	~~4.98~~ 15:1	15.1	15.1	15.2	15.2				
Dissolved Oxygen (DO) (mg/L)	6.81	4.98	4.95	4.80	4.77	4.73				
Conductivity (mS/cm)	2516	2840	2919	2957	2982	2997				
pH	7.12	7.09	7.10	7.10	7.11	7.11				
Oxidation Reduction Potential (ORP) (mV)	148.5	158.4	165.1	170.4	174.8	177.8				
Turbidity (NTU)	80.32	2.70	1.25	0.91	0.73	0.96				
Salinity (ppt)	1.32	1.50	1.54	1.55	1.56	1.57				
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 9-29-22	15:10									

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 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: OW1-4
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 9-29 2022

TOC Depth of Well (ft.)	28.3	(or ~~27.97~~)								
TOC Depth to GW (ft.)	18.46									
Well Diameter (in.)	2									
1 Well Volume (gal.)	1.6	4.7								
Volume Purged (gal.)	0	1	2	3	4	4.7				
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	8:47	8:49	8:51	8:54	8:57	9:00				
Temperature (°C)	15.7	16.1	16.1	16.1	16.1	16.1				
Dissolved Oxygen (DO) (mg/L)	6.99	3.45	3.19	2.92	2.66	2.84				
Conductivity (mS/cm)	942	977	1017	1096	1174	1223				
pH	7.10	6.89	6.95	6.96	6.96	6.96				
Oxidation Reduction Potential (ORP) (mV)	21.9	-34.1	-16.0	-2.5	5.6	10.6				
Turbidity (NTU)	24.6	2.70	1.68	0.92	0.44	0.49				
Salinity (ppt)	0.48	0.48	0.51	0.55	0.59	0.62				
OBSERVATIONS										
Color	Black clear	clear	clear	clear	clear	clear				
Sheen or Odor	SI H_2S	→	→	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 9-30-22	10:25									

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 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: OW1-2 OW2-2
SAMPLER: GeoLogic NY, PC: JAM
DATE(S): 2022

TOC Depth of Well (ft.)	33	(or 34.71)								
TOC Depth to GW (ft.)	16.46									
Well Diameter (in.)	2									
1 Well Volume (gal.)	2.8	8.4								
Volume Purged (gal.)	0	2	4	6	8	8.5				
Purging Method	Submersible pump with new or dedicated tubing									
FIELD PARAMETERS:	Time									
	15:55	15:58	16:02	16:06	16:10	16:12				
Temperature (°C)	13.3	12.9	12.8	12.8	12.8	12.8				
Dissolved Oxygen (DO) (mg/L)	4.29	0.94	0.79	0.74	0.71	0.71				
Conductivity (mS/cm)	1783	1976	1684	1843	2574	2599				
pH	7.36	7.17	7.15	7.13	7.12	7.12				
Oxidation Reduction Potential (ORP) (mV)	128.7	111.0	103.2	94.3	84.9	83.8				
Turbidity (NTU)	22.61	17.89	6.67	5.23	4.08	3.43				
Salinity (ppt)	0.92	1.02	1.14	1.25	1.34	1.36				
OBSERVATIONS										
Color	clear	cloudy	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 9-30-22	7:50									

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

APPENDIX D

LABORATORY ANALYTICAL REPORT

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-202205-1
Client Project/Site: Pass & Seymour Site - Solvay, NY

For:
Geologic NY Inc
PO BOX 350
37 Copeland Ave
Homer, New York 13077

Attn: Mr. Forrest Earl

Authorized for release by:
10/13/2022 3:03:58 PM
Rebecca Jones, Project Management Assistant I
(716)504-9884
Rebecca.Jones@et.eurofinsus.com

Designee for

John Beninati, Project Manager
(716)504-9874
John.Beninati@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

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
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Job ID: 480-202205-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-202205-1

Comments
No additional comments.

Receipt
The samples were received on 10/1/2022 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 4 coolers at receipt time were 2.4º C, 2.7º C, 3.0º C and 3.4º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BR09-37 (480-202205-6), BR09-39 (480-202205-7), BR10-46 (480-202205-8), IW2-1 (480-202205-10), OW1-1 (480-202205-16) and OW1-4 (480-202205-17). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: BR08-33 (480-202205-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BR09-37 (480-202205-6), BR09-39 (480-202205-7) and BR10-46 (480-202205-8). Elevated reporting limits (RLs) are provided.

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

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

General Chemistry
Method 353.2: The following sample(s) was received with minimum amount of time remaining on the test. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: BR07-31 (480-202205-1), BR07-32 (480-202205-2), IW2-3 (480-202205-11), MW05-10 (480-202205-12), MW05-21 (480-202205-13), OB09-36 (480-202205-14), OB09-38 (480-202205-15) and OW1-1 (480-202205-16).

Method 353.2: The following sample(s) was received with minimum amount of time remaining on the test. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: BR07-31 (480-202205-1), BR07-32 (480-202205-2), IW2-3 (480-202205-11), MW05-10 (480-202205-12), OB09-36 (480-202205-14), OB09-38 (480-202205-15) and OW1-1 (480-202205-16).

Method Nitrate by calc: The following sample(s) was received with minimum amount of time remaining on the test. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: BR07-31 (480-202205-1), BR07-32 (480-202205-2), IW2-3 (480-202205-11), MW05-10 (480-202205-12), MW05-21 (480-202205-13), OB09-36 (480-202205-14), OB09-38 (480-202205-15) and OW1-1 (480-202205-16).

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

Detection Summary

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

Job ID: 480-202205-1

Client Sample ID: BR07-31 — Lab Sample ID: 480-202205-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.2	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	36		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	8.0		1.0	0.46	ug/L	1		8260C	Total/NA
Iron	0.42		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.31	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.11		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	9.7	J	10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	2.4		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	15.9	H	0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: BR07-32 — Lab Sample ID: 480-202205-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	5.5		1.0	0.46	ug/L	1		8260C	Total/NA
Iron	4.2		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.52	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.0015	J	0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	17.3		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	1.3		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	2.3	H	0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: BR08-33 — Lab Sample ID: 480-202205-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.93		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.24	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.22		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	23.2		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	0.47	J	1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	0.74		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: BR08-34 — Lab Sample ID: 480-202205-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	10	3.0	ug/L	1		8260C	Total/NA
Toluene	0.67	J	1.0	0.51	ug/L	1		8260C	Total/NA
Iron	0.31		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.37	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.21		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	41.0		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	13.1		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	0.16		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: BR08-35 — Lab Sample ID: 480-202205-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	4.6		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.39	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.21		0.0030	0.00040	mg/L	1		6010C	Dissolved
Nitrate as N	1.2		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
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Client Sample ID: BR09-37 — Lab Sample ID: 480-202205-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	120	J	200	58	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	8800		200	160	ug/L	200		8260C	Total/NA
Trichloroethene - DL	100000		2000	920	ug/L	2000		8260C	Total/NA
Iron	0.43		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.67	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.012		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	20.1		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	0.86		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: BR09-39 — Lab Sample ID: 480-202205-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	3.5		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene - DL	200		5.0	2.3	ug/L	5		8260C	Total/NA
Iron	0.039	J	0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.0034	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.0020	J	0.0030	0.00040	mg/L	1		6010C	Dissolved
Total Organic Carbon - Quad	1.1		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	3.0		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: BR10-46 — Lab Sample ID: 480-202205-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.6	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.37	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene - DL	150		2.0	0.92	ug/L	2		8260C	Total/NA
Iron	2.7		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	1.0	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.0045		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	48.6		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	11.8		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	0.19		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: BR10-47 — Lab Sample ID: 480-202205-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	16		1.0	0.46	ug/L	1		8260C	Total/NA
Iron	0.34		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	1.6	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.0015	J	0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	13.5		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	0.95	J	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: IW2-1 — Lab Sample ID: 480-202205-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	57		8.0	6.5	ug/L	8		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: IW2-1 (Continued) — Lab Sample ID: 480-202205-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	280		8.0	3.7	ug/L	8		8260C	Total/NA
Iron	1.0		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.22	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.095		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	5.5	J	10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	0.99	J	1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	0.37		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: IW2-3 — Lab Sample ID: 480-202205-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	25		1.0	0.46	ug/L	1		8260C	Total/NA
Iron	0.048	J	0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.042	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.0032		0.0030	0.00040	mg/L	1		6010C	Dissolved
Total Organic Carbon - Quad	1.4		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	4.9	H	0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: MW05-10 — Lab Sample ID: 480-202205-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.7		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.67	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	56		1.0	0.46	ug/L	1		8260C	Total/NA
Iron	6.6		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.078	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Chemical Oxygen Demand	9.7	J	10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	1.1		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	2.0	H	0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: MW05-21 — Lab Sample ID: 480-202205-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.4		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	19		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.2		1.0	0.46	ug/L	1		8260C	Total/NA
Iron	1.0		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.42	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.28		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	22.9		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	6.7		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	66.0	H	0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: OB09-36 — Lab Sample ID: 480-202205-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.4	J	10	3.0	ug/L	1		8260C	Total/NA
Trichloroethene	6.8		1.0	0.46	ug/L	1		8260C	Total/NA
Iron	0.31		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.35	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Chemical Oxygen Demand	9.0	J	10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	3.6		1.0	0.43	mg/L	1		9060A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Client Sample ID: OB09-36 (Continued) — Lab Sample ID: 480-202205-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	2.9	H	0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: OB09-38 — Lab Sample ID: 480-202205-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.7		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	22		1.0	0.46	ug/L	1		8260C	Total/NA
Iron	7.8		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	1.6	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.0037		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	77.1		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	0.27	H	0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: OW1-1 — Lab Sample ID: 480-202205-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.3		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	3.0	J	5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	240		5.0	2.3	ug/L	5		8260C	Total/NA
Iron	0.47		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.053	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.0069		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	10.0		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	4.4	H	0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: OW1-4 — Lab Sample ID: 480-202205-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	36		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	700		20	9.2	ug/L	20		8260C	Total/NA
Iron	1.3		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	0.11	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.023		0.0030	0.00040	mg/L	1		6010C	Dissolved
Total Organic Carbon - Quad	1.7		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	2.2		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

Client Sample ID: OW2-2 — Lab Sample ID: 480-202205-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.1	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.8		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	9.7		1.0	0.46	ug/L	1		8260C	Total/NA
Iron	1.6		0.050	0.019	mg/L	1		6010C	Total/NA
Manganese	2.2	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.23		0.0030	0.00040	mg/L	1		6010C	Dissolved
Chemical Oxygen Demand	87.9		10.0	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon - Quad	10.8		1.0	0.43	mg/L	1		9060A	Total/NA
Nitrate as N	3.5		0.050	0.020	mg/L	1		Nitrate by calc	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Client Sample ID: BR07-31
Lab Sample ID: 480-202205-1
Date Collected: 09/29/22 11:00
Matrix: Water
Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 02:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 02:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 02:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 02:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 02:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 02:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 02:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 02:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 02:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 02:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 02:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 02:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 02:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 02:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 02:00	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 02:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 02:00	1
Acetone	7.2	J	10	3.0	ug/L			10/10/22 02:00	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 02:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 02:00	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 02:00	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 02:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 02:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 02:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 02:00	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 02:00	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 02:00	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 02:00	1
cis-1,2-Dichloroethene	16		1.0	0.81	ug/L			10/10/22 02:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 02:00	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 02:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 02:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 02:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 02:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 02:00	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 02:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 02:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 02:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 02:00	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 02:00	1
Tetrachloroethene	36		1.0	0.36	ug/L			10/10/22 02:00	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 02:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 02:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 02:00	1
Trichloroethene	8.0		1.0	0.46	ug/L			10/10/22 02:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 02:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 02:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 02:00	1

Client Sample ID: BR07-31
Lab Sample ID: 480-202205-1

Date Collected: 09/29/22 11:00
Matrix: Water
Date Received: 10/01/22 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/10/22 02:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 02:00*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 02:00*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 02:00*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.42**		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 21:17	1
Manganese	**0.31**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 21:17	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		10/04/22 16:39	10/05/22 19:09	1
Manganese	**0.11**		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 19:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	**9.7**	**J**	10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	**2.4**		1.0	0.43	mg/L			10/10/22 16:20	1
Nitrate as N (SM Nitrate by calc)	**15.9**	**H**	0.050	0.020	mg/L			10/01/22 19:04	1

Client Sample ID: BR07-32
Lab Sample ID: 480-202205-2

Date Collected: 09/29/22 14:10
Matrix: Water
Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 02:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 02:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 02:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 02:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 02:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 02:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 02:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 02:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 02:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 02:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 02:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 02:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 02:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 02:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 02:22	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 02:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 02:22	1
Acetone	ND		10	3.0	ug/L			10/10/22 02:22	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 02:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 02:22	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 02:22	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 02:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 02:22	1

Client Sample ID: BR07-32
Lab Sample ID: 480-202205-2
Date Collected: 09/29/22 14:10
Matrix: Water
Date Received: 10/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 02:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 02:22	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 02:22	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 02:22	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 02:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/22 02:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 02:22	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 02:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 02:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 02:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 02:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 02:22	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 02:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 02:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 02:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 02:22	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 02:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/22 02:22	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 02:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 02:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 02:22	1
Trichloroethene	**5.5**		1.0	0.46	ug/L			10/10/22 02:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 02:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 02:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 02:22*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 02:22*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/10/22 02:22*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/10/22 02:22*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**4.2**		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 21:21	1
Manganese	**0.52**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 21:21	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		10/04/22 16:39	10/05/22 19:40	1
Manganese	**0.0015**	**J**	0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 19:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	**17.3**		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	**1.3**		1.0	0.43	mg/L			10/10/22 17:18	1
Nitrate as N (SM Nitrate by calc)	**2.3**	**H**	0.050	0.020	mg/L			10/01/22 19:05	1

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Client Sample ID: BR08-33
Lab Sample ID: 480-202205-3
Date Collected: 09/30/22 10:50
Matrix: Water
Date Received: 10/01/22 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			10/10/22 02:44	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/10/22 02:44	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/10/22 02:44	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/10/22 02:44	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/10/22 02:44	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/10/22 02:44	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/10/22 02:44	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/10/22 02:44	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/10/22 02:44	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/10/22 02:44	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/10/22 02:44	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/10/22 02:44	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/10/22 02:44	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/10/22 02:44	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/10/22 02:44	2
2-Hexanone	ND		10	2.5	ug/L			10/10/22 02:44	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/10/22 02:44	2
Acetone	ND		20	6.0	ug/L			10/10/22 02:44	2
Benzene	ND		2.0	0.82	ug/L			10/10/22 02:44	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/10/22 02:44	2
Bromoform	ND		2.0	0.52	ug/L			10/10/22 02:44	2
Bromomethane	ND		2.0	1.4	ug/L			10/10/22 02:44	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/10/22 02:44	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/10/22 02:44	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/10/22 02:44	2
Chloroethane	ND		2.0	0.64	ug/L			10/10/22 02:44	2
Chloroform	ND		2.0	0.68	ug/L			10/10/22 02:44	2
Chloromethane	ND		2.0	0.70	ug/L			10/10/22 02:44	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/10/22 02:44	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/10/22 02:44	2
Cyclohexane	ND		2.0	0.36	ug/L			10/10/22 02:44	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/10/22 02:44	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			10/10/22 02:44	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/10/22 02:44	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/10/22 02:44	2
Methyl acetate	ND		5.0	2.6	ug/L			10/10/22 02:44	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/10/22 02:44	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/10/22 02:44	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/10/22 02:44	2
Styrene	ND		2.0	1.5	ug/L			10/10/22 02:44	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/10/22 02:44	2
Toluene	ND		2.0	1.0	ug/L			10/10/22 02:44	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/10/22 02:44	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/10/22 02:44	2
Trichloroethene	ND		2.0	0.92	ug/L			10/10/22 02:44	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/10/22 02:44	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/10/22 02:44	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/10/22 02:44	2

Client Sample ID: BR08-33

Lab Sample ID: 480-202205-3

Date Collected: 09/30/22 10:50

Matrix: Water

Date Received: 10/01/22 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/10/22 02:44*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 02:44*	*2*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/10/22 02:44*	*2*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 02:44*	*2*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.93**		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 21:24	1
Manganese	**0.24**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 21:24	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		10/04/22 16:39	10/05/22 19:44	1
Manganese	**0.22**		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 19:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	**23.2**		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	**0.47**	**J**	1.0	0.43	mg/L			10/10/22 18:16	1
Nitrate as N (SM Nitrate by calc)	**0.74**		0.050	0.020	mg/L			10/01/22 19:15	1

Client Sample ID: BR08-34

Lab Sample ID: 480-202205-4

Date Collected: 09/30/22 11:20

Matrix: Water

Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 03:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 03:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 03:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 03:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 03:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 03:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 03:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 03:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 03:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 03:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 03:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 03:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 03:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 03:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 03:06	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 03:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 03:06	1
Acetone	**3.3**	**J**	10	3.0	ug/L			10/10/22 03:06	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 03:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 03:06	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 03:06	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 03:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 03:06	1

Client Sample ID: BR08-34
Lab Sample ID: 480-202205-4
Date Collected: 09/30/22 11:20
Matrix: Water
Date Received: 10/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 03:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 03:06	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 03:06	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 03:06	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 03:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/22 03:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 03:06	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 03:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 03:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 03:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 03:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 03:06	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 03:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 03:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 03:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 03:06	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 03:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/22 03:06	1
Toluene	0.67	J	1.0	0.51	ug/L			10/10/22 03:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 03:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 03:06	1
Trichloroethene	ND		1.0	0.46	ug/L			10/10/22 03:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 03:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 03:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/10/22 03:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 03:06*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 03:06*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 03:06*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.31		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 21:56	1
Manganese	0.37	B	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 21:56	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		10/04/22 16:39	10/05/22 19:48	1
Manganese	0.21		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 19:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	41.0		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	13.1		1.0	0.43	mg/L			10/10/22 19:15	1
Nitrate as N (SM Nitrate by calc)	0.16		0.050	0.020	mg/L			10/01/22 19:12	1

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Client Sample ID: BR08-35
Lab Sample ID: 480-202205-5
Date Collected: 09/30/22 11:45
Matrix: Water
Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 03:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 03:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 03:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 03:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 03:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 03:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 03:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 03:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 03:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 03:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 03:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 03:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 03:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 03:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 03:28	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 03:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 03:28	1
Acetone	ND		10	3.0	ug/L			10/10/22 03:28	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 03:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 03:28	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 03:28	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 03:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 03:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 03:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 03:28	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 03:28	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 03:28	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 03:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/22 03:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 03:28	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 03:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 03:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 03:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 03:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 03:28	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 03:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 03:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 03:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 03:28	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 03:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/22 03:28	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 03:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 03:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 03:28	1
Trichloroethene	ND		1.0	0.46	ug/L			10/10/22 03:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 03:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 03:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 03:28	1

Client Sample ID: BR08-35
Lab Sample ID: 480-202205-5

Date Collected: 09/30/22 11:45
Matrix: Water
Date Received: 10/01/22 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/10/22 03:28*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 03:28*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 03:28*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 03:28*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**4.6**		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:00	1
Manganese	**0.39**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:00	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		10/04/22 16:39	10/05/22 19:53	1
Manganese	**0.21**		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 19:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	ND		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	ND		1.0	0.43	mg/L			10/11/22 00:05	1
Nitrate as N (SM Nitrate by calc)	**1.2**		0.050	0.020	mg/L			10/01/22 19:16	1

Client Sample ID: BR09-37
Lab Sample ID: 480-202205-6

Date Collected: 09/30/22 10:05
Matrix: Water
Date Received: 10/01/22 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		200	160	ug/L			10/10/22 03:50	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			10/10/22 03:50	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			10/10/22 03:50	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/10/22 03:50	200
1,1-Dichloroethane	ND		200	76	ug/L			10/10/22 03:50	200
1,1-Dichloroethene	**120**	**J**	200	58	ug/L			10/10/22 03:50	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			10/10/22 03:50	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			10/10/22 03:50	200
1,2-Dibromoethane	ND		200	150	ug/L			10/10/22 03:50	200
1,2-Dichlorobenzene	ND		200	160	ug/L			10/10/22 03:50	200
1,2-Dichloroethane	ND		200	42	ug/L			10/10/22 03:50	200
1,2-Dichloropropane	ND		200	140	ug/L			10/10/22 03:50	200
1,3-Dichlorobenzene	ND		200	160	ug/L			10/10/22 03:50	200
1,4-Dichlorobenzene	ND		200	170	ug/L			10/10/22 03:50	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/10/22 03:50	200
2-Hexanone	ND		1000	250	ug/L			10/10/22 03:50	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/10/22 03:50	200
Acetone	ND		2000	600	ug/L			10/10/22 03:50	200
Benzene	ND		200	82	ug/L			10/10/22 03:50	200
Bromodichloromethane	ND		200	78	ug/L			10/10/22 03:50	200
Bromoform	ND		200	52	ug/L			10/10/22 03:50	200
Bromomethane	ND		200	140	ug/L			10/10/22 03:50	200
Carbon disulfide	ND		200	38	ug/L			10/10/22 03:50	200

Client Sample ID: BR09-37
Lab Sample ID: 480-202205-6
Date Collected: 09/30/22 10:05
Matrix: Water
Date Received: 10/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		200	54	ug/L			10/10/22 03:50	200
Chlorobenzene	ND		200	150	ug/L			10/10/22 03:50	200
Chloroethane	ND		200	64	ug/L			10/10/22 03:50	200
Chloroform	ND		200	68	ug/L			10/10/22 03:50	200
Chloromethane	ND		200	70	ug/L			10/10/22 03:50	200
cis-1,2-Dichloroethene	**8800**		200	160	ug/L			10/10/22 03:50	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/10/22 03:50	200
Cyclohexane	ND		200	36	ug/L			10/10/22 03:50	200
Dibromochloromethane	ND		200	64	ug/L			10/10/22 03:50	200
Dichlorodifluoromethane	ND		200	140	ug/L			10/10/22 03:50	200
Ethylbenzene	ND		200	150	ug/L			10/10/22 03:50	200
Isopropylbenzene	ND		200	160	ug/L			10/10/22 03:50	200
Methyl acetate	ND		500	260	ug/L			10/10/22 03:50	200
Methyl tert-butyl ether	ND		200	32	ug/L			10/10/22 03:50	200
Methylcyclohexane	ND		200	32	ug/L			10/10/22 03:50	200
Methylene Chloride	ND		200	88	ug/L			10/10/22 03:50	200
Styrene	ND		200	150	ug/L			10/10/22 03:50	200
Tetrachloroethene	ND		200	72	ug/L			10/10/22 03:50	200
Toluene	ND		200	100	ug/L			10/10/22 03:50	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/10/22 03:50	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/10/22 03:50	200
Trichlorofluoromethane	ND		200	180	ug/L			10/10/22 03:50	200
Vinyl chloride	ND		200	180	ug/L			10/10/22 03:50	200
Xylenes, Total	ND		400	130	ug/L			10/10/22 03:50	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/10/22 03:50*	*200*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 03:50*	*200*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 03:50*	*200*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/10/22 03:50*	*200*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**100000**		2000	920	ug/L			10/10/22 14:04	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 14:04*	*2000*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/10/22 14:04*	*2000*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/10/22 14:04*	*2000*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 14:04*	*2000*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.43**		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:04	1
Manganese	**0.67**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:04	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		10/04/22 16:39	10/05/22 19:57	1
Manganese	**0.012**		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 19:57	1

Client Sample ID: BR09-37
Lab Sample ID: 480-202205-6

Date Collected: 09/30/22 10:05
Matrix: Water
Date Received: 10/01/22 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	20.1		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	1.9		1.0	0.43	mg/L			10/11/22 01:03	1
Nitrate as N (SM Nitrate by calc)	0.86		0.050	0.020	mg/L			10/01/22 19:09	1

Client Sample ID: BR09-39
Lab Sample ID: 480-202205-7

Date Collected: 09/30/22 09:40
Matrix: Water
Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 04:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 04:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 04:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 04:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 04:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 04:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 04:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 04:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 04:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 04:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 04:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 04:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 04:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 04:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 04:12	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 04:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 04:12	1
Acetone	ND		10	3.0	ug/L			10/10/22 04:12	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 04:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 04:12	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 04:12	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 04:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 04:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 04:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 04:12	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 04:12	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 04:12	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 04:12	1
cis-1,2-Dichloroethene	12		1.0	0.81	ug/L			10/10/22 04:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 04:12	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 04:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 04:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 04:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 04:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 04:12	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 04:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 04:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 04:12	1

Client Sample ID: BR09-39
Lab Sample ID: 480-202205-7

Date Collected: 09/30/22 09:40
Matrix: Water
Date Received: 10/01/22 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		1.0	0.44	ug/L			10/10/22 04:12	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 04:12	1
Tetrachloroethene	**3.5**		1.0	0.36	ug/L			10/10/22 04:12	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 04:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 04:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 04:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 04:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 04:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/10/22 04:12*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 04:12*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/10/22 04:12*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/10/22 04:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**200**		5.0	2.3	ug/L			10/10/22 14:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/10/22 14:26*	*5*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 14:26*	*5*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/10/22 14:26*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/10/22 14:26*	*5*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.039**	**J**	0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:08	1
Manganese	**0.0034**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:08	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		10/04/22 16:39	10/05/22 20:01	1
Manganese	**0.0020**	**J**	0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	ND		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	**1.1**		1.0	0.43	mg/L			10/11/22 01:32	1
Nitrate as N (SM Nitrate by calc)	**3.0**		0.050	0.020	mg/L			10/01/22 19:18	1

Client Sample ID: BR10-46
Lab Sample ID: 480-202205-8

Date Collected: 09/30/22 09:20
Matrix: Water
Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 04:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 04:34	1

Client Sample ID: BR10-46
Lab Sample ID: 480-202205-8
Date Collected: 09/30/22 09:20
Matrix: Water
Date Received: 10/01/22 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-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 04:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 04:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 04:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 04:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 04:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 04:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 04:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 04:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 04:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 04:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 04:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 04:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 04:34	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 04:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 04:34	1
Acetone	4.6	J	10	3.0	ug/L			10/10/22 04:34	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 04:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 04:34	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 04:34	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 04:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 04:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 04:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 04:34	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 04:34	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 04:34	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 04:34	1
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L			10/10/22 04:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 04:34	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 04:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 04:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 04:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 04:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 04:34	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 04:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 04:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 04:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 04:34	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 04:34	1
Tetrachloroethene	0.37	J	1.0	0.36	ug/L			10/10/22 04:34	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 04:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 04:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 04:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 04:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 04:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 04:34*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/10/22 04:34*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 04:34*	*1*

Client Sample ID: BR10-46
Lab Sample ID: 480-202205-8

Date Collected: 09/30/22 09:20
Matrix: Water
Date Received: 10/01/22 10:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/10/22 04:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**150**		2.0	0.92	ug/L			10/10/22 14:47	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/10/22 14:47*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 14:47*	*2*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 14:47*	*2*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 14:47*	*2*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.7**		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:12	1
Manganese	**1.0**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:12	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		10/04/22 16:39	10/05/22 20:04	1
Manganese	**0.0045**		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	**48.6**		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	**11.8**		1.0	0.43	mg/L			10/11/22 03:57	1
Nitrate as N (SM Nitrate by calc)	**0.19**		0.050	0.020	mg/L			10/01/22 19:19	1

Client Sample ID: BR10-47
Lab Sample ID: 480-202205-9

Date Collected: 09/30/22 09:00
Matrix: Water
Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 04:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 04:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 04:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 04:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 04:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 04:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 04:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 04:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 04:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 04:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 04:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 04:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 04:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 04:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 04:56	1

Client Sample ID: BR10-47
Lab Sample ID: 480-202205-9
Date Collected: 09/30/22 09:00
Matrix: Water
Date Received: 10/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 04:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 04:56	1
Acetone	3.4	J	10	3.0	ug/L			10/10/22 04:56	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 04:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 04:56	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 04:56	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 04:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 04:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 04:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 04:56	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 04:56	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 04:56	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 04:56	1
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L			10/10/22 04:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 04:56	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 04:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 04:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 04:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 04:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 04:56	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 04:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 04:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 04:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 04:56	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 04:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/22 04:56	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 04:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 04:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 04:56	1
Trichloroethene	16		1.0	0.46	ug/L			10/10/22 04:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 04:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 04:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/10/22 04:56*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 04:56*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/10/22 04:56*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/10/22 04:56*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.34		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:16	1
Manganese	1.6	B	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:16	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		10/04/22 16:39	10/05/22 20:20	1
Manganese	0.0015	J	0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:20	1

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Client Sample ID: BR10-47
Lab Sample ID: 480-202205-9
Date Collected: 09/30/22 09:00
Matrix: Water
Date Received: 10/01/22 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	13.5		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	0.95	J	1.0	0.43	mg/L			10/11/22 04:27	1
Nitrate as N (SM Nitrate by calc)	4.5		0.050	0.020	mg/L			10/01/22 19:29	1

Client Sample ID: IW2-1
Lab Sample ID: 480-202205-10
Date Collected: 09/30/22 08:30
Matrix: Water
Date Received: 10/01/22 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			10/10/22 05:18	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			10/10/22 05:18	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			10/10/22 05:18	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			10/10/22 05:18	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			10/10/22 05:18	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			10/10/22 05:18	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			10/10/22 05:18	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			10/10/22 05:18	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			10/10/22 05:18	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			10/10/22 05:18	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			10/10/22 05:18	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			10/10/22 05:18	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			10/10/22 05:18	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			10/10/22 05:18	8
2-Butanone (MEK)	ND		80	11	ug/L			10/10/22 05:18	8
2-Hexanone	ND		40	9.9	ug/L			10/10/22 05:18	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			10/10/22 05:18	8
Acetone	ND		80	24	ug/L			10/10/22 05:18	8
Benzene	ND		8.0	3.3	ug/L			10/10/22 05:18	8
Bromodichloromethane	ND		8.0	3.1	ug/L			10/10/22 05:18	8
Bromoform	ND		8.0	2.1	ug/L			10/10/22 05:18	8
Bromomethane	ND		8.0	5.5	ug/L			10/10/22 05:18	8
Carbon disulfide	ND		8.0	1.5	ug/L			10/10/22 05:18	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			10/10/22 05:18	8
Chlorobenzene	ND		8.0	6.0	ug/L			10/10/22 05:18	8
Chloroethane	ND		8.0	2.6	ug/L			10/10/22 05:18	8
Chloroform	ND		8.0	2.7	ug/L			10/10/22 05:18	8
Chloromethane	ND		8.0	2.8	ug/L			10/10/22 05:18	8
cis-1,2-Dichloroethene	57		8.0	6.5	ug/L			10/10/22 05:18	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			10/10/22 05:18	8
Cyclohexane	ND		8.0	1.4	ug/L			10/10/22 05:18	8
Dibromochloromethane	ND		8.0	2.6	ug/L			10/10/22 05:18	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			10/10/22 05:18	8
Ethylbenzene	ND		8.0	5.9	ug/L			10/10/22 05:18	8
Isopropylbenzene	ND		8.0	6.3	ug/L			10/10/22 05:18	8
Methyl acetate	ND		20	10	ug/L			10/10/22 05:18	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			10/10/22 05:18	8
Methylcyclohexane	ND		8.0	1.3	ug/L			10/10/22 05:18	8

Client Sample ID: IW2-1
Lab Sample ID: 480-202205-10

Date Collected: 09/30/22 08:30
Matrix: Water
Date Received: 10/01/22 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			10/10/22 05:18	8
Styrene	ND		8.0	5.8	ug/L			10/10/22 05:18	8
Tetrachloroethene	ND		8.0	2.9	ug/L			10/10/22 05:18	8
Toluene	ND		8.0	4.1	ug/L			10/10/22 05:18	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			10/10/22 05:18	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			10/10/22 05:18	8
Trichloroethene	**280**		8.0	3.7	ug/L			10/10/22 05:18	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			10/10/22 05:18	8
Vinyl chloride	ND		8.0	7.2	ug/L			10/10/22 05:18	8
Xylenes, Total	ND		16	5.3	ug/L			10/10/22 05:18	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 05:18*	*8*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 05:18*	*8*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 05:18*	*8*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/10/22 05:18*	*8*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.0**		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:20	1
Manganese	**0.22**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:20	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		10/04/22 16:39	10/05/22 20:24	1
Manganese	**0.095**		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	**5.5**	**J**	10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	**0.99**	**J**	1.0	0.43	mg/L			10/11/22 05:26	1
Nitrate as N (SM Nitrate by calc)	**0.37**		0.050	0.020	mg/L			10/01/22 19:20	1

Client Sample ID: IW2-3
Lab Sample ID: 480-202205-11

Date Collected: 09/29/22 16:10
Matrix: Water
Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 05:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 05:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 05:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 05:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 05:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 05:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 05:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 05:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 05:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 05:40	1

Client Sample ID: IW2-3
Lab Sample ID: 480-202205-11
Date Collected: 09/29/22 16:10
Matrix: Water
Date Received: 10/01/22 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-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 05:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 05:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 05:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 05:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 05:40	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 05:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 05:40	1
Acetone	ND		10	3.0	ug/L			10/10/22 05:40	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 05:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 05:40	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 05:40	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 05:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 05:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 05:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 05:40	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 05:40	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 05:40	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 05:40	1
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L			10/10/22 05:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 05:40	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 05:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 05:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 05:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 05:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 05:40	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 05:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 05:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 05:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 05:40	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 05:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/22 05:40	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 05:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 05:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 05:40	1
Trichloroethene	25		1.0	0.46	ug/L			10/10/22 05:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 05:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 05:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 05:40*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 05:40*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/10/22 05:40*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 05:40*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.048	J	0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:24	1
Manganese	0.042	B	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:24	1

Client Sample ID: IW2-3
Lab Sample ID: 480-202205-11

Date Collected: 09/29/22 16:10
Matrix: Water
Date Received: 10/01/22 10:00

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		10/04/22 16:39	10/05/22 20:28	1
Manganese	**0.0032**		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	ND		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	**1.4**		1.0	0.43	mg/L			10/11/22 06:23	1
Nitrate as N (SM Nitrate by calc)	**4.9**	**H**	0.050	0.020	mg/L			10/01/22 19:22	1

Client Sample ID: MW05-10
Lab Sample ID: 480-202205-12

Date Collected: 09/29/22 14:35
Matrix: Water
Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 06:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 06:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 06:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 06:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 06:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 06:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 06:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 06:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 06:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 06:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 06:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 06:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 06:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 06:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 06:02	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 06:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 06:02	1
Acetone	ND		10	3.0	ug/L			10/10/22 06:02	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 06:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 06:02	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 06:02	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 06:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 06:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 06:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 06:02	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 06:02	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 06:02	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 06:02	1
cis-1,2-Dichloroethene	**1.7**		1.0	0.81	ug/L			10/10/22 06:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 06:02	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 06:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 06:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 06:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 06:02	1

Client Sample ID: MW05-10

Lab Sample ID: 480-202205-12

Date Collected: 09/29/22 14:35

Matrix: Water

Date Received: 10/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 06:02	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 06:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 06:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 06:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 06:02	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 06:02	1
Tetrachloroethene	0.67	J	1.0	0.36	ug/L			10/10/22 06:02	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 06:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 06:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 06:02	1
Trichloroethene	56		1.0	0.46	ug/L			10/10/22 06:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 06:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 06:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 06:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/10/22 06:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 06:02*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/10/22 06:02*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/10/22 06:02*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	6.6		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:39	1
Manganese	0.078	B	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:39	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		10/04/22 16:39	10/05/22 20:32	1
Manganese	ND		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	9.7	J	10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	1.1		1.0	0.43	mg/L			10/11/22 06:52	1
Nitrate as N (SM Nitrate by calc)	2.0	H	0.050	0.020	mg/L			10/01/22 19:34	1

Client Sample ID: MW05-21

Lab Sample ID: 480-202205-13

Date Collected: 09/29/22 10:35

Matrix: Water

Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 06:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 06:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 06:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 06:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 06:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 06:24	1

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Client Sample ID: MW05-21
Lab Sample ID: 480-202205-13
Date Collected: 09/29/22 10:35
Matrix: Water
Date Received: 10/01/22 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			10/10/22 06:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 06:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 06:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 06:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 06:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 06:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 06:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 06:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 06:24	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 06:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 06:24	1
Acetone	ND		10	3.0	ug/L			10/10/22 06:24	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 06:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 06:24	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 06:24	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 06:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 06:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 06:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 06:24	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 06:24	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 06:24	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 06:24	1
cis-1,2-Dichloroethene	1.4		1.0	0.81	ug/L			10/10/22 06:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 06:24	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 06:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 06:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 06:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 06:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 06:24	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 06:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 06:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 06:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 06:24	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 06:24	1
Tetrachloroethene	19		1.0	0.36	ug/L			10/10/22 06:24	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 06:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 06:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 06:24	1
Trichloroethene	2.2		1.0	0.46	ug/L			10/10/22 06:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 06:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 06:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/10/22 06:24*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 06:24*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 06:24*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 06:24*	*1*

Client Sample ID: MW05-21

Lab Sample ID: 480-202205-13

Date Collected: 09/29/22 10:35

Matrix: Water

Date Received: 10/01/22 10:00

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.0		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:43	1
Manganese	0.42	B	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:43	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		10/04/22 16:39	10/05/22 20:36	1
Manganese	0.28		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	22.9		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	6.7		1.0	0.43	mg/L			10/11/22 07:22	1
Nitrate as N (SM Nitrate by calc)	66.0	H	0.050	0.020	mg/L			10/01/22 19:36	1

Client Sample ID: OB09-36

Lab Sample ID: 480-202205-14

Date Collected: 09/29/22 16:40

Matrix: Water

Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 06:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 06:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 06:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 06:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 06:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 06:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 06:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 06:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 06:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 06:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 06:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 06:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 06:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 06:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 06:46	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 06:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 06:46	1
Acetone	4.4	J	10	3.0	ug/L			10/10/22 06:46	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 06:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 06:46	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 06:46	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 06:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 06:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 06:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 06:46	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 06:46	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 06:46	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 06:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/22 06:46	1

Client Sample ID: OB09-36

Lab Sample ID: 480-202205-14

Date Collected: 09/29/22 16:40

Matrix: Water

Date Received: 10/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 06:46	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 06:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 06:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 06:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 06:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 06:46	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 06:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 06:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 06:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 06:46	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 06:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/22 06:46	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 06:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 06:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 06:46	1
Trichloroethene	6.8		1.0	0.46	ug/L			10/10/22 06:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 06:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 06:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 06:46*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 06:46*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/10/22 06:46*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/10/22 06:46*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.31		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:47	1
Manganese	0.35	B	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:47	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		10/04/22 16:39	10/05/22 20:40	1
Manganese	ND		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	9.0	J	10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	3.6		1.0	0.43	mg/L			10/11/22 08:49	1
Nitrate as N (SM Nitrate by calc)	2.9	H	0.050	0.020	mg/L			10/01/22 19:31	1

Client Sample ID: OB09-38

Lab Sample ID: 480-202205-15

Date Collected: 09/29/22 15:40

Matrix: Water

Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 07:08	1

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Client Sample ID: OB09-38
Lab Sample ID: 480-202205-15
Date Collected: 09/29/22 15:40
Matrix: Water
Date Received: 10/01/22 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		1.0	0.21	ug/L			10/10/22 07:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 07:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 07:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 07:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 07:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 07:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 07:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 07:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 07:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 07:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 07:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 07:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 07:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 07:08	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 07:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 07:08	1
Acetone	3.4	J	10	3.0	ug/L			10/10/22 07:08	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 07:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 07:08	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 07:08	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 07:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 07:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 07:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 07:08	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 07:08	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 07:08	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 07:08	1
cis-1,2-Dichloroethene	5.7		1.0	0.81	ug/L			10/10/22 07:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 07:08	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 07:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 07:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 07:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 07:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 07:08	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 07:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 07:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 07:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 07:08	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 07:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/22 07:08	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 07:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 07:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 07:08	1
Trichloroethene	22		1.0	0.46	ug/L			10/10/22 07:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 07:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 07:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 07:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/10/22 07:08*	*1*

Client Sample ID: OB09-38
Lab Sample ID: 480-202205-15

Date Collected: 09/29/22 15:40
Matrix: Water
Date Received: 10/01/22 10:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 07:08*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/10/22 07:08*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/10/22 07:08*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**7.8**		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:51	1
Manganese	**1.6**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:51	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		10/04/22 16:39	10/05/22 20:44	1
Manganese	**0.0037**		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	**77.1**		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	**1.5**		1.0	0.43	mg/L			10/11/22 09:47	1
Nitrate as N (SM Nitrate by calc)	**0.27**	**H**	0.050	0.020	mg/L			10/01/22 19:37	1

Client Sample ID: OW1-1
Lab Sample ID: 480-202205-16

Date Collected: 09/29/22 15:10
Matrix: Water
Date Received: 10/01/22 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			10/10/22 07:30	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/10/22 07:30	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/10/22 07:30	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/10/22 07:30	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/10/22 07:30	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/10/22 07:30	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/10/22 07:30	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/10/22 07:30	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/10/22 07:30	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/10/22 07:30	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/10/22 07:30	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/10/22 07:30	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/10/22 07:30	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/10/22 07:30	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/10/22 07:30	5
2-Hexanone	ND		25	6.2	ug/L			10/10/22 07:30	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/10/22 07:30	5
Acetone	ND		50	15	ug/L			10/10/22 07:30	5
Benzene	ND		5.0	2.1	ug/L			10/10/22 07:30	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/10/22 07:30	5
Bromoform	ND		5.0	1.3	ug/L			10/10/22 07:30	5
Bromomethane	ND		5.0	3.5	ug/L			10/10/22 07:30	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/10/22 07:30	5

Client Sample ID: OW1-1
Lab Sample ID: 480-202205-16
Date Collected: 09/29/22 15:10
Matrix: Water
Date Received: 10/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/10/22 07:30	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/10/22 07:30	5
Chloroethane	ND		5.0	1.6	ug/L			10/10/22 07:30	5
Chloroform	ND		5.0	1.7	ug/L			10/10/22 07:30	5
Chloromethane	ND		5.0	1.8	ug/L			10/10/22 07:30	5
cis-1,2-Dichloroethene	**8.3**		5.0	4.1	ug/L			10/10/22 07:30	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/10/22 07:30	5
Cyclohexane	ND		5.0	0.90	ug/L			10/10/22 07:30	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/10/22 07:30	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/10/22 07:30	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/10/22 07:30	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/10/22 07:30	5
Methyl acetate	ND		13	6.5	ug/L			10/10/22 07:30	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/10/22 07:30	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/10/22 07:30	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/10/22 07:30	5
Styrene	ND		5.0	3.7	ug/L			10/10/22 07:30	5
Tetrachloroethene	**3.0**	**J**	5.0	1.8	ug/L			10/10/22 07:30	5
Toluene	ND		5.0	2.6	ug/L			10/10/22 07:30	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/10/22 07:30	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/10/22 07:30	5
Trichloroethene	**240**		5.0	2.3	ug/L			10/10/22 07:30	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/10/22 07:30	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/10/22 07:30	5
Xylenes, Total	ND		10	3.3	ug/L			10/10/22 07:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/10/22 07:30*	*5*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 07:30*	*5*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 07:30*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/10/22 07:30*	*5*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.47**		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:55	1
Manganese	**0.053**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:55	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		10/04/22 16:39	10/05/22 20:48	1
Manganese	**0.0069**		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	**10.0**		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	**1.7**		1.0	0.43	mg/L			10/11/22 10:45	1
Nitrate as N (SM Nitrate by calc)	**4.4**	**H**	0.050	0.020	mg/L			10/01/22 19:42	1

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Client Sample ID: OW1-4
Lab Sample ID: 480-202205-17
Date Collected: 09/30/22 10:25
Matrix: Water
Date Received: 10/01/22 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			10/10/22 07:52	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/10/22 07:52	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/10/22 07:52	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/10/22 07:52	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/10/22 07:52	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/10/22 07:52	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/10/22 07:52	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/10/22 07:52	20
1,2-Dibromoethane	ND		20	15	ug/L			10/10/22 07:52	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/10/22 07:52	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/10/22 07:52	20
1,2-Dichloropropane	ND		20	14	ug/L			10/10/22 07:52	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/10/22 07:52	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/10/22 07:52	20
2-Butanone (MEK)	ND		200	26	ug/L			10/10/22 07:52	20
2-Hexanone	ND		100	25	ug/L			10/10/22 07:52	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/10/22 07:52	20
Acetone	ND		200	60	ug/L			10/10/22 07:52	20
Benzene	ND		20	8.2	ug/L			10/10/22 07:52	20
Bromodichloromethane	ND		20	7.8	ug/L			10/10/22 07:52	20
Bromoform	ND		20	5.2	ug/L			10/10/22 07:52	20
Bromomethane	ND		20	14	ug/L			10/10/22 07:52	20
Carbon disulfide	ND		20	3.8	ug/L			10/10/22 07:52	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/10/22 07:52	20
Chlorobenzene	ND		20	15	ug/L			10/10/22 07:52	20
Chloroethane	ND		20	6.4	ug/L			10/10/22 07:52	20
Chloroform	ND		20	6.8	ug/L			10/10/22 07:52	20
Chloromethane	ND		20	7.0	ug/L			10/10/22 07:52	20
cis-1,2-Dichloroethene	36		20	16	ug/L			10/10/22 07:52	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/10/22 07:52	20
Cyclohexane	ND		20	3.6	ug/L			10/10/22 07:52	20
Dibromochloromethane	ND		20	6.4	ug/L			10/10/22 07:52	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/10/22 07:52	20
Ethylbenzene	ND		20	15	ug/L			10/10/22 07:52	20
Isopropylbenzene	ND		20	16	ug/L			10/10/22 07:52	20
Methyl acetate	ND		50	26	ug/L			10/10/22 07:52	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/10/22 07:52	20
Methylcyclohexane	ND		20	3.2	ug/L			10/10/22 07:52	20
Methylene Chloride	ND		20	8.8	ug/L			10/10/22 07:52	20
Styrene	ND		20	15	ug/L			10/10/22 07:52	20
Tetrachloroethene	ND		20	7.2	ug/L			10/10/22 07:52	20
Toluene	ND		20	10	ug/L			10/10/22 07:52	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/10/22 07:52	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/10/22 07:52	20
Trichloroethene	700		20	9.2	ug/L			10/10/22 07:52	20
Trichlorofluoromethane	ND		20	18	ug/L			10/10/22 07:52	20
Vinyl chloride	ND		20	18	ug/L			10/10/22 07:52	20
Xylenes, Total	ND		40	13	ug/L			10/10/22 07:52	20

Client Sample ID: OW1-4

Lab Sample ID: 480-202205-17

Date Collected: 09/30/22 10:25

Matrix: Water

Date Received: 10/01/22 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 07:52*	*20*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/10/22 07:52*	*20*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 07:52*	*20*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 07:52*	*20*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.3**		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 22:59	1
Manganese	**0.11**	**B**	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 22:59	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		10/04/22 16:39	10/05/22 20:52	1
Manganese	**0.023**		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 20:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	ND		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	**1.7**		1.0	0.43	mg/L			10/11/22 11:15	1
Nitrate as N (SM Nitrate by calc)	**2.2**		0.050	0.020	mg/L			10/01/22 19:38	1

Client Sample ID: OW2-2

Lab Sample ID: 480-202205-18

Date Collected: 09/30/22 07:50

Matrix: Water

Date Received: 10/01/22 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		1.0	0.82	ug/L			10/10/22 08:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 08:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 08:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 08:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 08:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 08:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 08:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 08:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 08:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 08:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 08:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 08:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 08:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 08:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 08:14	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 08:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 08:14	1
Acetone	**7.1**	**J**	10	3.0	ug/L			10/10/22 08:14	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 08:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 08:14	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 08:14	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 08:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 08:14	1

Client Sample ID: OW2-2
Lab Sample ID: 480-202205-18
Date Collected: 09/30/22 07:50
Matrix: Water
Date Received: 10/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 08:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 08:14	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 08:14	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 08:14	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 08:14	1
cis-1,2-Dichloroethene	1.8		1.0	0.81	ug/L			10/10/22 08:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 08:14	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 08:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 08:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 08:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 08:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 08:14	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 08:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 08:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 08:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 08:14	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 08:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/22 08:14	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 08:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 08:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 08:14	1
Trichloroethene	9.7		1.0	0.46	ug/L			10/10/22 08:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 08:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 08:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 08:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 08:14*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 08:14*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 08:14*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/10/22 08:14*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.6		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 23:03	1
Manganese	2.2	B	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 23:03	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		10/04/22 16:39	10/05/22 21:07	1
Manganese	0.23		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 21:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (MCAWW 410.4)	87.9		10.0	5.0	mg/L			10/05/22 20:45	1
Total Organic Carbon - Quad (SW846 9060A)	10.8		1.0	0.43	mg/L			10/11/22 11:44	1
Nitrate as N (SM Nitrate by calc)	3.5		0.050	0.020	mg/L			10/01/22 19:45	1

Surrogate Summary

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-202205-1	BR07-31	98	100	101	101
480-202205-2	BR07-32	100	101	100	100
480-202205-3	BR08-33	99	101	100	101
480-202205-4	BR08-34	99	100	101	101
480-202205-5	BR08-35	99	101	101	101
480-202205-6	BR09-37	98	101	101	100
480-202205-6 - DL	BR09-37	100	99	100	101
480-202205-7	BR09-39	99	100	100	99
480-202205-7 - DL	BR09-39	99	100	100	100
480-202205-8	BR10-46	100	102	101	100
480-202205-8 - DL	BR10-46	99	100	101	101
480-202205-9	BR10-47	98	100	100	100
480-202205-10	IW2-1	100	101	101	100
480-202205-11	IW2-3	100	100	100	101
480-202205-12	MW05-10	102	100	102	102
480-202205-13	MW05-21	99	101	101	101
480-202205-14	OB09-36	100	101	100	99
480-202205-15	OB09-38	99	101	99	100
480-202205-16	OW1-1	99	101	101	100
480-202205-17	OW1-4	100	101	101	101
480-202205-18	OW2-2	100	100	101	101
LCS 480-644605/6	Lab Control Sample	98	98	100	101
LCS 480-644710/5	Lab Control Sample	98	98	100	101
MB 480-644605/8	Method Blank	99	99	102	102
MB 480-644710/7	Method Blank	100	100	101	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-644605/8
Matrix: Water
Analysis Batch: 644605

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			10/10/22 00:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 00:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 00:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 00:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 00:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 00:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 00:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 00:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 00:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 00:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 00:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 00:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 00:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 00:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 00:54	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 00:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 00:54	1
Acetone	ND		10	3.0	ug/L			10/10/22 00:54	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 00:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 00:54	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 00:54	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 00:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 00:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 00:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 00:54	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 00:54	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 00:54	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/22 00:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/22 00:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 00:54	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 00:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 00:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 00:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 00:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 00:54	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 00:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 00:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 00:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 00:54	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 00:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/22 00:54	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 00:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 00:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 00:54	1
Trichloroethene	ND		1.0	0.46	ug/L			10/10/22 00:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 00:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 00:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 00:54	1

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

Lab Sample ID: MB 480-644605/8
Matrix: Water
Analysis Batch: 644605

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		10/10/22 00:54	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/10/22 00:54	1
Dibromofluoromethane (Surr)	102		75 - 123		10/10/22 00:54	1
Toluene-d8 (Surr)	102		80 - 120		10/10/22 00:54	1

Lab Sample ID: LCS 480-644605/6
Matrix: Water
Analysis Batch: 644605

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	24.4		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.4		ug/L		118	61 - 148
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	26.4		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	22.5		ug/L		90	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.8		ug/L		103	56 - 134
1,2-Dibromoethane	25.0	24.0		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	23.1		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
1,3-Dichlorobenzene	25.0	24.1		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.4		ug/L		93	80 - 120
2-Butanone (MEK)	125	141		ug/L		113	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	160		ug/L		128	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromodichloromethane	25.0	23.5		ug/L		94	80 - 122
Bromoform	25.0	23.3		ug/L		93	61 - 132
Bromomethane	25.0	24.5		ug/L		98	55 - 144
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134
Carbon tetrachloride	25.0	27.9		ug/L		112	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	80 - 120
Chloroethane	25.0	26.1		ug/L		104	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	25.1		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
Cyclohexane	25.0	27.5		ug/L		110	59 - 135
Dibromochloromethane	25.0	23.5		ug/L		94	75 - 125
Dichlorodifluoromethane	25.0	27.3		ug/L		109	59 - 135
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Isopropylbenzene	25.0	26.4		ug/L		105	77 - 122
Methyl acetate	50.0	51.9		ug/L		104	74 - 133
Methyl tert-butyl ether	25.0	23.8		ug/L		95	77 - 120
Methylcyclohexane	25.0	26.1		ug/L		105	68 - 134

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

Lab Sample ID: LCS 480-644605/6
Matrix: Water
Analysis Batch: 644605

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	24.9		ug/L		100	75 - 124
Styrene	25.0	24.5		ug/L		98	80 - 120
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	22.8		ug/L		91	80 - 120
Trichloroethene	25.0	25.5		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	27.2		ug/L		109	62 - 150
Vinyl chloride	25.0	25.0		ug/L		100	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 480-644710/7
Matrix: Water
Analysis Batch: 644710

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			10/10/22 13:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/22 13:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/22 13:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/22 13:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/22 13:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/22 13:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/22 13:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/22 13:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/22 13:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/22 13:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/22 13:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/22 13:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/22 13:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/22 13:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/22 13:15	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/22 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/22 13:15	1
Acetone	ND		10	3.0	ug/L			10/10/22 13:15	1
Benzene	ND		1.0	0.41	ug/L			10/10/22 13:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/22 13:15	1
Bromoform	ND		1.0	0.26	ug/L			10/10/22 13:15	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/22 13:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/22 13:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/22 13:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/22 13:15	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/22 13:15	1
Chloroform	ND		1.0	0.34	ug/L			10/10/22 13:15	1

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

Lab Sample ID: MB 480-644710/7
Matrix: Water
Analysis Batch: 644710

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			10/10/22 13:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/22 13:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/22 13:15	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/22 13:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/22 13:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/22 13:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/22 13:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/22 13:15	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/22 13:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/22 13:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/22 13:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/22 13:15	1
Styrene	ND		1.0	0.73	ug/L			10/10/22 13:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/22 13:15	1
Toluene	ND		1.0	0.51	ug/L			10/10/22 13:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/22 13:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/22 13:15	1
Trichloroethene	ND		1.0	0.46	ug/L			10/10/22 13:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/22 13:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/22 13:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/22 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/10/22 13:15*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/10/22 13:15*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/10/22 13:15*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/10/22 13:15*	*1*

Lab Sample ID: LCS 480-644710/5
Matrix: Water
Analysis Batch: 644710

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	24.7		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.8		ug/L		119	61 - 148
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	24.8		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	26.5		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	25.0	22.8		ug/L		91	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.2		ug/L		101	56 - 134
1,2-Dibromoethane	25.0	24.1		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	23.3		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	24.7		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	24.1		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 120
2-Butanone (MEK)	125	138		ug/L		110	57 - 140

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

Lab Sample ID: LCS 480-644710/5
Matrix: Water
Analysis Batch: 644710

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	131		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		102	71 - 125
Acetone	125	154		ug/L		123	56 - 142
Benzene	25.0	25.1		ug/L		100	71 - 124
Bromodichloromethane	25.0	23.5		ug/L		94	80 - 122
Bromoform	25.0	23.3		ug/L		93	61 - 132
Bromomethane	25.0	25.1		ug/L		100	55 - 144
Carbon disulfide	25.0	26.6		ug/L		106	59 - 134
Carbon tetrachloride	25.0	28.2		ug/L		113	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	80 - 120
Chloroethane	25.0	27.5		ug/L		110	69 - 136
Chloroform	25.0	23.8		ug/L		95	73 - 127
Chloromethane	25.0	27.0		ug/L		108	68 - 124
cis-1,2-Dichloroethene	25.0	24.7		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Cyclohexane	25.0	27.9		ug/L		112	59 - 135
Dibromochloromethane	25.0	23.7		ug/L		95	75 - 125
Dichlorodifluoromethane	25.0	29.9		ug/L		120	59 - 135
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
Isopropylbenzene	25.0	26.5		ug/L		106	77 - 122
Methyl acetate	50.0	51.3		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	23.4		ug/L		94	77 - 120
Methylcyclohexane	25.0	26.7		ug/L		107	68 - 134
Methylene Chloride	25.0	25.3		ug/L		101	75 - 124
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	26.4		ug/L		106	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	80 - 120
Trichloroethene	25.0	25.4		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	28.3		ug/L		113	62 - 150
Vinyl chloride	25.0	26.7		ug/L		107	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-643719/1-A
Matrix: Water
Analysis Batch: 643869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 643719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		10/03/22 11:57	10/03/22 21:09	1
Manganese	0.00111	J	0.0030	0.00040	mg/L		10/03/22 11:57	10/03/22 21:09	1

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

Lab Sample ID: LCS 480-643719/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 643869 — **Prep Batch: 643719**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron			10.0	10.12		mg/L		101	80 - 120		
Manganese			0.200	0.212		mg/L		106	80 - 120		

Lab Sample ID: 480-202205-3 MS — **Client Sample ID: BR08-33**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 643869 — **Prep Batch: 643719**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron	0.93		10.0	10.73		mg/L		98	75 - 125		
Manganese	0.24	B	0.200	0.444		mg/L		102	75 - 125		

Lab Sample ID: 480-202205-3 MSD — **Client Sample ID: BR08-33**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 643869 — **Prep Batch: 643719**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.93		10.0	10.73		mg/L		98	75 - 125	0	20
Manganese	0.24	B	0.200	0.447		mg/L		103	75 - 125	1	20

Lab Sample ID: MB 480-643865/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 644234 — **Prep Batch: 643921**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		10/04/22 16:39	10/05/22 19:02	1
Manganese	ND		0.0030	0.00040	mg/L		10/04/22 16:39	10/05/22 19:02	1

Lab Sample ID: LCS 480-643865/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 644234 — **Prep Batch: 643921**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron			10.0	9.96		mg/L		99	80 - 120		
Manganese			0.200	0.209		mg/L		105	80 - 120		

Lab Sample ID: 480-202205-1 MS — **Client Sample ID: BR07-31**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 644234 — **Prep Batch: 643921**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron	ND		10.0	9.67		mg/L		97	75 - 125		
Manganese	0.11		0.200	0.311		mg/L		102	75 - 125		

Lab Sample ID: 480-202205-1 MSD — **Client Sample ID: BR07-31**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 644234 — **Prep Batch: 643921**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	ND		10.0	9.48		mg/L		95	75 - 125	2	20
Manganese	0.11		0.200	0.306		mg/L		99	75 - 125	2	20

Method: 410.4 - COD

Lab Sample ID: MB 480-644171/27
Matrix: Water
Analysis Batch: 644171

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			10/05/22 20:45	1

Lab Sample ID: MB 480-644171/51
Matrix: Water
Analysis Batch: 644171

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			10/05/22 20:45	1

Lab Sample ID: LCS 480-644171/28
Matrix: Water
Analysis Batch: 644171

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	25.67		mg/L		103	90 - 110

Lab Sample ID: LCS 480-644171/52
Matrix: Water
Analysis Batch: 644171

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	24.28		mg/L		97	90 - 110

Lab Sample ID: 480-202205-6 MS
Matrix: Water
Analysis Batch: 644171

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
Chemical Oxygen Demand	20.1		50.0	79.24		mg/L		118	75 - 125

Lab Sample ID: 480-202205-16 MS
Matrix: Water
Analysis Batch: 644171

Client Sample ID: OW1-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	10.0		50.0	67.06		mg/L		114	75 - 125

Lab Sample ID: 480-202205-16 MSD
Matrix: Water
Analysis Batch: 644171

Client Sample ID: OW1-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	10.0		50.0	64.63		mg/L		109	75 - 125	4	20

Lab Sample ID: 480-202205-18 MS
Matrix: Water
Analysis Batch: 644171

Client Sample ID: OW2-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	87.9		50.0	135.6		mg/L		95	75 - 125

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

Lab Sample ID: MB 480-645047/28
Matrix: Water
Analysis Batch: 645047

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			10/11/22 02:59	1

Lab Sample ID: MB 480-645047/4
Matrix: Water
Analysis Batch: 645047

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			10/10/22 15:21	1

Lab Sample ID: LCS 480-645047/29
Matrix: Water
Analysis Batch: 645047

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	57.90		mg/L		96	90 - 110

Lab Sample ID: LCS 480-645047/5
Matrix: Water
Analysis Batch: 645047

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	57.57		mg/L		96	90 - 110

Lab Sample ID: 480-202205-3 MS
Matrix: Water
Analysis Batch: 645047

Client Sample ID: BR08-33
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Quad	0.47	J	23.3	23.60		mg/L		99	54 - 131

Lab Sample ID: 480-202205-5 MS
Matrix: Water
Analysis Batch: 645047

Client Sample ID: BR08-35
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Quad	ND		23.3	24.85		mg/L		107	54 - 131

Lab Sample ID: 480-202205-10 MS
Matrix: Water
Analysis Batch: 645047

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	0.99	J	23.3	24.35		mg/L		100	54 - 131

Lab Sample ID: 480-202205-15 MS
Matrix: Water
Analysis Batch: 645047

Client Sample ID: OB09-38
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	25.53		mg/L		103	54 - 131

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

Lab Sample ID: 480-202205-4 DU
Client Sample ID: BR08-34
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 645047

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Quad	13.1			12.91		mg/L				2	20

Lab Sample ID: 480-202205-6 DU
Client Sample ID: BR09-37
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 645047

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Quad	1.9			1.87		mg/L				0.9	20

Lab Sample ID: 480-202205-11 DU
Client Sample ID: IW2-3
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 645047

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Quad	1.4			1.35		mg/L				3	20

Lab Sample ID: 480-202205-16 DU
Client Sample ID: OW1-1
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 645047

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Quad	1.7			1.78		mg/L				4	20

GC/MS VOA

Analysis Batch: 644605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-1	BR07-31	Total/NA	Water	8260C	
480-202205-2	BR07-32	Total/NA	Water	8260C	
480-202205-3	BR08-33	Total/NA	Water	8260C	
480-202205-4	BR08-34	Total/NA	Water	8260C	
480-202205-5	BR08-35	Total/NA	Water	8260C	
480-202205-6	BR09-37	Total/NA	Water	8260C	
480-202205-7	BR09-39	Total/NA	Water	8260C	
480-202205-8	BR10-46	Total/NA	Water	8260C	
480-202205-9	BR10-47	Total/NA	Water	8260C	
480-202205-10	IW2-1	Total/NA	Water	8260C	
480-202205-11	IW2-3	Total/NA	Water	8260C	
480-202205-12	MW05-10	Total/NA	Water	8260C	
480-202205-13	MW05-21	Total/NA	Water	8260C	
480-202205-14	OB09-36	Total/NA	Water	8260C	
480-202205-15	OB09-38	Total/NA	Water	8260C	
480-202205-16	OW1-1	Total/NA	Water	8260C	
480-202205-17	OW1-4	Total/NA	Water	8260C	
480-202205-18	OW2-2	Total/NA	Water	8260C	
MB 480-644605/8	Method Blank	Total/NA	Water	8260C	
LCS 480-644605/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 644710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-6 - DL	BR09-37	Total/NA	Water	8260C	
480-202205-7 - DL	BR09-39	Total/NA	Water	8260C	
480-202205-8 - DL	BR10-46	Total/NA	Water	8260C	
MB 480-644710/7	Method Blank	Total/NA	Water	8260C	
LCS 480-644710/5	Lab Control Sample	Total/NA	Water	8260C	

Metals

Prep Batch: 643719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-1	BR07-31	Total/NA	Water	3005A	
480-202205-2	BR07-32	Total/NA	Water	3005A	
480-202205-3	BR08-33	Total/NA	Water	3005A	
480-202205-4	BR08-34	Total/NA	Water	3005A	
480-202205-5	BR08-35	Total/NA	Water	3005A	
480-202205-6	BR09-37	Total/NA	Water	3005A	
480-202205-7	BR09-39	Total/NA	Water	3005A	
480-202205-8	BR10-46	Total/NA	Water	3005A	
480-202205-9	BR10-47	Total/NA	Water	3005A	
480-202205-10	IW2-1	Total/NA	Water	3005A	
480-202205-11	IW2-3	Total/NA	Water	3005A	
480-202205-12	MW05-10	Total/NA	Water	3005A	
480-202205-13	MW05-21	Total/NA	Water	3005A	
480-202205-14	OB09-36	Total/NA	Water	3005A	
480-202205-15	OB09-38	Total/NA	Water	3005A	
480-202205-16	OW1-1	Total/NA	Water	3005A	
480-202205-17	OW1-4	Total/NA	Water	3005A	
480-202205-18	OW2-2	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 643719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-643719/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-643719/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-202205-3 MS	BR08-33	Total/NA	Water	3005A	
480-202205-3 MSD	BR08-33	Total/NA	Water	3005A	

Filtration Batch: 643865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-1	BR07-31	Dissolved	Water	FILTRATION	
480-202205-2	BR07-32	Dissolved	Water	FILTRATION	
480-202205-3	BR08-33	Dissolved	Water	FILTRATION	
480-202205-4	BR08-34	Dissolved	Water	FILTRATION	
480-202205-5	BR08-35	Dissolved	Water	FILTRATION	
480-202205-6	BR09-37	Dissolved	Water	FILTRATION	
480-202205-7	BR09-39	Dissolved	Water	FILTRATION	
480-202205-8	BR10-46	Dissolved	Water	FILTRATION	
480-202205-9	BR10-47	Dissolved	Water	FILTRATION	
480-202205-10	IW2-1	Dissolved	Water	FILTRATION	
480-202205-11	IW2-3	Dissolved	Water	FILTRATION	
480-202205-12	MW05-10	Dissolved	Water	FILTRATION	
480-202205-13	MW05-21	Dissolved	Water	FILTRATION	
480-202205-14	OB09-36	Dissolved	Water	FILTRATION	
480-202205-15	OB09-38	Dissolved	Water	FILTRATION	
480-202205-16	OW1-1	Dissolved	Water	FILTRATION	
480-202205-17	OW1-4	Dissolved	Water	FILTRATION	
480-202205-18	OW2-2	Dissolved	Water	FILTRATION	
MB 480-643865/1-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-643865/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
480-202205-1 MS	BR07-31	Dissolved	Water	FILTRATION	
480-202205-1 MSD	BR07-31	Dissolved	Water	FILTRATION	

Analysis Batch: 643869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-1	BR07-31	Total/NA	Water	6010C	643719
480-202205-2	BR07-32	Total/NA	Water	6010C	643719
480-202205-3	BR08-33	Total/NA	Water	6010C	643719
480-202205-4	BR08-34	Total/NA	Water	6010C	643719
480-202205-5	BR08-35	Total/NA	Water	6010C	643719
480-202205-6	BR09-37	Total/NA	Water	6010C	643719
480-202205-7	BR09-39	Total/NA	Water	6010C	643719
480-202205-8	BR10-46	Total/NA	Water	6010C	643719
480-202205-9	BR10-47	Total/NA	Water	6010C	643719
480-202205-10	IW2-1	Total/NA	Water	6010C	643719
480-202205-11	IW2-3	Total/NA	Water	6010C	643719
480-202205-12	MW05-10	Total/NA	Water	6010C	643719
480-202205-13	MW05-21	Total/NA	Water	6010C	643719
480-202205-14	OB09-36	Total/NA	Water	6010C	643719
480-202205-15	OB09-38	Total/NA	Water	6010C	643719
480-202205-16	OW1-1	Total/NA	Water	6010C	643719
480-202205-17	OW1-4	Total/NA	Water	6010C	643719
480-202205-18	OW2-2	Total/NA	Water	6010C	643719
MB 480-643719/1-A	Method Blank	Total/NA	Water	6010C	643719

Metals (Continued)

Analysis Batch: 643869 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-643719/2-A	Lab Control Sample	Total/NA	Water	6010C	643719
480-202205-3 MS	BR08-33	Total/NA	Water	6010C	643719
480-202205-3 MSD	BR08-33	Total/NA	Water	6010C	643719

Prep Batch: 643921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-1	BR07-31	Dissolved	Water	3005A	643865
480-202205-2	BR07-32	Dissolved	Water	3005A	643865
480-202205-3	BR08-33	Dissolved	Water	3005A	643865
480-202205-4	BR08-34	Dissolved	Water	3005A	643865
480-202205-5	BR08-35	Dissolved	Water	3005A	643865
480-202205-6	BR09-37	Dissolved	Water	3005A	643865
480-202205-7	BR09-39	Dissolved	Water	3005A	643865
480-202205-8	BR10-46	Dissolved	Water	3005A	643865
480-202205-9	BR10-47	Dissolved	Water	3005A	643865
480-202205-10	IW2-1	Dissolved	Water	3005A	643865
480-202205-11	IW2-3	Dissolved	Water	3005A	643865
480-202205-12	MW05-10	Dissolved	Water	3005A	643865
480-202205-13	MW05-21	Dissolved	Water	3005A	643865
480-202205-14	OB09-36	Dissolved	Water	3005A	643865
480-202205-15	OB09-38	Dissolved	Water	3005A	643865
480-202205-16	OW1-1	Dissolved	Water	3005A	643865
480-202205-17	OW1-4	Dissolved	Water	3005A	643865
480-202205-18	OW2-2	Dissolved	Water	3005A	643865
MB 480-643865/1-B	Method Blank	Dissolved	Water	3005A	643865
LCS 480-643865/2-B	Lab Control Sample	Dissolved	Water	3005A	643865
480-202205-1 MS	BR07-31	Dissolved	Water	3005A	643865
480-202205-1 MSD	BR07-31	Dissolved	Water	3005A	643865

Analysis Batch: 644234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-1	BR07-31	Dissolved	Water	6010C	643921
480-202205-2	BR07-32	Dissolved	Water	6010C	643921
480-202205-3	BR08-33	Dissolved	Water	6010C	643921
480-202205-4	BR08-34	Dissolved	Water	6010C	643921
480-202205-5	BR08-35	Dissolved	Water	6010C	643921
480-202205-6	BR09-37	Dissolved	Water	6010C	643921
480-202205-7	BR09-39	Dissolved	Water	6010C	643921
480-202205-8	BR10-46	Dissolved	Water	6010C	643921
480-202205-9	BR10-47	Dissolved	Water	6010C	643921
480-202205-10	IW2-1	Dissolved	Water	6010C	643921
480-202205-11	IW2-3	Dissolved	Water	6010C	643921
480-202205-12	MW05-10	Dissolved	Water	6010C	643921
480-202205-13	MW05-21	Dissolved	Water	6010C	643921
480-202205-14	OB09-36	Dissolved	Water	6010C	643921
480-202205-15	OB09-38	Dissolved	Water	6010C	643921
480-202205-16	OW1-1	Dissolved	Water	6010C	643921
480-202205-17	OW1-4	Dissolved	Water	6010C	643921
480-202205-18	OW2-2	Dissolved	Water	6010C	643921
MB 480-643865/1-B	Method Blank	Dissolved	Water	6010C	643921
LCS 480-643865/2-B	Lab Control Sample	Dissolved	Water	6010C	643921

Metals (Continued)

Analysis Batch: 644234 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-1 MS	BR07-31	Dissolved	Water	6010C	643921
480-202205-1 MSD	BR07-31	Dissolved	Water	6010C	643921

General Chemistry

Analysis Batch: 643608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-1	BR07-31	Total/NA	Water	Nitrate by calc	
480-202205-2	BR07-32	Total/NA	Water	Nitrate by calc	
480-202205-3	BR08-33	Total/NA	Water	Nitrate by calc	
480-202205-4	BR08-34	Total/NA	Water	Nitrate by calc	
480-202205-5	BR08-35	Total/NA	Water	Nitrate by calc	
480-202205-6	BR09-37	Total/NA	Water	Nitrate by calc	
480-202205-7	BR09-39	Total/NA	Water	Nitrate by calc	
480-202205-8	BR10-46	Total/NA	Water	Nitrate by calc	
480-202205-9	BR10-47	Total/NA	Water	Nitrate by calc	
480-202205-10	IW2-1	Total/NA	Water	Nitrate by calc	
480-202205-11	IW2-3	Total/NA	Water	Nitrate by calc	
480-202205-12	MW05-10	Total/NA	Water	Nitrate by calc	
480-202205-13	MW05-21	Total/NA	Water	Nitrate by calc	
480-202205-14	OB09-36	Total/NA	Water	Nitrate by calc	
480-202205-15	OB09-38	Total/NA	Water	Nitrate by calc	
480-202205-16	OW1-1	Total/NA	Water	Nitrate by calc	
480-202205-17	OW1-4	Total/NA	Water	Nitrate by calc	
480-202205-18	OW2-2	Total/NA	Water	Nitrate by calc	

Analysis Batch: 644171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-1	BR07-31	Total/NA	Water	410.4	
480-202205-2	BR07-32	Total/NA	Water	410.4	
480-202205-3	BR08-33	Total/NA	Water	410.4	
480-202205-4	BR08-34	Total/NA	Water	410.4	
480-202205-5	BR08-35	Total/NA	Water	410.4	
480-202205-6	BR09-37	Total/NA	Water	410.4	
480-202205-7	BR09-39	Total/NA	Water	410.4	
480-202205-8	BR10-46	Total/NA	Water	410.4	
480-202205-9	BR10-47	Total/NA	Water	410.4	
480-202205-10	IW2-1	Total/NA	Water	410.4	
480-202205-11	IW2-3	Total/NA	Water	410.4	
480-202205-12	MW05-10	Total/NA	Water	410.4	
480-202205-13	MW05-21	Total/NA	Water	410.4	
480-202205-14	OB09-36	Total/NA	Water	410.4	
480-202205-15	OB09-38	Total/NA	Water	410.4	
480-202205-16	OW1-1	Total/NA	Water	410.4	
480-202205-17	OW1-4	Total/NA	Water	410.4	
480-202205-18	OW2-2	Total/NA	Water	410.4	
MB 480-644171/27	Method Blank	Total/NA	Water	410.4	
MB 480-644171/51	Method Blank	Total/NA	Water	410.4	
LCS 480-644171/28	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-644171/52	Lab Control Sample	Total/NA	Water	410.4	
480-202205-6 MS	BR09-37	Total/NA	Water	410.4	

General Chemistry (Continued)

Analysis Batch: 644171 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-16 MS	OW1-1	Total/NA	Water	410.4	
480-202205-16 MSD	OW1-1	Total/NA	Water	410.4	
480-202205-18 MS	OW2-2	Total/NA	Water	410.4	

Analysis Batch: 645047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202205-1	BR07-31	Total/NA	Water	9060A	
480-202205-2	BR07-32	Total/NA	Water	9060A	
480-202205-3	BR08-33	Total/NA	Water	9060A	
480-202205-4	BR08-34	Total/NA	Water	9060A	
480-202205-5	BR08-35	Total/NA	Water	9060A	
480-202205-6	BR09-37	Total/NA	Water	9060A	
480-202205-7	BR09-39	Total/NA	Water	9060A	
480-202205-8	BR10-46	Total/NA	Water	9060A	
480-202205-9	BR10-47	Total/NA	Water	9060A	
480-202205-10	IW2-1	Total/NA	Water	9060A	
480-202205-11	IW2-3	Total/NA	Water	9060A	
480-202205-12	MW05-10	Total/NA	Water	9060A	
480-202205-13	MW05-21	Total/NA	Water	9060A	
480-202205-14	OB09-36	Total/NA	Water	9060A	
480-202205-15	OB09-38	Total/NA	Water	9060A	
480-202205-16	OW1-1	Total/NA	Water	9060A	
480-202205-17	OW1-4	Total/NA	Water	9060A	
480-202205-18	OW2-2	Total/NA	Water	9060A	
MB 480-645047/28	Method Blank	Total/NA	Water	9060A	
MB 480-645047/4	Method Blank	Total/NA	Water	9060A	
LCS 480-645047/29	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-645047/5	Lab Control Sample	Total/NA	Water	9060A	
480-202205-3 MS	BR08-33	Total/NA	Water	9060A	
480-202205-5 MS	BR08-35	Total/NA	Water	9060A	
480-202205-10 MS	IW2-1	Total/NA	Water	9060A	
480-202205-15 MS	OB09-38	Total/NA	Water	9060A	
480-202205-4 DU	BR08-34	Total/NA	Water	9060A	
480-202205-6 DU	BR09-37	Total/NA	Water	9060A	
480-202205-11 DU	IW2-3	Total/NA	Water	9060A	
480-202205-16 DU	OW1-1	Total/NA	Water	9060A	

Client Sample ID: BR07-31
Lab Sample ID: 480-202205-1

Date Collected: 09/29/22 11:00
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 02:00
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 19:09
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 21:17
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/10/22 16:20
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:04

Client Sample ID: BR07-32
Lab Sample ID: 480-202205-2

Date Collected: 09/29/22 14:10
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 02:22
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 19:40
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 21:21
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/10/22 17:18
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:05

Client Sample ID: BR08-33
Lab Sample ID: 480-202205-3

Date Collected: 09/30/22 10:50
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	644605	AXK	EET BUF	10/10/22 02:44
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 19:44
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 21:24
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/10/22 18:16
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:15

Client Sample ID: BR08-34
Lab Sample ID: 480-202205-4

Date Collected: 09/30/22 11:20
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 03:06
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 19:48
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 21:56
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/10/22 19:15
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:12

Client Sample ID: BR08-35
Lab Sample ID: 480-202205-5

Date Collected: 09/30/22 11:45
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 03:28
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 19:53
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:00
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 00:05
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:16

Client Sample ID: BR09-37
Lab Sample ID: 480-202205-6

Date Collected: 09/30/22 10:05
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	644605	AXK	EET BUF	10/10/22 03:50
Total/NA	Analysis	8260C	DL	2000	644710	AXK	EET BUF	10/10/22 14:04
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 19:57
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:04
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 01:03
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:09

Lab Chronicle

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Client Sample ID: BR09-39
Lab Sample ID: 480-202205-7
Date Collected: 09/30/22 09:40
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 04:12
Total/NA	Analysis	8260C	DL	5	644710	AXK	EET BUF	10/10/22 14:26
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:01
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:08
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 01:32
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:18

Client Sample ID: BR10-46
Lab Sample ID: 480-202205-8
Date Collected: 09/30/22 09:20
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 04:34
Total/NA	Analysis	8260C	DL	2	644710	AXK	EET BUF	10/10/22 14:47
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:04
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:12
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 03:57
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:19

Client Sample ID: BR10-47
Lab Sample ID: 480-202205-9
Date Collected: 09/30/22 09:00
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 04:56
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:20
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:16
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 04:27
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:29

Client Sample ID: IW2-1
Lab Sample ID: 480-202205-10

Date Collected: 09/30/22 08:30
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		8	644605	AXK	EET BUF	10/10/22 05:18
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:24
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:20
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 05:26
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:20

Client Sample ID: IW2-3
Lab Sample ID: 480-202205-11

Date Collected: 09/29/22 16:10
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 05:40
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:28
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:24
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 06:23
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:22

Client Sample ID: MW05-10
Lab Sample ID: 480-202205-12

Date Collected: 09/29/22 14:35
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 06:02
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:32
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:39
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 06:52
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:34

Client Sample ID: MW05-21
Lab Sample ID: 480-202205-13

Date Collected: 09/29/22 10:35
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 06:24
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:36
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:43
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 07:22
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:36

Client Sample ID: OB09-36
Lab Sample ID: 480-202205-14

Date Collected: 09/29/22 16:40
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 06:46
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:40
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:47
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 08:49
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:31

Client Sample ID: OB09-38
Lab Sample ID: 480-202205-15

Date Collected: 09/29/22 15:40
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 07:08
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:44
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:51
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 09:47
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:37

Client Sample ID: OW1-1
Lab Sample ID: 480-202205-16

Date Collected: 09/29/22 15:10
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	644605	AXK	EET BUF	10/10/22 07:30
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:48
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:55
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 10:45
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:42

Client Sample ID: OW1-4
Lab Sample ID: 480-202205-17

Date Collected: 09/30/22 10:25
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	644605	AXK	EET BUF	10/10/22 07:52
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 20:52
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 22:59
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 11:15
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:38

Client Sample ID: OW2-2
Lab Sample ID: 480-202205-18

Date Collected: 09/30/22 07:50
Matrix: Water
Date Received: 10/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644605	AXK	EET BUF	10/10/22 08:14
Dissolved	Filtration	FILTRATION			643865	VAK	EET BUF	10/04/22 09:48
Dissolved	Prep	3005A			643921	VAK	EET BUF	10/04/22 16:39
Dissolved	Analysis	6010C		1	644234	LMH	EET BUF	10/05/22 21:07
Total/NA	Prep	3005A			643719	VAK	EET BUF	10/03/22 11:57
Total/NA	Analysis	6010C		1	643869	BMB	EET BUF	10/03/22 23:03
Total/NA	Analysis	410.4		1	644171	CSS	EET BUF	10/05/22 20:45
Total/NA	Analysis	9060A		1	645047	KER	EET BUF	10/11/22 11:44
Total/NA	Analysis	Nitrate by calc		1	643608	CSS	EET BUF	10/01/22 19:45

Laboratory References:

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

Accreditation/Certification Summary

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

Method Summary

Client: Geologic NY Inc
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
410.4	COD	MCAWW	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:

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

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
Job ID: 480-202205-1
Project/Site: Pass & Seymour Site - Solvay, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-202205-1	BR07-31	Water	09/29/22 11:00	10/01/22 10:00
480-202205-2	BR07-32	Water	09/29/22 14:10	10/01/22 10:00
480-202205-3	BR08-33	Water	09/30/22 10:50	10/01/22 10:00
480-202205-4	BR08-34	Water	09/30/22 11:20	10/01/22 10:00
480-202205-5	BR08-35	Water	09/30/22 11:45	10/01/22 10:00
480-202205-6	BR09-37	Water	09/30/22 10:05	10/01/22 10:00
480-202205-7	BR09-39	Water	09/30/22 09:40	10/01/22 10:00
480-202205-8	BR10-46	Water	09/30/22 09:20	10/01/22 10:00
480-202205-9	BR10-47	Water	09/30/22 09:00	10/01/22 10:00
480-202205-10	IW2-1	Water	09/30/22 08:30	10/01/22 10:00
480-202205-11	IW2-3	Water	09/29/22 16:10	10/01/22 10:00
480-202205-12	MW05-10	Water	09/29/22 14:35	10/01/22 10:00
480-202205-13	MW05-21	Water	09/29/22 10:35	10/01/22 10:00
480-202205-14	OB09-36	Water	09/29/22 16:40	10/01/22 10:00
480-202205-15	OB09-38	Water	09/29/22 15:40	10/01/22 10:00
480-202205-16	OW1-1	Water	09/29/22 15:10	10/01/22 10:00
480-202205-17	OW1-4	Water	09/30/22 10:25	10/01/22 10:00
480-202205-18	OW2-2	Water	09/30/22 07:50	10/01/22 10:00

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: Joseph Menzel	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-177433-38039.1
Client Contact: Mr. Forrest Earl	Phone: 315-254-8409	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Geologic NY Inc	PWSID:			Job #:
Address: PO BOX 350 37 Copeland Ave	Due Date Requested: Standard	Analysis Requested		
City: Homer	TAT Requested (days):			Preservation Codes:
State, Zip: NY, 13077	Compliance Project: Δ Yes Δ No			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify)
Phone: 607-749-5000(Tel)	PO #: Purchase Order not required			
Email: forrest@geologic.net	WO #:			
Project Name: Pass & Seymour Site - Solvay, NY	Project #: 48025599			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	410.4 - COD	6010C - Total Fe & Mn	8260C - TCL List VOC's	9060A - Organic Carbon, Total (TOC)	353.2, 353.2_Nitrite, Nitrate_Calc	6010C - Dissolved Fe & Mn	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	S	D	A	A	N	N		
BR07-31	9-29-22	11:00	G	Water			x	x	x	x	x	x		
BR07-32	9-29-22	14:10	G	Water										
BR08-33	9-30-22	10:50	G	Water										
BR08-34	9-30-22	11:20	G	Water										
BR08-35	9-30-22	11:45	G	Water										
BR09-37	9-30-22	10:05	G	Water										
BR09-39	9-30-22	9:40	G	Water										
BR10-46	9-30-22	9:20	G	Water										
BR10-47	9-30-22	9:00	G	Water										
IW2-1	9-30-22	8:30	G	Water										
IW2-3	9-29-22	16:10	G	Water										

480-202205 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: [illegible] / ENY	Date/Time: 9-30-22 / 12:42	Company	Received by: R English	Date/Time: 9-30-22, 12:42	Company		
Relinquished by: R English	Date/Time: 9-30-22, 1900	Company	Received by: [signature]	Date/Time: 10/1/22 1000	Company TAS		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

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

Cooler Temperature(s) °C and Other Remarks: #1 2.7, 2.4, 3.4, 3.0

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information
Client Contact: Mr. Forrest Earl
Company: Geologic NY Inc
Address: PO BOX 360 37 Copeland Ave
City: Homer
State, Zip: NY, 13077
Phone: 607-749-5000(Tel)
Email: forrest@geologic.net
Project Name: Pass & Seymour Site - Solvay, NY
Site:

Sampler: Joseph Menzel
Phone: 315-254-8409
PWSID:
Due Date Requested: Standard
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: Purchase Order not required
WO #:
Project #: 48025599
SSOW#:

Lab PM: Beninati, John
E-Mail: John.Beninati@et.eurofinsus.com
Carrier Tracking No(s): Syracuse #225
State of Origin:

COC No: 480-177433-38039.2
Page: Page 2 of 2
Job #:

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Total Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	410.4 - COD	6010C - Total Fe & Mn	8260C - TCL List VOC's	9060A - Organic Carbon, Total (TOC)	353.2, 353.2_Nitrate, Calc	6010C - Dissolved Fe & Mn	Total Number of containers	Special Instructions/Note:
Preservation Code:								D	A	A	N	N		
MW05-10	9-29-22	14:35	G	Water			X	X	X	X	X	X		
MW05-21	9-29-22	10:35	G	Water										
OB09-36	9-29-22	16:40		Water										
OB09-38	9-29-22	15:40		Water										
OW1-1	9-29-22	15:10		Water										
OW1-4	9-30-22	10:25		Water										
OW2-2	9-30-22	7:50		Water										
				Water			↓	↓	↓	↓	↓	↓		
RE 9-30														

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

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

Deliverable Requested: I, II, III, IV, Other (specify)
Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:	Method of Shipment:
Relinquished by:	Date/Time: 9-30-22 12:42	Company: Eyn	Received by: R.English	Date/Time: 9.30-22, 12:42	Company: Eyn
Relinquished by: R.English	Date/Time: 9-30-22, 1900	Company: Eyn	Received by: C.Walker	Date/Time: 10/1/22 1000	Company: TAS
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Geologic NY Inc

Job Number: 480-202205-1

Login Number: 202205

List Source: Eurofins Buffalo

List Number: 1

Creator: Wallace, Cameron

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