Environmental Monitoring Report

2022 Annual Report

Prattsburgh Landfill (Closed)

Wheaton Road

Town of Cohocton, Steuben County, New York

NYSDEC No. 8-51-013

Prepared for

Steuben County Department of Public Works

3 East Pulteney Square

Bath, New York 14810

June 2022

Barton&Loguidice

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Prepared by:

Barton & Loguidice, P.L.L.C.
443 Electronics Parkway
Liverpool, New York 13088

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SAMPLE COLLECTION INFORMATION

Sampling Firm: Barton & Loguidice, P.L.L.C.

Sampling Dates: June 20, 2022

Sampling Locations: (See Figure 1 - Site Location Map)

Monitoring Wells:

	Overburden Unit		Bedrock Unit	
Upgradient	OWB-103[3]	OWB-104[4]	B-106	B-108
Downgradient	OWB-101[1]	OWB-102	B-105 B-107 B-109[2]	B-110 B-111

Notes:
[1] Dry Location – No Sample Taken
[2] MW-X Duplicate Sample Location
[3] MS/MSD Location
[4] Sample Not Required

Field Determinations:
pH
Temperature
Turbidity
Specific Conductance
Eh (Oxidation Reduction Potential)
Groundwater Elevation Levels

SAMPLE TESTING

Laboratory:
ALS Environmental
1565 Jefferson Road
Building 300, Suite 360
Rochester, New York 14623
716-691-2600

Test Report: Analysis Report #R2205661

Parameters Tested: Monitoring well samples were analyzed for NYSDEC Part 360 Special Baseline parameters.

ASSESSMENT OF MONITORING RESULTS

Background

The Prattsburgh Landfill is located west of Wheaton Road in the Town of Cohocton, New York. The landfill is 12 acres in size and was originally operated by the Towns of Cohocton and Prattsburgh. In 1976, the site was leased by Steuben County which operated the site until 1986 when the landfill was closed. The Prattsburgh landfill has been classified by NYSDEC as a Class 2 Inactive Hazardous Waste Site, later re-classified as a Class 4 Inactive Hazardous Waste Site (1997), and is assigned No. 8-51-013.

Introduction

This annual report presents the results of environmental monitoring performed during June 2022 for the closed Prattsburgh Landfill, Steuben County, New York. The environmental monitoring was conducted in accordance with the Prattsburgh Landfill Cap Post-Closure Monitoring and Maintenance Operations Manual (Stearns & Wheler, LLC, March 1996) and NYSDEC reduction letter dated July 11, 2001. Field samples were collected from the designated monitoring points by field representatives from Barton & Loguidice, P.L.L.C. (B&L) on June 20, 2022 and were submitted to ALS Environmental (ALS) for analysis.

The Prattsburgh Landfill monitoring network consists of 10 monitoring well locations. Three of the locations represent the overburden monitoring unit and seven locations represent the bedrock monitoring unit present at the site. The overburden monitoring locations are identified with a prefix "OWB" and the bedrock unit monitoring well are identified with a prefix "B." Each monitoring unit has a designated upgradient monitoring location representing "naturally-occurring" groundwater quality. During the 2022 annual sampling event, OWB-101 was reported as dry and unable to be sampled. All other monitoring locations were analyzed for an abbreviated NYSDEC Part 360 Baseline parameters list.

Included as Appendix E of this report is the 2022 Periodic Report Review for the Prattsburgh Landfill prepared by Barton & Loguidice, P.L.L.C.

Overburden Unit

During this monitoring event groundwater samples were obtained from two of the three sampling locations representing the Overburden Unit. Monitoring location OWB-101 was reported as dry and unable to be sampled. Historical groundwater quality data (2004-present) is included in tabular form in Appendix C and all Part 703 groundwater exceedances are included in Table 1.

Upgradient Groundwater Quality

Monitoring location OWB-103 represents the Overburden Unit upgradient groundwater quality for the landfill. OWB-103 exceeded the groundwater standards for pH, turbidity and total iron during the 2022 Second Quarter. No volatile organic compounds (VOCs) were detected within OWB-103 during this monitoring event. The results obtained during this monitoring event are consistent with historical results.

Downgradient Groundwater Quality

Monitoring location OWB-101, which has been reported dry since 2005, was again reported as dry and unable to be sampled during the 2022 annual monitoring event. Monitoring location OWB-102 represents downgradient groundwater quality for the Overburden Unit. OWB-102 exceeded the groundwater standard for total iron during the 2022 annual monitoring event. No VOCs were detected within OWB-102 during this monitoring event. The parameter concentrations are generally consistent with the historical data set. The Overburden Unit does not appear to be influenced by the closed Prattsburgh Landfill.

Bedrock Unit

Groundwater samples were obtained during this sampling event from all monitoring locations comprising the Bedrock Unit monitoring network. Historical groundwater quality data (2004-present) is included in tabular form in Appendix C, and groundwater standard exceedances are included in Table 1.

Upgradient Groundwater Quality

Monitoring locations B-106 and B-108 represent the Bedrock Unit upgradient groundwater quality from the landfill. Upgradient Bedrock Unit monitoring location B-106 did not exhibit any groundwater standard exceedances or VOC detections during this monitoring event. Monitoring location B-108 exceeded groundwater standards for pH, turbidity and total iron during this monitoring event. VOCs acetone and 2-butanone were also detected within B-108. The 2-butanone detection was an estimated concentration, and detected below the method reporting limit. The acetone concentration observed (69 ug/l) within upgradient monitoring well B-108 is elevated when compared to the downgradient locations and exceeds the groundwater guidance value established for acetone (50 ug/l). The result is consistent with the historical data for this location where acetone has been detected periodically. The 2022 upgradient bedrock unit groundwater results are generally consistent with historical results.

Downgradient Groundwater Quality Data

Monitoring locations B-105, B-107, B-109, B-110, and B-111 represent downgradient groundwater quality for the Bedrock Unit. The downgradient Bedrock Unit monitoring wells exhibited the following groundwater standard exceedances:

- B-105 – Total iron
- B-107 – Turbidity, total iron and total manganese
- B-109 – No exceedances
- B-110 – No exceedances
- B-111 – Total manganese

During this monitoring event VOCs were detected within three of the downgradient bedrock monitoring locations. These detections are at estimated concentrations below groundwater standards and include:

- B-105 – Low-level estimated concentrations of cis-1,2-Dichloroethene and tetrachloroethene
- B-107 – Low-level estimated concentrations of benzene, chlorobenzene, chloroethane, 1,4-Dichlorobenzene, cis-1,2 – Dichloroethene and 4-methyl-2-pentanone
- B-111 – Low-level estimated concentration of 2-butanone and a detected concentration of acetone.

The downgradient Bedrock Unit groundwater quality is generally consistent with the upgradient groundwater quality for inorganic parameters. The spectrum of VOCs observed within B-105, B-107 and B-111 are consistent with historical data for each location. It's important to note that the VOC detections in downgradient bedrock monitoring well samples were all at estimated (except for acetone reporting with B-111) concentrations below method reporting limits and were below applicable groundwater standards or guidance values. The detected concentration of acetone within B-111 is below the drinking water guidance value and also lower than the concentration observed within upgradient monitoring well B-108.

QUALITY CONTROL

Duplicate Sample Comparison

Precision and accuracy are measurements of reproducibility and the degree to which data approximate true values. These data qualities are controlled by defining acceptance limits for QC measurements associated with all reported data. Laboratory data precision is maintained by strict adherence to sampling procedures and analytical protocols. Precision is measured by monitoring the degree to which duplicate measurements are reproducible. Close agreement between field samples taken in duplicate and laboratory split duplicate samples provide measurements of sampling and laboratory precision. Close agreement is defined as an RPD value less than 20%.

If a RPD value is above 20%, the data must meet RPD qualification criteria, which require sample and duplicate results to be greater than five times the CRQL, the difference between the sample and the duplicate must be greater than two times the CRQL. This criterion addresses minor differences in value, generally reported at low detection limits, which exhibit a large percentage difference.

Precision is calculated as:

$$RPD = \frac{(D)}{(M)} \quad X\ 100$$

RPD = Relative Percent Difference
D = Difference between 2 measurements
M = Mean of 2 measurements

During the 2022 Second Quarter, a duplicate sample was collected for B-109. The duplicate comparison location between B-109 and Dupe-X did not yield any RPD values exceeding the established 20% RPD

criteria. Overall, the RPD comparison demonstrates an acceptable level of laboratory precision performed during the 2022 Second Quarter monitoring event.

Data Validation and Usability Analysis

An internal laboratory validation of the data was performed by the laboratory and is discussed in the individual case narrative summaries (see Appendix B).

CONCLUSIONS

The analytical data reported for the 2022 annual sampling event is generally consistent with historical data and does not indicate an influence from the closed Prattsburgh Landfill. Low-level VOC detections in downgradient bedrock monitoring wells will continue to be evaluated. The next post-closure monitoring event is scheduled to occur in the Second Quarter of 2023.

Tables

STEUBEN COUNTY - PRATTSBURGH LANDFILL
TABLE 1 - GROUNDWATER STANDARDS EXCEEDED (2022)

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	MONITORING WELL LOCATION									
		OWB-101 (DRY)	OWB-102	OWB-103	B-105	B-106	B-107	B-108	B-109	B-110	B-111
pH	6.5-8.5 Std. Units	-	-	6.34	-	-	-	6.24	-	-	-
Turbidity	5 NTU	-	-	11.3	-	-	8.07	78.7	-	-	-
Iron- T	0.3 mg/l	-	0.39	1.63	2.2	-	0.79	11.0	-	-	-
Manganese- T	0.3 mg/l	-	-	0.62	-	-	6.02	-	-	-	1.68

Figures

N

B–109

B–110

B–105

OWB–101

GATE

OWB–102

B–107

WOODS

B–11

WOODS

WOODS

GATE

OWB–103

OWB–104

B–108

B–106

WOODS

150’ 0 150’

1”=150’

LEGEND:

PROPERTY LINE

FENCE LINE

TREE LINE

SHALLOW OVERBURDEN MONITORING WELL

BEDROCK MONITORING WELL

APPROXIMATE LIMITS OF GEOMEMBRANE

STEUBEN COUNTY DEPARTMENT OF PUBLC WORKS
PRATTSBURGH LANDFILL

ANNUAL GROUNDWATER MONITORING PLAN

STEUBEN COUNTY, NEW YORK

TOWN OF PRATTSBURGH

Barton & Loguidice Engineers, PLLC
443 Electronics Parkway
Liverpool, NY
13088

Date
JANUARY 2023

Scale
AS SHOWN

Figure Number
1

Project Number
268.027.022

Plotted: Jan 25, 2023 – 6:57AM SYR By: bas
Z:\BL–Vault\D2\18217AD2–1C71–4823–8927–99D5C4054147\0\2812000–2812999\2812282\L\L\268027_FIG 1 (ID 2812282).dwg

N

B–109

B–105

B–110

OWB–101
(DRY)

GATE

(469.59)
OWB–102

B–107

470

WOODS

475

B–111

WOODS

480

485

WOODS

GATE

OWB–104
(NO DATA)

B–108

B–106

OWB–103
(487.02)

WOODS

150’ 0 150’
1”=150’

LEGEND:

- PROPERTY LINE
- FENCE LINE
- TREE LINE
- SHALLOW OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- APPROXIMATE LIMITS OF GEOMEMBRANE
- 470 — OVERBURDEN GROUNDWATER CONTOURS
- 470 — ASSUMED OVERBURDEN GROUNDWATER CONTOURS
- GROUNDWATER FLOW DIRECTION

ANNUAL GROUNDWATER MONITORING JUNE 2022
OVERBURDEN GROUNDWATER CONTOURS

STEUBEN COUNTY DEPARTMENT OF PUBLIC WORKS
PRATTSBURGH LANDFILL

STEUBEN COUNTY, NEW YORK

TOWN OF PRATTSBURGH

B&L
Barton & Loguidice Engineers, PLLC
443 Electronics Parkway
Liverpool, NY
13088

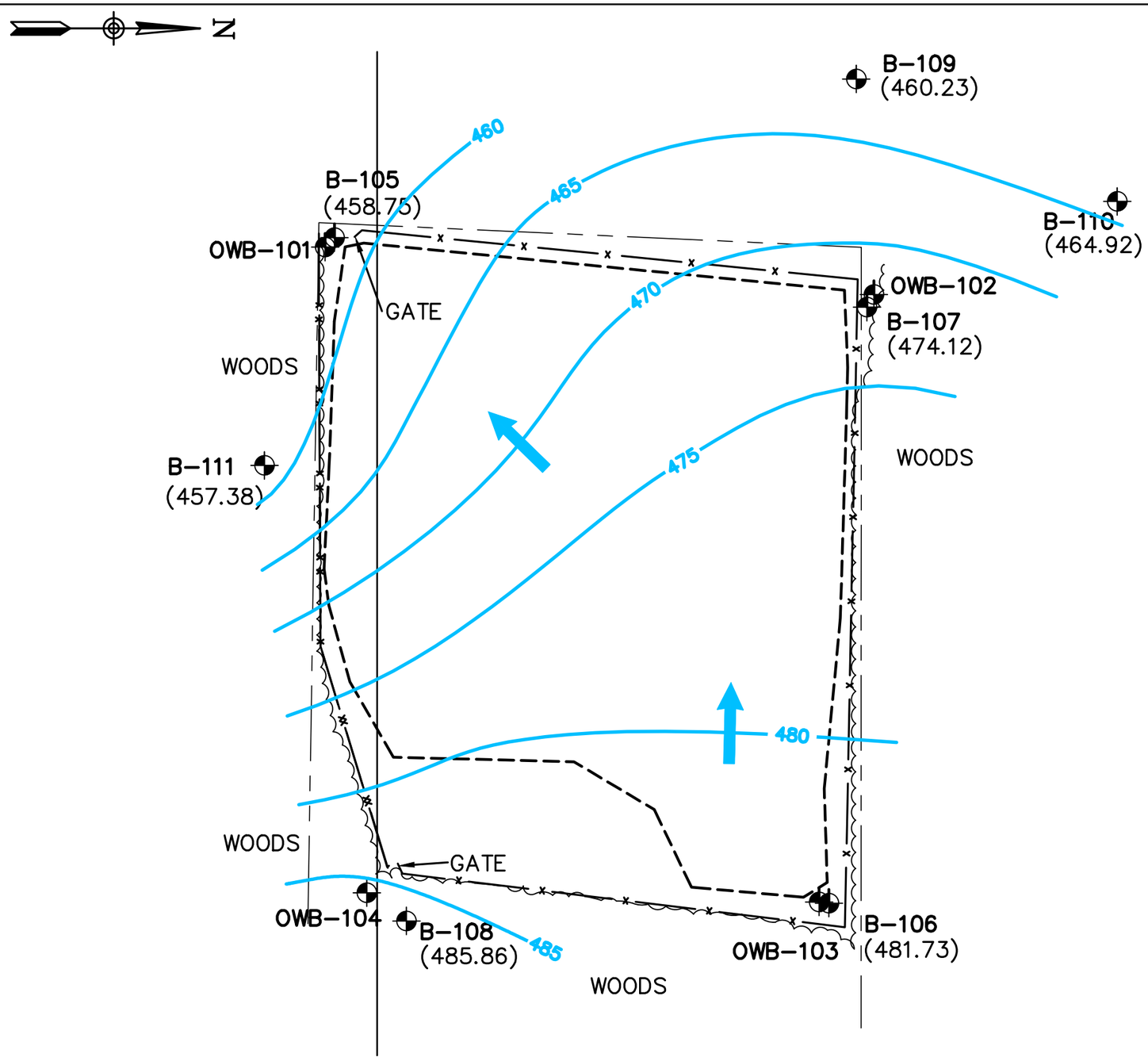
Date
JANUARY 2023

Scale
AS SHOWN

Figure Number
2

Project Number
268.027.022

Plotted: Jan 25, 2023 – 7:42AM SYR By: bas
Z:\BL-Vault\D2\18217AD2-1C71-4823-8927-99D5C4054147\0\2812000-2812999\2812281\LL\268027_FIG 2 & 3_2022 (ID 1547409) (ID 2812281).dwg



LEGEND:

- PROPERTY LINE
- FENCE LINE
- TREE LINE
- SHALLOW OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- APPROXIMATE LIMITS OF GEOMEMBRANE
- 470 BEDROCK GROUNDWATER CONTOURS
- –470– ASSUMED BEDROCK GROUNDWATER CONTOURS
- GROUNDWATER FLOW DIRECTION

150' 0 150'

1"=150'

ANNUAL GROUNDWATER MONITORING JUNE 2022
BEDROCK GROUNDWATER CONTOURS

STEUBEN COUNTY DEPARTMENT OF PUBLIC WORKS
PRATTSBURGH LANDFILL
TOWN OF PRATTSBURGH
STEUBEN COUNTY, NEW YORK

Barton & Loguidice Engineers, PLLC
443 Electronics Parkway
Liverpool, NY
13088

Date
JANUARY 2023

Scale
AS SHOWN

Figure Number
3

Project Number
268.027.022

Plotted: Jan 25, 2023 – 7:43AM SYR By: bas
Z:\BL-Vault\D2\18217AD2-1C71-4823-8927-99D5C4054147\0\2812000-2812999\2812281\LVL\268027_FIG 2 & 3_2022 (ID 1547409) (ID 2812281).dwg

Appendix A

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	**Prattsburgh Landfill**	**SAMPLE LOCATION:**	**OWB-101**
CLIENT:	**Steuben County**	**JOB #:**	**268.027.022**
Weather Conditions:		Temperature:	

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): _____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (feet)*:	
Measured Well Depth (feet)*:	31.46
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	

*depth from measuring point

Measuring Point: Top of Riser
Measured by: GJY / VBH
Date: 6/20/22
Time: 1206

PURGING METHOD

Equipment:

Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Calculated Volume Of Water To Be Purged (gallons): _____
Actual Volume of Water Purged (gallons): _____

Did well purge dry? No [ ] Yes [ ]
Did well recover? No [ ] Yes [ ] Recovery Time: _____

SAMPLING METHOD

Equipment:

Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Sampled by: GJY & VBH Time: _____ Date: _____

SAMPLING DATA

Sample Appearance
Color: _____ Sediment: _____
Odor: _____

Field Measured Parameters

pH (Standard Units)		Sp. Conductivity (umhos/cm)	
Temperature (F)		Eh-Redox Potential (mV)	
Turbidity (NTUs)		Dissolved Oxygen (mg/L)	-

Samples Collected (Number/Type):
Bottles- Special Baseline

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:
DUP- No Purge/Sample

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FIELD SAMPLING DATA SHEET

SITE:	Prattsburgh Landfill	**SAMPLE LOCATION:**	OWB-102
CLIENT:	Steuben County	**JOB #:**	268.027.022
Weather Conditions:	Sunny	Temperature:	70's

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (feet)*:	12.38
Measured Well Depth (feet)*:	23.58
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	0.99

*depth from measuring point

Measuring Point: Top of Riser
Measured by: GJY / VBH
Date: 6/20/22
Time: 1256

PURGING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Calculated Volume Of Water To Be Purged (gallons): 2.9
Actual Volume of Water Purged (gallons): 2.5

Did well purge dry? No [ ] Yes [X]
Did well recover? No [ ] Yes [X] Recovery Time: Overnight

SAMPLING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Sampled by: GJY & VBH Time: 1220 Date: 6/21/22

SAMPLING DATA

Sample Appearance
Color: Clear - Sediment: none
Odor: None

Field Measured Parameters

pH (Standard Units)	6.97	Sp. Conductivity (umhos/cm)	367
Temperature (F)	52.10	Eh-Redox Potential (mV)	160
Turbidity (NTUs)	4.51	Dissolved Oxygen (mg/L)	-

Samples Collected (Number/Type):
4 Bottles- Special Baseline 3 VOC @ 300 on 6/20/22

Samples Delivered to: ALS Time: ____ Date: ____

COMMENTS:

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FIELD SAMPLING DATA SHEET

SITE:	Prattsburgh Landfill	**SAMPLE LOCATION:**	OWB-103 (MS/MSD)
CLIENT:	Steuben County	**JOB #:**	268.027.022
Weather Conditions:	Overcast	Temperature:	60's

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (feet)*:	8.40
Measured Well Depth (feet)*:	16.27
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	1.18

*depth from measuring point

Measuring Point: Top of Riser
Measured by: GJY / VBH
Date: 6/20/22
Time: 1020

PURGING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Calculated Volume Of Water To Be Purged (gallons): 3.5
Actual Volume of Water Purged (gallons): 3.5

Did well purge dry? No [X] Yes [ ]
Did well recover? No [ ] Yes [X] Recovery Time: Overnight

SAMPLING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Sampled by: GJY & VBH Time: 1004 Date: 6/21/22

SAMPLING DATA

Sample Appearance
Color: Hazy Sediment: Fines Present
Odor: None

Field Measured Parameters

pH (Standard Units)	6.34	Sp. Conductivity (umhos/cm)	371
Temperature (F)	52.3	Eh-Redox Potential (mV)	162
Turbidity (NTUs)	11.30	Dissolved Oxygen (mg/L)	-

Samples Collected (Number/Type):
12 Bottles- Special Baseline (6+6) 6 VOC @ 1024 on 6/20/22

Samples Delivered to: ALS Time: ____ Date: ____

COMMENTS:
MS/MSD

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FIELD SAMPLING DATA SHEET

SITE:	Prattsburgh Landfill	**SAMPLE LOCATION:**	B-105
CLIENT:	Steuben County	**JOB #:**	268.027.022
Weather Conditions:	Partly Sunny	Temperature:	70's

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (feet)*:	40.95
Measured Well Depth (feet)*:	43.08
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	0.35

*depth from measuring point

Measuring Point: Top of Riser
Measured by: GJY / VBH
Date: 6/20/22
Time: 1205

PURGING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Calculated Volume Of Water To Be Purged (gallons): 1.02
Actual Volume of Water Purged (gallons): 1.02
Did well purge dry? No [ ] Yes [X] @ 1/3 Bailer
Did well recover? No [ ] Yes [ ] Recovery Time: Overnight

SAMPLING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Sampled by: GJY & VBH Time: 1112 Date: 6/21/22

SAMPLING DATA

Sample Appearance
Color: Clear - Sl. Haze Sediment: None
Odor: None

Field Measured Parameters

pH (Standard Units)	7.06	Sp. Conductivity (umhos/cm)	408
Temperature (F)	52.8	Eh-Redox Potential (mV)	137
Turbidity (NTUs)	5.72	Dissolved Oxygen (mg/L)	-

Samples Collected (Number/Type):
10 Bottles- Special Baseline 3VOC @ 1208 on 6/20/22

Samples Delivered to: ALS Time: ____ Date: ____

COMMENTS:

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FIELD SAMPLING DATA SHEET

SITE:	Prattsburgh Landfill	**SAMPLE LOCATION:**	B-106
CLIENT:	Steuben County	**JOB #:**	268.027.022
Weather Conditions:	Overcast	Temperature:	70's

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (feet)*:	14.00
Measured Well Depth (feet)*:	30.7
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	2.7

*depth from measuring point

Measuring Point: Top of Riser
Measured by: GJY / VBH
Date: 6/20/22
Time: 1021

PURGING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Calculated Volume Of Water To Be Purged (gallons): 8.0
Actual Volume of Water Purged (gallons): 3.5

Did well purge dry? No [ ] Yes [X]
Did well recover? No [ ] Yes [X] Recovery Time: Overnight

SAMPLING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Sampled by: GJY & VBH Time: 1010 Date: 6/21/22

SAMPLING DATA

Sample Appearance
Color: Clear Sediment: Some Suspends
Odor: None

Field Measured Parameters

pH (Standard Units)	7.77	Sp. Conductivity (umhos/cm)	263
Temperature (F)	50.0	Eh-Redox Potential (mV)	117
Turbidity (NTUs)	3.27	Dissolved Oxygen (mg/L)	-

Samples Collected (Number/Type):
4 Bottles- Special Baseline 3 VOC @ 1025 on 6/20/22

Samples Delivered to: ALS Time: ____ Date: ____

COMMENTS:

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FIELD SAMPLING DATA SHEET

SITE:	Prattsburgh Landfill	**SAMPLE LOCATION:**	B-107
CLIENT:	Steuben County	**JOB #:**	268.027.022
Weather Conditions:	Sunny	Temperature:	70-5

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (feet)*:	12.23
Measured Well Depth (feet)*:	36.9
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	1.97

*depth from measuring point

Measuring Point: Top of Riser
Measured by: GJY / VBH
Date: 6/20/22
Time: 1258

PURGING METHOD

Equipment:	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Calculated Volume Of Water To Be Purged (gallons): 5-9
Actual Volume of Water Purged (gallons): 3.5

Did well purge dry? No [ ] Yes [X]
Did well recover? No [ ] Yes [X] Recovery Time: Overnight

SAMPLING METHOD

Equipment:	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Sampled by: GJY & VBH Time: 1225 Date: 6/21/22

SAMPLING DATA

Sample Appearance
Color: Clear - SL Haze Sediment: Suspends / Fibrous matter
Odor: dead bugs / ants

Field Measured Parameters

pH (Standard Units)	6.92	Sp. Conductivity (umhos/cm)	542
Temperature (F)	51.0	Eh-Redox Potential (mV)	134
Turbidity (NTUs)	8.07	Dissolved Oxygen (mg/L)	-

Samples Collected (Number/Type):
12 Bottles- Special Baseline 3VOC @ 1306 on 6/20/22

Samples Delivered to: ALS Time: ____ Date: ____

COMMENTS:

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Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	Prattsburgh Landfill	**SAMPLE LOCATION:**	B-108
CLIENT:	Steuben County	**JOB #:**	268.027.022
Weather Conditions:	Overcast	Temperature:	60's

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (feet)*:	16.70
Measured Well Depth (feet)*:	17.88
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	0.19

*depth from measuring point

Measuring Point: Top of Riser
Measured by: GJY / VBH
Date: 6/20/22
Time: 1050

PURGING METHOD

Equipment:	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Calculated Volume Of Water To Be Purged (gallons): 0.57
Actual Volume of Water Purged (gallons): 0.20

Did well purge dry? No [ ] Yes [X]
Did well recover? No [ ] Yes [X] Recovery Time: ____

SAMPLING METHOD

Equipment:	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Sampled by: GJY & VBH Time: 1035 Date: 6/21/22

SAMPLING DATA

Sample Appearance
Color: cloudy Brown Sediment: Fines
Odor: none

Field Measured Parameters

pH (Standard Units)	6.24	Sp. Conductivity (umhos/cm)	50.82
Temperature (F)	54.1	Eh-Redox Potential (mV)	159
Turbidity (NTUs)	78.7	Dissolved Oxygen (mg/L)	-

Samples Collected (Number/Type):
6 Bottles- Special Baseline 3 VOC @ 1130 on 6/20/22

Samples Delivered to: ALS Time: ____ Date: ____

COMMENTS:

Rev. 4/09 (MPS)

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	Prattsburgh Landfill	**SAMPLE LOCATION:**	B-109 (Dupe-X)
CLIENT:	Steuben County	**JOB #:**	268.027.022
Weather Conditions:	Sunny	Temperature:	70's

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (feet)*:	19.02
Measured Well Depth (feet)*:	33.31
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	2.3

*depth from measuring point

Measuring Point: Top of Riser
Measured by: GJY / VBH
Date: 6/20/22
Time: 1324

PURGING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Calculated Volume Of Water To Be Purged (gallons): 6.9
Actual Volume of Water Purged (gallons): 7.0

Did well purge dry? No [X] Yes [ ]
Did well recover? No [ ] Yes [X] Recovery Time: Overnight

SAMPLING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Sampled by: GJY & VBH Time: 1250 Date: 6/21/22

SAMPLING DATA

Sample Appearance
Color: clear Sediment: none
Odor: none

Field Measured Parameters

pH (Standard Units)	7.14	Sp. Conductivity (umhos/cm)	275
Temperature (F)	55.9	Eh-Redox Potential (mV)	168
Turbidity (NTUs)	3.45	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):
12 Bottles- Special Baseline 6+6 TOC @1338hrs 6/20/22

Samples Delivered to: ALS Time: ____ Date: ____

COMMENTS:

Rev. 4/09 (MPS)

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	Prattsburgh Landfill	**SAMPLE LOCATION:**	B-110
CLIENT:	Steuben County	**JOB #:**	268.027.022
Weather Conditions:	Sunny	Temperature:	70's

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (feet)*:	4.79
Measured Well Depth (feet)*:	20.44
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	2.53

*depth from measuring point

Measuring Point: Top of Riser
Measured by: GJY / VBH
Date: 6/20/22
Time: 14:02

PURGING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Calculated Volume Of Water To Be Purged (gallons): 7.61
Actual Volume of Water Purged (gallons): 4.0

Did well purge dry? No [ ] Yes [✓]
Did well recover? No [ ] Yes [✓] Recovery Time: overnight

SAMPLING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Sampled by: GJY & VBH Time: 1327 Date: 6/21/22

SAMPLING DATA

Sample Appearance
Color: Clear Sediment: none
Odor: None

Field Measured Parameters

pH (Standard Units)	6.92	Sp. Conductivity (umhos/cm)	283
Temperature (F)	60.12	Eh-Redox Potential (mV)	159
Turbidity (NTUs)	2.84	Dissolved Oxygen (mg/L)	-

Samples Collected (Number/Type):
6 Bottles- Special Baseline 3 VOC @ 14:10 on 6/20/22

Samples Delivered to: ALS Time: ____ Date: ____

COMMENTS:

Rev. 4/09 (MPS)

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	Prattsburgh Landfill	**SAMPLE LOCATION:**	B-111
CLIENT:	Steuben County	**JOB #:**	268.027.022
Weather Conditions:	Sunny	Temperature:	70 - s

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (feet)*:	41.23
Measured Well Depth (feet)*:	52.7
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	1.84

*depth from measuring point

Measuring Point: Top of Riser
Measured by: GJY / VBH
Date: 6/20/22
Time: 1220

PURGING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Calculated Volume Of Water To Be Purged (gallons): 5.5
Actual Volume of Water Purged (gallons): 2.0

Did well purge dry? No [ ] Yes [X]
Did well recover? No [ ] Yes [X] Recovery Time: Overnight

SAMPLING METHOD

Equipment:						
	Bailer	[X]	Submersible Pump	[ ]	Air Lift System	[ ]
	Non-dedicated	[ ]	Foot Valve	[ ]	Peristaltic Pump	[ ]
	Dedicated	[X]	Bladder Pump	[ ]	Grab	[ ]

Sampled by: GJY & VBH Time: 1122 Date: 6/21/22

SAMPLING DATA

Sample Appearance
Color: Clear Sediment: None
Odor: None

Field Measured Parameters

pH (Standard Units)	6.93	Sp. Conductivity (umhos/cm)	243
Temperature (F)	50.5	Eh-Redox Potential (mV)	171
Turbidity (NTUs)	3.34	Dissolved Oxygen (mg/L)	-

Samples Collected (Number/Type):
6 Bottles- Special Baseline 3VOC @1223 on 6/20/22

Samples Delivered to: ALS Time: ____ Date: ____

COMMENTS:

Rev. 4/09 (MPS)

Barton & Loguidice

Calibration Record

Project No: 268.027-022 Date: 6/21/22

Calibrated By: GJT Time: 0955

pH Instrument Model: Myron 6P

Standard Solution		Calibration Reading	Acceptable Range
pH 4:	3.93 →	4.00	(+/- 1.0 pH, pH 3.0 - 5.0) ✓
pH 7:	7.02 →	7.00	(+/- 1.5 pH, pH 5.5 - 8.5) ✓
pH 10:	10.02 →	10.00	(+/- 1.0 pH, ph 9.0 - 11.0) ✓

Sp.Conductivity
Instrument Model: Myron 6P

Standard Solution		Calibration Reading	Acceptable Range
7000 uS	7010 →	7000	(+/- 1.0 % Error) ✓

ORP Instrument Model: Myron 6P

Standard Solution	Calibration Reading	Acceptable Range
		Myron 6p ORP calibration is calculated by pH and SPC values

Turbidimeter Model: Lamotte 2020t

Standard Solution		Calibration Reading	Acceptable Range
0.0		Blank	Blank 0.0 NTU ✓
1.0	0.87 →	1.00	(0.5-1.5 NTU) ✓
10.0	9.81 →	10.00	(8-12 NTU) ✓

~~**Dissolved Oxygen Meter Model: YSI EcoSense**~~

~~Saturated Air~~	~~Air Pressure (MB)~~	~~Calibration Reading~~	~~Acceptable Range~~
~~100%~~			~~(+/- 5.0% Error; 95-105%)~~

Comments

Updated: 010410 MPS

Barton & Loguidice

Landfill Inspection Report

Location:	Prattsburgh Closed LF
Client:	County of Steuben
Job Number:	298.027.022
Inspector(s):	GJS / VBH
Date / Time:	6/21/22 @ 1240
Weather / Temp:	Sunny 70~S

Site Security

Item	YES	NO	N/A	Comments
Is the gate to the landfill closed?	X			
Is the gate locked and secure?	X			
Is the perimeter fencing (if any) in good condition?	X			some small trees / branches on and along fence

Monitoring Wells

Item	YES	NO	N/A	Comments
Are the wells flagged, identified, and painted?	X			
Are all of the wells locked?	X			
Are the wells in good condition?	X			

Gas Vents / Flares

Item	YES	NO	N/A	Comments
Are the vents / flares intact and in proper working condition?	X			
Are the vent openings unobstructed?	X			

Landfill Cap

Item	YES	NO	N/A	Comments
Is the vegetation in good condition?	X			
Does the vegetation cover the entire landfill?	X			
Is mowing required?	X			
Is there evidence of stressed vegetation or bare ground?		X		
Is there evidence of animal burrowing or other damaging activity?		X		
Are there any cracks or settlement of the landfill cap?		X		
Is there any other evidence of damage to the landfill cap?		X		

General

Item	YES	NO	N/A	Comments
Is there any evidence of staining or leachates seeps on or around the landfill?		X		
Are the drainage structures in good condition?	X			
Is there any erosion or buildup of silt present in drainage structures?		X		
Are the site access roads in good condition?			X	
Is the maintenance building in good condition?			X	
Is there any evidence of vandalism? If any please comment.		X		

Notes

Overall site in good, Dry condition. Mowing is required soon as veg. is growing to waist height.

Appendix B

July 05, 2022 Service Request No:R2205661

Mr. Darik Jordan
Barton & Loguidice, PC
11 Centre Park
Suite 203
Rochester, NY 14614

Laboratory Results for: Prattsburgh LF

Dear Mr.Jordan,

Enclosed are the results of the sample(s) submitted to our laboratory June 21, 2022
For your reference, these analyses have been assigned our service request number **R2205661.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Nicole Mansen
Project Manager

CC: Steve Orcutt

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Barton & Loguidice, DPC
Project: Prattsburgh LF
Sample Matrix: Water

Service Request: R2205661
Date Received: 06/21/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Eleven water samples were received for analysis at ALS Environmental on 06/21/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

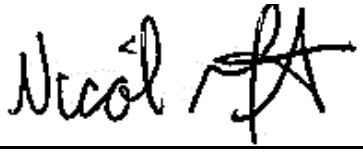
General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 06/27/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 06/27/2022: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Approved by  Date 07/05/2022

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: OWB-102	Lab ID: R2205661-002					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Aluminum, Total	360			100	ug/L	6010C
Barium, Total	266			20	ug/L	6010C
Calcium, Total	61200			1000	ug/L	6010C
Iron, Total	390			100	ug/L	6010C
Magnesium, Total	10900			1000	ug/L	6010C
Manganese, Total	91			10	ug/L	6010C
Potassium, Total	2100			2000	ug/L	6010C
Sodium, Total	5400			1000	ug/L	6010C

CLIENT ID: OWB-103	Lab ID: R2205661-003					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Aluminum, Total	2180			100	ug/L	6010C
Barium, Total	127			20	ug/L	6010C
Calcium, Total	60700			1000	ug/L	6010C
Iron, Total	1630			100	ug/L	6010C
Magnesium, Total	14100			1000	ug/L	6010C
Manganese, Total	622			10	ug/L	6010C
Sodium, Total	2200			1000	ug/L	6010C

CLIENT ID: B-105	Lab ID: R2205661-004					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Aluminum, Total	2070			100	ug/L	6010C
Barium, Total	447			20	ug/L	6010C
Calcium, Total	59500			1000	ug/L	6010C
Chromium, Total	13			10	ug/L	6010C
Iron, Total	2200			100	ug/L	6010C
Magnesium, Total	17300			1000	ug/L	6010C
Manganese, Total	578			10	ug/L	6010C
Potassium, Total	2100			2000	ug/L	6010C
Sodium, Total	6200			1000	ug/L	6010C
Trichloroethene (TCE)	0.24	J	0.20	1.0	ug/L	8260C
cis-1,2-Dichloroethene	0.25	J	0.23	1.0	ug/L	8260C

CLIENT ID: B-106	Lab ID: R2205661-005					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Barium, Total	173			20	ug/L	6010C
Calcium, Total	34200			1000	ug/L	6010C
Magnesium, Total	6800			1000	ug/L	6010C
Manganese, Total	115			10	ug/L	6010C
Sodium, Total	8900			1000	ug/L	6010C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: B-107	Lab ID: R2205661-006					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Arsenic, Total	16			10	ug/L	6010C
Barium, Total	768			20	ug/L	6010C
Calcium, Total	70600			1000	ug/L	6010C
Iron, Total	790			100	ug/L	6010C
Magnesium, Total	19500			1000	ug/L	6010C
Manganese, Total	6020			10	ug/L	6010C
Potassium, Total	3700			2000	ug/L	6010C
Sodium, Total	9600			1000	ug/L	6010C
Zinc, Total	22			20	ug/L	6010C
1,4-Dichlorobenzene	0.29	J	0.20	1.0	ug/L	8260C
4-Methyl-2-pentanone	0.44	J	0.20	5.0	ug/L	8260C
Benzene	0.52	J	0.20	1.0	ug/L	8260C
Chlorobenzene	0.31	J	0.20	1.0	ug/L	8260C
Chloroethane	0.54	J	0.23	1.0	ug/L	8260C
cis-1,2-Dichloroethene	0.45	J	0.23	1.0	ug/L	8260C

CLIENT ID: B-108	Lab ID: R2205661-007					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Aluminum, Total	10800			100	ug/L	6010C
Barium, Total	136			20	ug/L	6010C
Calcium, Total	6200			1000	ug/L	6010C
Chromium, Total	33			10	ug/L	6010C
Iron, Total	11000			100	ug/L	6010C
Magnesium, Total	3900			1000	ug/L	6010C
Manganese, Total	156			10	ug/L	6010C
Potassium, Total	3600			2000	ug/L	6010C
Sodium, Total	1100			1000	ug/L	6010C
Zinc, Total	45			20	ug/L	6010C
2-Butanone (MEK)	0.98	J	0.78	5.0	ug/L	8260C
Acetone	69		5.0	5.0	ug/L	8260C

CLIENT ID: B-109	Lab ID: R2205661-008					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Barium, Total	185			20	ug/L	6010C
Calcium, Total	33100			1000	ug/L	6010C
Iron, Total	180			100	ug/L	6010C
Magnesium, Total	8500			1000	ug/L	6010C
Manganese, Total	11			10	ug/L	6010C
Sodium, Total	7300			1000	ug/L	6010C
Zinc, Total	23			20	ug/L	6010C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: B-110			Lab ID: R2205661-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Barium, Total	137			20	ug/L	6010C
Calcium, Total	33500			1000	ug/L	6010C
Magnesium, Total	8300			1000	ug/L	6010C
Sodium, Total	3800			1000	ug/L	6010C
Zinc, Total	20			20	ug/L	6010C

CLIENT ID: B-111			Lab ID: R2205661-010			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Barium, Total	219			20	ug/L	6010C
Calcium, Total	35300			1000	ug/L	6010C
Iron, Total	110			100	ug/L	6010C
Magnesium, Total	9100			1000	ug/L	6010C
Manganese, Total	1680			10	ug/L	6010C
Sodium, Total	3700			1000	ug/L	6010C
2-Butanone (MEK)	1.8	J	0.78	5.0	ug/L	8260C
Acetone	8.8		5.0	5.0	ug/L	8260C

CLIENT ID: Dupe-X			Lab ID: R2205661-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Barium, Total	187			20	ug/L	6010C
Calcium, Total	33500			1000	ug/L	6010C
Iron, Total	140			100	ug/L	6010C
Magnesium, Total	8600			1000	ug/L	6010C
Manganese, Total	11			10	ug/L	6010C
Sodium, Total	7400			1000	ug/L	6010C
Zinc, Total	25			20	ug/L	6010C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Barton & Loguidice, DPC **Service Request:**R2205661

Project: Prattsburgh LF/Special Baseline

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2205661-002	OWB-102	6/21/2022	1220
R2205661-003	OWB-103	6/21/2022	1004
R2205661-004	B-105	6/21/2022	1112
R2205661-005	B-106	6/21/2022	1010
R2205661-006	B-107	6/21/2022	1225
R2205661-007	B-108	6/21/2022	1035
R2205661-008	B-109	6/21/2022	1250
R2205661-009	B-110	6/21/2022	1327
R2205661-010	B-111	6/21/2022	1122
R2205661-011	Dupe-X	6/21/2022	
R2205661-012	Trip Blank	6/21/2022	

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR# _____

ALS Environmental

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 / FAX (585) 288-8475
www.alsglobal.com

004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015

T054404

Project Name: Prattsburgh LF	
Project Number: Special Baseline	Report To: Darik Jordan
Company / Address: Barton & Loguidice, PC, 11 Centre Park Suite 203, Rochester NY, 14614	
Phone # 585-325-7190	FAX # 315-451-0052
Sampler Signature	Sampler Printed Name: Grant Young

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix	NUMBER OF CONTAINERS	14D 335.4 / CN T	14D 8260C / VOC FP	28D 7470A / Hg T	180D 6010C / Metals T	Remarks
OWB-101		6/21/22	—	Liquid	6	X	X	X	X	DRY
OWB-102			1220	Liquid	6	X	X	X	X	3 VOC @ 1300 on 6/20/22
OWB-103	QC		1004	Liquid	12	X	X	X	X	MS/MSD 3 VOC @ 1024
B-105			1112	Liquid	6	X	X	X	X	3 VOC @ 1208 on 6/20/22
B-106			1010	Liquid	6	X	X	X	X	3 VOC @ 1025 on 6/20/22
B-107			1225	Liquid	6	X	X	X	X	3 VOC @ 1306 on 6/20/22
B-108			1035	Liquid	6	X	X	X	X	3 VOC @ 1150 on 6/20/22
B-109			1250	Liquid	6	X	X	X	X	3 VOC @ 1338 on 6/20/22
B-110			1327	Liquid	6	X	X	X	X	3 VOC @ 1410 on 6/20/22
B-111			1122	Liquid	6	X	X	X	X	3 VOC @ 1223 on 6/20/22
Dupe-X			—	Liquid	6	X	X	X	X	3 VOC on 6/20/22
Trip Blank			—	Liquid	3		X			

Special Instructions/Comments:
Baseline Metals

Turnaround Requirements
___ RUSH (SURCHARGES APPLY)
X Standard
REQUESTED FAX DATE
Requested Report Date

Report Requirements
___ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Cilibration Summaries
___ IV. Data Validation Report with Raw Data
EData ____Yes ____No

Invoice Information
P.O.# _____
Bill To: County of Steuben

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Grant Young	Printed Name: Matthew Marley	Printed Name	Printed Name	Printed Name	Printed Name
Firm: B+L	Firm: ALS	Firm	Firm	Firm	
Date/Time: 6/21/22 @ 1500	Date/Time: 6/21/22 15:00	Date/Time	Date/Time	Date/Time	

R2205661
Barton & Loguidice, PC
Prattsburgh LF
5

R2205661 5
Barton & Loguidice, PC
Pittsburgh LF

Cooler Receipt and Preservation Check Form

Project/Client B&L Folder Number

Cooler received on 6/21/22 by: MM COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y N	5a	Perchlorate samples have required headspace?	Y N NA
2	Custody papers properly completed (ink, signed)?	Y N	5b	Did VOA vials, Alk,or Sulfide have sig* bubbles?	Y N NA *
3	Did all bottles arrive in good condition (unbroken)?	Y N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: Wet Ice Dry Ice Gel packs present?	Y N	7	Soil VOA received as: Bulk Encore 5035set	NA

8. Temperature Readings Date: 6/21/22 Time: 15:13 ID: IR#7 IR#11 From: Temp Blank Sample Bottle

Observed Temp (°C)	3.9						
Within 0-6°C?	Y N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: Floor by MM on 6/21/22 at 15:15
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 6/22/22 Time: 0714 by: ME

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO N/A
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12	220320	NaOH	X	X	199040	04/25	001, 006	1 pellet	214719	Both >12
≤2	↓	HNO_3	X		20210830S2	04/23		each		
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522	X		If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**	No lot info					

Bottle lot numbers: 051622-3EGY, 22-0421, 21621

Explain all Discrepancies/ Other Comments:

*B-108 1 vial, trip blank 3 vials

HFROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: ME

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline		

Sample Name:	OWB-102	**Date Collected:**	06/21/22
Lab Code:	R2205661-002	**Date Received:**	06/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
Kelada-01		CWOODS

Sample Name:	OWB-103	**Date Collected:**	06/21/22
Lab Code:	R2205661-003	**Date Received:**	06/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
Kelada-01		CWOODS

Sample Name:	B-105	**Date Collected:**	06/21/22
Lab Code:	R2205661-004	**Date Received:**	06/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
Kelada-01		CWOODS

Sample Name:	B-106	**Date Collected:**	06/21/22
Lab Code:	R2205661-005	**Date Received:**	06/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline		

Sample Name:	B-106	**Date Collected:**	06/21/22
Lab Code:	R2205661-005	**Date Received:**	06/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
Kelada-01		CWOODS

Sample Name:	B-107	**Date Collected:**	06/21/22
Lab Code:	R2205661-006	**Date Received:**	06/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
Kelada-01		CWOODS

Sample Name:	B-108	**Date Collected:**	06/21/22
Lab Code:	R2205661-007	**Date Received:**	06/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
Kelada-01		CWOODS

Sample Name:	B-109	**Date Collected:**	06/21/22
Lab Code:	R2205661-008	**Date Received:**	06/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7470A	BDIAMOND	BDIAMOND

Client: Barton & Loguidice, DPC **Service Request:** R2205661
Project: Prattsburgh LF/Special Baseline

Sample Name: B-109 **Date Collected:** 06/21/22
Lab Code: R2205661-008 **Date Received:** 06/21/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST
Kelada-01		CWOODS

Sample Name: B-110 **Date Collected:** 06/21/22
Lab Code: R2205661-009 **Date Received:** 06/21/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
Kelada-01		CWOODS

Sample Name: B-111 **Date Collected:** 06/21/22
Lab Code: R2205661-010 **Date Received:** 06/21/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST
Kelada-01		CWOODS

Sample Name: Dupe-X **Date Collected:** 06/21/22
Lab Code: R2205661-011 **Date Received:** 06/21/22
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN
7470A	BDIAMOND	BDIAMOND
8260C		KRUEST

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline		

Sample Name:	Dupe-X	**Date Collected:**	06/21/22
Lab Code:	R2205661-011	**Date Received:**	06/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
Kelada-01		CWOODS

Sample Name:	Trip Blank	**Date Collected:**	06/21/22
Lab Code:	R2205661-012	**Date Received:**	06/21/22
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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www.alsglobal.com

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:20
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	OWB-102	**Units:**	ug/L
Lab Code:	R2205661-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 17:51	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 17:51	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 17:51	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 17:51	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 17:51	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 17:51	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 17:51	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 17:51	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 17:51	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 17:51	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 17:51	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 17:51	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 17:51	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	06/27/22 17:51	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 17:51	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 17:51	
Acetone	5.0 U	5.0	5.0	1	06/27/22 17:51	
Acrylonitrile	10 U	10	0.90	1	06/27/22 17:51	
Benzene	1.0 U	1.0	0.20	1	06/27/22 17:51	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 17:51	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 17:51	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 17:51	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 17:51	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 17:51	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 17:51	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 17:51	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 17:51	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 17:51	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 17:51	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 17:51	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 17:51	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 17:51	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 17:51	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 17:51	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 17:51	
Styrene	1.0 U	1.0	0.20	1	06/27/22 17:51	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 17:51	
Toluene	1.0 U	1.0	0.20	1	06/27/22 17:51	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 17:51	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 17:51	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 17:51	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 17:51	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	06/27/22 17:51	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:20
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	OWB-102	**Units:**	ug/L
Lab Code:	R2205661-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 17:51	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 17:51	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 17:51	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 17:51	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 17:51	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 17:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	06/27/22 17:51	
Dibromofluoromethane	95	80 - 116	06/27/22 17:51	
Toluene-d8	98	87 - 121	06/27/22 17:51	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:04
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	OWB-103	**Units:**	ug/L
Lab Code:	R2205661-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 18:13	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 18:13	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 18:13	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 18:13	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 18:13	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 18:13	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 18:13	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 18:13	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 18:13	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 18:13	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 18:13	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 18:13	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 18:13	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	06/27/22 18:13	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 18:13	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 18:13	
Acetone	5.0 U	5.0	5.0	1	06/27/22 18:13	
Acrylonitrile	10 U	10	0.90	1	06/27/22 18:13	
Benzene	1.0 U	1.0	0.20	1	06/27/22 18:13	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 18:13	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 18:13	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 18:13	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 18:13	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 18:13	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 18:13	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 18:13	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 18:13	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 18:13	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 18:13	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 18:13	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 18:13	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 18:13	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 18:13	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 18:13	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 18:13	
Styrene	1.0 U	1.0	0.20	1	06/27/22 18:13	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 18:13	
Toluene	1.0 U	1.0	0.20	1	06/27/22 18:13	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 18:13	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 18:13	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 18:13	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 18:13	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	06/27/22 18:13	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:04
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	OWB-103	**Units:**	ug/L
Lab Code:	R2205661-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 18:13	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 18:13	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 18:13	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 18:13	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 18:13	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 18:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	06/27/22 18:13	
Dibromofluoromethane	94	80 - 116	06/27/22 18:13	
Toluene-d8	98	87 - 121	06/27/22 18:13	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 11:12
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-105	**Units:**	ug/L
Lab Code:	R2205661-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 19:03	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 19:03	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 19:03	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 19:03	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 19:03	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 19:03	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 19:03	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 19:03	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 19:03	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 19:03	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 19:03	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 19:03	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 19:03	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	06/27/22 19:03	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 19:03	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 19:03	
Acetone	5.0 U	5.0	5.0	1	06/27/22 19:03	
Acrylonitrile	10 U	10	0.90	1	06/27/22 19:03	
Benzene	1.0 U	1.0	0.20	1	06/27/22 19:03	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 19:03	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 19:03	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 19:03	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 19:03	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 19:03	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 19:03	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 19:03	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 19:03	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 19:03	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 19:03	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 19:03	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 19:03	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 19:03	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 19:03	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 19:03	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 19:03	
Styrene	1.0 U	1.0	0.20	1	06/27/22 19:03	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 19:03	
Toluene	1.0 U	1.0	0.20	1	06/27/22 19:03	
Trichloroethene (TCE)	**0.24 J**	1.0	0.20	1	06/27/22 19:03	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 19:03	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 19:03	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 19:03	
cis-1,2-Dichloroethene	**0.25 J**	1.0	0.23	1	06/27/22 19:03	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 11:12
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-105	**Units:**	ug/L
Lab Code:	R2205661-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 19:03	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 19:03	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 19:03	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 19:03	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 19:03	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 19:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	06/27/22 19:03	
Dibromofluoromethane	95	80 - 116	06/27/22 19:03	
Toluene-d8	98	87 - 121	06/27/22 19:03	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:10
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-106	**Units:**	ug/L
Lab Code:	R2205661-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 19:25	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 19:25	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 19:25	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 19:25	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 19:25	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 19:25	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 19:25	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 19:25	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 19:25	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 19:25	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 19:25	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 19:25	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 19:25	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	06/27/22 19:25	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 19:25	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 19:25	
Acetone	5.0 U	5.0	5.0	1	06/27/22 19:25	
Acrylonitrile	10 U	10	0.90	1	06/27/22 19:25	
Benzene	1.0 U	1.0	0.20	1	06/27/22 19:25	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 19:25	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 19:25	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 19:25	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 19:25	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 19:25	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 19:25	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 19:25	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 19:25	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 19:25	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 19:25	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 19:25	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 19:25	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 19:25	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 19:25	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 19:25	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 19:25	
Styrene	1.0 U	1.0	0.20	1	06/27/22 19:25	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 19:25	
Toluene	1.0 U	1.0	0.20	1	06/27/22 19:25	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 19:25	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 19:25	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 19:25	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 19:25	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	06/27/22 19:25	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:10
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-106	**Units:**	ug/L
Lab Code:	R2205661-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 19:25	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 19:25	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 19:25	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 19:25	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 19:25	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 19:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	06/27/22 19:25	
Dibromofluoromethane	94	80 - 116	06/27/22 19:25	
Toluene-d8	98	87 - 121	06/27/22 19:25	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:25
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-107	**Units:**	ug/L
Lab Code:	R2205661-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 19:47	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 19:47	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 19:47	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 19:47	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 19:47	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 19:47	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 19:47	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 19:47	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 19:47	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 19:47	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 19:47	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 19:47	
1,4-Dichlorobenzene	**0.29 J**	1.0	0.20	1	06/27/22 19:47	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	06/27/22 19:47	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 19:47	
4-Methyl-2-pentanone	**0.44 J**	5.0	0.20	1	06/27/22 19:47	
Acetone	5.0 U	5.0	5.0	1	06/27/22 19:47	
Acrylonitrile	10 U	10	0.90	1	06/27/22 19:47	
Benzene	**0.52 J**	1.0	0.20	1	06/27/22 19:47	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 19:47	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 19:47	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 19:47	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 19:47	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 19:47	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 19:47	
Chlorobenzene	**0.31 J**	1.0	0.20	1	06/27/22 19:47	
Chloroethane	**0.54 J**	1.0	0.23	1	06/27/22 19:47	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 19:47	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 19:47	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 19:47	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 19:47	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 19:47	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 19:47	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 19:47	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 19:47	
Styrene	1.0 U	1.0	0.20	1	06/27/22 19:47	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 19:47	
Toluene	1.0 U	1.0	0.20	1	06/27/22 19:47	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 19:47	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 19:47	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 19:47	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 19:47	
cis-1,2-Dichloroethene	**0.45 J**	1.0	0.23	1	06/27/22 19:47	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:25
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-107	**Units:**	ug/L
Lab Code:	R2205661-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 19:47	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 19:47	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 19:47	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 19:47	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 19:47	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 19:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	06/27/22 19:47	
Dibromofluoromethane	96	80 - 116	06/27/22 19:47	
Toluene-d8	98	87 - 121	06/27/22 19:47	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:35
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-108	**Units:**	ug/L
Lab Code:	R2205661-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 20:09	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 20:09	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 20:09	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 20:09	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 20:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 20:09	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 20:09	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 20:09	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 20:09	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 20:09	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 20:09	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 20:09	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 20:09	
2-Butanone (MEK)	**0.98 J**	5.0	0.78	1	06/27/22 20:09	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 20:09	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 20:09	
Acetone	**69**	5.0	5.0	1	06/27/22 20:09	
Acrylonitrile	10 U	10	0.90	1	06/27/22 20:09	
Benzene	1.0 U	1.0	0.20	1	06/27/22 20:09	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 20:09	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 20:09	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 20:09	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 20:09	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 20:09	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 20:09	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 20:09	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 20:09	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 20:09	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 20:09	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 20:09	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 20:09	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 20:09	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 20:09	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 20:09	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 20:09	
Styrene	1.0 U	1.0	0.20	1	06/27/22 20:09	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 20:09	
Toluene	1.0 U	1.0	0.20	1	06/27/22 20:09	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 20:09	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 20:09	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 20:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 20:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	06/27/22 20:09	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:35
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-108	**Units:**	ug/L
Lab Code:	R2205661-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 20:09	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 20:09	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 20:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 20:09	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 20:09	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 20:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	06/27/22 20:09	
Dibromofluoromethane	94	80 - 116	06/27/22 20:09	
Toluene-d8	99	87 - 121	06/27/22 20:09	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:50
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-109	**Units:**	ug/L
Lab Code:	R2205661-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 20:31	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 20:31	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 20:31	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 20:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 20:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 20:31	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 20:31	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 20:31	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 20:31	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 20:31	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 20:31	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 20:31	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 20:31	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	06/27/22 20:31	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 20:31	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 20:31	
Acetone	5.0 U	5.0	5.0	1	06/27/22 20:31	
Acrylonitrile	10 U	10	0.90	1	06/27/22 20:31	
Benzene	1.0 U	1.0	0.20	1	06/27/22 20:31	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 20:31	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 20:31	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 20:31	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 20:31	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 20:31	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 20:31	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 20:31	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 20:31	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 20:31	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 20:31	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 20:31	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 20:31	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 20:31	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 20:31	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 20:31	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 20:31	
Styrene	1.0 U	1.0	0.20	1	06/27/22 20:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 20:31	
Toluene	1.0 U	1.0	0.20	1	06/27/22 20:31	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 20:31	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 20:31	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 20:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 20:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	06/27/22 20:31	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:50
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-109	**Units:**	ug/L
Lab Code:	R2205661-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 20:31	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 20:31	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 20:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 20:31	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 20:31	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 20:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	06/27/22 20:31	
Dibromofluoromethane	94	80 - 116	06/27/22 20:31	
Toluene-d8	99	87 - 121	06/27/22 20:31	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 13:27
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-110	**Units:**	ug/L
Lab Code:	R2205661-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 20:53	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 20:53	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 20:53	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 20:53	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 20:53	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 20:53	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 20:53	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 20:53	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 20:53	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 20:53	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 20:53	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 20:53	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 20:53	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	06/27/22 20:53	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 20:53	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 20:53	
Acetone	5.0 U	5.0	5.0	1	06/27/22 20:53	
Acrylonitrile	10 U	10	0.90	1	06/27/22 20:53	
Benzene	1.0 U	1.0	0.20	1	06/27/22 20:53	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 20:53	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 20:53	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 20:53	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 20:53	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 20:53	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 20:53	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 20:53	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 20:53	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 20:53	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 20:53	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 20:53	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 20:53	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 20:53	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 20:53	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 20:53	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 20:53	
Styrene	1.0 U	1.0	0.20	1	06/27/22 20:53	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 20:53	
Toluene	1.0 U	1.0	0.20	1	06/27/22 20:53	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 20:53	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 20:53	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 20:53	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 20:53	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	06/27/22 20:53	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 13:27
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-110	**Units:**	ug/L
Lab Code:	R2205661-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 20:53	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 20:53	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 20:53	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 20:53	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 20:53	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 20:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	06/27/22 20:53	
Dibromofluoromethane	96	80 - 116	06/27/22 20:53	
Toluene-d8	102	87 - 121	06/27/22 20:53	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 11:22
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-111	**Units:**	ug/L
Lab Code:	R2205661-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 21:15	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 21:15	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 21:15	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 21:15	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 21:15	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 21:15	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 21:15	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 21:15	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 21:15	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 21:15	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 21:15	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 21:15	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 21:15	
2-Butanone (MEK)	**1.8 J**	5.0	0.78	1	06/27/22 21:15	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 21:15	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 21:15	
Acetone	**8.8**	5.0	5.0	1	06/27/22 21:15	
Acrylonitrile	10 U	10	0.90	1	06/27/22 21:15	
Benzene	1.0 U	1.0	0.20	1	06/27/22 21:15	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 21:15	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 21:15	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 21:15	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 21:15	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 21:15	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 21:15	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 21:15	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 21:15	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 21:15	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 21:15	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 21:15	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 21:15	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 21:15	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 21:15	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 21:15	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 21:15	
Styrene	1.0 U	1.0	0.20	1	06/27/22 21:15	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 21:15	
Toluene	1.0 U	1.0	0.20	1	06/27/22 21:15	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 21:15	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 21:15	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 21:15	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 21:15	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	06/27/22 21:15	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 11:22
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-111	**Units:**	ug/L
Lab Code:	R2205661-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 21:15	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 21:15	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 21:15	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 21:15	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 21:15	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 21:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	06/27/22 21:15	
Dibromofluoromethane	93	80 - 116	06/27/22 21:15	
Toluene-d8	98	87 - 121	06/27/22 21:15	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	Dupe-X	**Units:**	ug/L
Lab Code:	R2205661-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 21:37	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 21:37	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 21:37	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 21:37	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 21:37	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 21:37	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 21:37	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 21:37	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 21:37	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 21:37	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 21:37	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 21:37	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 21:37	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	06/27/22 21:37	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 21:37	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 21:37	
Acetone	5.0 U	5.0	5.0	1	06/27/22 21:37	
Acrylonitrile	10 U	10	0.90	1	06/27/22 21:37	
Benzene	1.0 U	1.0	0.20	1	06/27/22 21:37	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 21:37	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 21:37	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 21:37	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 21:37	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 21:37	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 21:37	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 21:37	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 21:37	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 21:37	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 21:37	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 21:37	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 21:37	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 21:37	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 21:37	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 21:37	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 21:37	
Styrene	1.0 U	1.0	0.20	1	06/27/22 21:37	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 21:37	
Toluene	1.0 U	1.0	0.20	1	06/27/22 21:37	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 21:37	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 21:37	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 21:37	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 21:37	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	06/27/22 21:37	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	Dupe-X	**Units:**	ug/L
Lab Code:	R2205661-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 21:37	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 21:37	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 21:37	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 21:37	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 21:37	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 21:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	06/27/22 21:37	
Dibromofluoromethane	94	80 - 116	06/27/22 21:37	
Toluene-d8	96	87 - 121	06/27/22 21:37	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2205661-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 17:29	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 17:29	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 17:29	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 17:29	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 17:29	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 17:29	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 17:29	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 17:29	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 17:29	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 17:29	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 17:29	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 17:29	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 17:29	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	06/27/22 17:29	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 17:29	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 17:29	
Acetone	5.0 U	5.0	5.0	1	06/27/22 17:29	
Acrylonitrile	10 U	10	0.90	1	06/27/22 17:29	
Benzene	1.0 U	1.0	0.20	1	06/27/22 17:29	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 17:29	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 17:29	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 17:29	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 17:29	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 17:29	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 17:29	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 17:29	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 17:29	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 17:29	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 17:29	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 17:29	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 17:29	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 17:29	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 17:29	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 17:29	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 17:29	
Styrene	1.0 U	1.0	0.20	1	06/27/22 17:29	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 17:29	
Toluene	1.0 U	1.0	0.20	1	06/27/22 17:29	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 17:29	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 17:29	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 17:29	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 17:29	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	06/27/22 17:29	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2205661-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 17:29	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 17:29	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 17:29	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 17:29	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 17:29	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 17:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	06/27/22 17:29	
Dibromofluoromethane	93	80 - 116	06/27/22 17:29	
Toluene-d8	96	87 - 121	06/27/22 17:29	

Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:20
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	OWB-102	**Basis:**	NA
Lab Code:	R2205661-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**360**		ug/L	100	1	06/24/22 21:44	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 21:44	06/23/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	06/24/22 21:44	06/23/22	
Barium, Total	6010C	**266**		ug/L	20	1	06/24/22 21:44	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 21:44	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 21:44	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 21:44	06/23/22	
Calcium, Total	6010C	**61200**		ug/L	1000	1	06/24/22 21:44	06/23/22	
Chromium, Total	6010C	10	U	ug/L	10	1	06/24/22 21:44	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 21:44	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 21:44	06/23/22	
Iron, Total	6010C	**390**		ug/L	100	1	06/24/22 21:44	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 21:44	06/23/22	
Magnesium, Total	6010C	**10900**		ug/L	1000	1	06/24/22 21:44	06/23/22	
Manganese, Total	6010C	**91**		ug/L	10	1	06/24/22 21:44	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:30	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 21:44	06/23/22	
Potassium, Total	6010C	**2100**		ug/L	2000	1	06/24/22 21:44	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 21:44	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 21:44	06/23/22	
Sodium, Total	6010C	**5400**		ug/L	1000	1	06/24/22 21:44	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 21:44	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 21:44	06/23/22	
Zinc, Total	6010C	20	U	ug/L	20	1	06/24/22 21:44	06/23/22	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:04
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	OWB-103	**Basis:**	NA
Lab Code:	R2205661-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**2180**		ug/L	100	1	06/24/22 21:47	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 21:47	06/23/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	06/24/22 21:47	06/23/22	
Barium, Total	6010C	**127**		ug/L	20	1	06/24/22 21:47	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 21:47	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 21:47	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 21:47	06/23/22	
Calcium, Total	6010C	**60700**		ug/L	1000	1	06/24/22 21:47	06/23/22	
Chromium, Total	6010C	10	U	ug/L	10	1	06/24/22 21:47	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 21:47	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 21:47	06/23/22	
Iron, Total	6010C	**1630**		ug/L	100	1	06/24/22 21:47	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 21:47	06/23/22	
Magnesium, Total	6010C	**14100**		ug/L	1000	1	06/24/22 21:47	06/23/22	
Manganese, Total	6010C	**622**		ug/L	10	1	06/24/22 21:47	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:32	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 21:47	06/23/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/24/22 21:47	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 21:47	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 21:47	06/23/22	
Sodium, Total	6010C	**2200**		ug/L	1000	1	06/24/22 21:47	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 21:47	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 21:47	06/23/22	
Zinc, Total	6010C	20	U	ug/L	20	1	06/24/22 21:47	06/23/22	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 11:12
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-105	**Basis:**	NA
Lab Code:	R2205661-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**2070**		ug/L	100	1	06/24/22 22:10	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 22:10	06/23/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	06/24/22 22:10	06/23/22	
Barium, Total	6010C	**447**		ug/L	20	1	06/24/22 22:10	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 22:10	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 22:10	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 22:10	06/23/22	
Calcium, Total	6010C	**59500**		ug/L	1000	1	06/24/22 22:10	06/23/22	
Chromium, Total	6010C	**13**		ug/L	10	1	06/24/22 22:10	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 22:10	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 22:10	06/23/22	
Iron, Total	6010C	**2200**		ug/L	100	1	06/24/22 22:10	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 22:10	06/23/22	
Magnesium, Total	6010C	**17300**		ug/L	1000	1	06/24/22 22:10	06/23/22	
Manganese, Total	6010C	**578**		ug/L	10	1	06/24/22 22:10	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:38	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 22:10	06/23/22	
Potassium, Total	6010C	**2100**		ug/L	2000	1	06/24/22 22:10	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:10	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 22:10	06/23/22	
Sodium, Total	6010C	**6200**		ug/L	1000	1	06/24/22 22:10	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:10	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 22:10	06/23/22	
Zinc, Total	6010C	20	U	ug/L	20	1	06/24/22 22:10	06/23/22	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:10
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-106	**Basis:**	NA
Lab Code:	R2205661-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	06/24/22 22:13	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 22:13	06/23/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	06/24/22 22:13	06/23/22	
Barium, Total	6010C	**173**		ug/L	20	1	06/24/22 22:13	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 22:13	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 22:13	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 22:13	06/23/22	
Calcium, Total	6010C	**34200**		ug/L	1000	1	06/24/22 22:13	06/23/22	
Chromium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:13	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 22:13	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 22:13	06/23/22	
Iron, Total	6010C	100	U	ug/L	100	1	06/24/22 22:13	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 22:13	06/23/22	
Magnesium, Total	6010C	**6800**		ug/L	1000	1	06/24/22 22:13	06/23/22	
Manganese, Total	6010C	**115**		ug/L	10	1	06/24/22 22:13	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:40	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 22:13	06/23/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/24/22 22:13	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:13	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 22:13	06/23/22	
Sodium, Total	6010C	**8900**		ug/L	1000	1	06/24/22 22:13	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:13	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 22:13	06/23/22	
Zinc, Total	6010C	20	U	ug/L	20	1	06/24/22 22:13	06/23/22	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:25
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-107	**Basis:**	NA
Lab Code:	R2205661-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	06/24/22 22:16	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 22:16	06/23/22	
Arsenic, Total	6010C	**16**		ug/L	10	1	06/27/22 19:10	06/23/22	
Barium, Total	6010C	**768**		ug/L	20	1	06/24/22 22:16	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 22:16	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 22:16	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 22:16	06/23/22	
Calcium, Total	6010C	**70600**		ug/L	1000	1	06/24/22 22:16	06/23/22	
Chromium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:16	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 22:16	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 22:16	06/23/22	
Iron, Total	6010C	**790**		ug/L	100	1	06/24/22 22:16	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 22:16	06/23/22	
Magnesium, Total	6010C	**19500**		ug/L	1000	1	06/24/22 22:16	06/23/22	
Manganese, Total	6010C	**6020**		ug/L	10	1	06/24/22 22:16	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:46	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 22:16	06/23/22	
Potassium, Total	6010C	**3700**		ug/L	2000	1	06/24/22 22:16	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:16	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 22:16	06/23/22	
Sodium, Total	6010C	**9600**		ug/L	1000	1	06/24/22 22:16	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:16	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 22:16	06/23/22	
Zinc, Total	6010C	**22**		ug/L	20	1	06/24/22 22:16	06/23/22	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:35
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-108	**Basis:**	NA
Lab Code:	R2205661-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	**10800**		ug/L	100	1	06/24/22 22:20	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 22:20	06/23/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	06/24/22 22:20	06/23/22	
Barium, Total	6010C	**136**		ug/L	20	1	06/24/22 22:20	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 22:20	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 22:20	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 22:20	06/23/22	
Calcium, Total	6010C	**6200**		ug/L	1000	1	06/24/22 22:20	06/23/22	
Chromium, Total	6010C	**33**		ug/L	10	1	06/24/22 22:20	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 22:20	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 22:20	06/23/22	
Iron, Total	6010C	**11000**		ug/L	100	1	06/24/22 22:20	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 22:20	06/23/22	
Magnesium, Total	6010C	**3900**		ug/L	1000	1	06/24/22 22:20	06/23/22	
Manganese, Total	6010C	**156**		ug/L	10	1	06/24/22 22:20	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:48	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 22:20	06/23/22	
Potassium, Total	6010C	**3600**		ug/L	2000	1	06/24/22 22:20	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:20	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 22:20	06/23/22	
Sodium, Total	6010C	**1100**		ug/L	1000	1	06/24/22 22:20	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:20	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 22:20	06/23/22	
Zinc, Total	6010C	**45**		ug/L	20	1	06/24/22 22:20	06/23/22	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:50
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-109	**Basis:**	NA
Lab Code:	R2205661-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	06/24/22 22:23	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 22:23	06/23/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	06/24/22 22:23	06/23/22	
Barium, Total	6010C	**185**		ug/L	20	1	06/24/22 22:23	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 22:23	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 22:23	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 22:23	06/23/22	
Calcium, Total	6010C	**33100**		ug/L	1000	1	06/24/22 22:23	06/23/22	
Chromium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:23	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 22:23	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 22:23	06/23/22	
Iron, Total	6010C	**180**		ug/L	100	1	06/24/22 22:23	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 22:23	06/23/22	
Magnesium, Total	6010C	**8500**		ug/L	1000	1	06/24/22 22:23	06/23/22	
Manganese, Total	6010C	**11**		ug/L	10	1	06/24/22 22:23	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:50	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 22:23	06/23/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/24/22 22:23	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:23	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 22:23	06/23/22	
Sodium, Total	6010C	**7300**		ug/L	1000	1	06/24/22 22:23	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:23	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 22:23	06/23/22	
Zinc, Total	6010C	**23**		ug/L	20	1	06/24/22 22:23	06/23/22	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 13:27
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-110	**Basis:**	NA
Lab Code:	R2205661-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	06/24/22 22:26	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 22:26	06/23/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	06/24/22 22:26	06/23/22	
Barium, Total	6010C	**137**		ug/L	20	1	06/24/22 22:26	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 22:26	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 22:26	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 22:26	06/23/22	
Calcium, Total	6010C	**33500**		ug/L	1000	1	06/24/22 22:26	06/23/22	
Chromium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:26	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 22:26	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 22:26	06/23/22	
Iron, Total	6010C	100	U	ug/L	100	1	06/24/22 22:26	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 22:26	06/23/22	
Magnesium, Total	6010C	**8300**		ug/L	1000	1	06/24/22 22:26	06/23/22	
Manganese, Total	6010C	10	U	ug/L	10	1	06/24/22 22:26	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:52	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 22:26	06/23/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/24/22 22:26	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:26	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 22:26	06/23/22	
Sodium, Total	6010C	**3800**		ug/L	1000	1	06/24/22 22:26	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:26	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 22:26	06/23/22	
Zinc, Total	6010C	**20**		ug/L	20	1	06/24/22 22:26	06/23/22	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 11:22
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-111	**Basis:**	NA
Lab Code:	R2205661-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	06/24/22 22:29	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 22:29	06/23/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	06/24/22 22:29	06/23/22	
Barium, Total	6010C	**219**		ug/L	20	1	06/24/22 22:29	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 22:29	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 22:29	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 22:29	06/23/22	
Calcium, Total	6010C	**35300**		ug/L	1000	1	06/24/22 22:29	06/23/22	
Chromium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:29	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 22:29	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 22:29	06/23/22	
Iron, Total	6010C	**110**		ug/L	100	1	06/24/22 22:29	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 22:29	06/23/22	
Magnesium, Total	6010C	**9100**		ug/L	1000	1	06/24/22 22:29	06/23/22	
Manganese, Total	6010C	**1680**		ug/L	10	1	06/24/22 22:29	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:54	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 22:29	06/23/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/24/22 22:29	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:29	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 22:29	06/23/22	
Sodium, Total	6010C	**3700**		ug/L	1000	1	06/24/22 22:29	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:29	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 22:29	06/23/22	
Zinc, Total	6010C	20	U	ug/L	20	1	06/24/22 22:29	06/23/22	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	Dupe-X	**Basis:**	NA
Lab Code:	R2205661-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	06/24/22 22:33	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 22:33	06/23/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	06/24/22 22:33	06/23/22	
Barium, Total	6010C	**187**		ug/L	20	1	06/24/22 22:33	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 22:33	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 22:33	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 22:33	06/23/22	
Calcium, Total	6010C	**33500**		ug/L	1000	1	06/24/22 22:33	06/23/22	
Chromium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:33	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 22:33	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 22:33	06/23/22	
Iron, Total	6010C	**140**		ug/L	100	1	06/24/22 22:33	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 22:33	06/23/22	
Magnesium, Total	6010C	**8600**		ug/L	1000	1	06/24/22 22:33	06/23/22	
Manganese, Total	6010C	**11**		ug/L	10	1	06/24/22 22:33	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:56	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 22:33	06/23/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/24/22 22:33	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:33	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 22:33	06/23/22	
Sodium, Total	6010C	**7400**		ug/L	1000	1	06/24/22 22:33	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 22:33	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 22:33	06/23/22	
Zinc, Total	6010C	**25**		ug/L	20	1	06/24/22 22:33	06/23/22	

General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:20
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	OWB-102	**Basis:**	NA
Lab Code:	R2205661-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	06/25/22 17:31	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:04
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	OWB-103	**Basis:**	NA
Lab Code:	R2205661-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	06/25/22 17:35	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 11:12
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-105	**Basis:**	NA
Lab Code:	R2205661-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	06/25/22 17:47	

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:10
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-106	**Basis:**	NA
Lab Code:	R2205661-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 15:04	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:25
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-107	**Basis:**	NA
Lab Code:	R2205661-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 15:08	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 10:35
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-108	**Basis:**	NA
Lab Code:	R2205661-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 15:12	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 12:50
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-109	**Basis:**	NA
Lab Code:	R2205661-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 15:16	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 13:27
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-110	**Basis:**	NA
Lab Code:	R2205661-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	06/25/22 17:51	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22 11:22
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	B-111	**Basis:**	NA
Lab Code:	R2205661-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 15:20	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22
Sample Matrix:	Water	**Date Received:**	06/21/22 15:00
Sample Name:	Dupe-X	**Basis:**	NA
Lab Code:	R2205661-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 15:24	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Barton & Loguidice, DPC **Service Request:** R2205661
Project: Prattsburgh LF/Special Baseline
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
OWB-102	R2205661-002	90	95	98
OWB-103	R2205661-003	90	94	98
B-105	R2205661-004	88	95	98
B-106	R2205661-005	89	94	98
B-107	R2205661-006	88	96	98
B-108	R2205661-007	90	94	99
B-109	R2205661-008	88	94	99
B-110	R2205661-009	91	96	102
B-111	R2205661-010	89	93	98
Dupe-X	R2205661-011	89	94	96
Trip Blank	R2205661-012	90	93	96
Method Blank	RQ2207303-04	90	92	98
Lab Control Sample	RQ2207303-03	92	99	101
OWB-103 MS	RQ2207303-05	92	97	100
OWB-103 DMS	RQ2207303-06	91	97	98

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22
Sample Matrix:	Water	**Date Received:**	06/21/22
		Date Analyzed:	06/27/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	OWB-103	**Units:**	ug/L
Lab Code:	R2205661-003	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2207303-05			Duplicate Matrix Spike RQ2207303-06				
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	1.0 U	45.3	50.0	91	48.5	50.0	97	68-146	7	30
1,1,1-Trichloroethane (TCA)	1.0 U	47.1	50.0	94	49.1	50.0	98	74-127	4	30
1,1,2,2-Tetrachloroethane	1.0 U	47.5	50.0	95	49.6	50.0	99	72-122	4	30
1,1,2-Trichloroethane	1.0 U	45.6	50.0	91	47.2	50.0	94	82-121	3	30
1,1-Dichloroethane (1,1-DCA)	1.0 U	55.1	50.0	110	56.7	50.0	113	74-132	3	30
1,1-Dichloroethene (1,1-DCE)	1.0 U	60.4	50.0	121 *	62.2	50.0	124 *	71-118	3	30
1,2,3-Trichloropropane	1.0 U	49.2	50.0	98	50.1	50.0	100	75-122	2	30
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	44.2	50.0	88	46.1	50.0	92	37-150	4	30
1,2-Dibromoethane	1.0 U	49.2	50.0	98	51.2	50.0	102	67-127	4	30
1,2-Dichlorobenzene	1.0 U	48.7	50.0	97	50.4	50.0	101	77-120	3	30
1,2-Dichloroethane	1.0 U	47.1	50.0	94	49.6	50.0	99	68-130	5	30
1,2-Dichloropropane	1.0 U	50.3	50.0	101	52.9	50.0	106	79-124	5	30
1,4-Dichlorobenzene	1.0 U	50.2	50.0	100	52.4	50.0	105	82-120	4	30
2-Butanone (MEK)	5.0 U	48.7	50.0	97	49.6	50.0	99	61-137	2	30
2-Hexanone	5.0 U	51.1	50.0	102	53.4	50.0	107	56-132	4	30
4-Methyl-2-pentanone	5.0 U	49.0	50.0	98	50.8	50.0	102	60-141	4	30
Acetone	5.0 U	52.3	50.0	105	55.0	50.0	110	35-183	5	30
Acrylonitrile	10 U	264	250	106	273	250	109	69-131	3	30
Benzene	1.0 U	50.7	50.0	101	52.7	50.0	105	76-129	4	30
Bromochloromethane	1.0 U	49.3	50.0	99	51.0	50.0	102	80-122	3	30
Bromodichloromethane	1.0 U	42.0	50.0	84	45.2	50.0	90	78-133	7	30
Bromoform	1.0 U	46.6	50.0	93	49.1	50.0	98	58-133	5	30
Bromomethane	1.0 U	38.2	50.0	76	38.6	50.0	77	10-184	<1	30
Carbon Disulfide	1.0 U	45.4	50.0	91	48.1	50.0	96	59-140	6	30
Carbon Tetrachloride	1.0 U	42.6	50.0	85	46.0	50.0	92	65-135	8	30
Chlorobenzene	1.0 U	49.2	50.0	98	52.1	50.0	104	76-125	6	30
Chloroethane	1.0 U	44.6	50.0	89	46.6	50.0	93	48-146	4	30
Chloroform	1.0 U	51.4	50.0	103	53.2	50.0	106	75-130	4	30
Chloromethane	1.0 U	50.7	50.0	101	55.4	50.0	111	55-160	9	30
Dibromochloromethane	1.0 U	48.5	50.0	97	52.1	50.0	104	72-128	7	30
Dibromomethane	1.0 U	47.7	50.0	95	49.8	50.0	100	77-119	4	30
Methylene Chloride	1.0 U	54.4	50.0	109	55.1	50.0	110	73-122	1	30
Ethylbenzene	1.0 U	51.3	50.0	103	52.5	50.0	105	72-134	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22
Sample Matrix:	Water	**Date Received:**	06/21/22
		Date Analyzed:	06/27/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	OWB-103	**Units:**	ug/L
Lab Code:	R2205661-003	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2207303-05			Duplicate Matrix Spike RQ2207303-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Iodomethane	5.0 U	42.7	50.0	85	46.5	50.0	93	18-160	8	30
Methyl tert-Butyl Ether	1.0 U	50.5	50.0	101	52.4	50.0	105	75-119	4	30
Styrene	1.0 U	49.7	50.0	99	51.9	50.0	104	74-136	4	30
Tetrachloroethene (PCE)	1.0 U	49.6	50.0	99	52.3	50.0	105	72-125	5	30
Toluene	1.0 U	48.1	50.0	96	50.2	50.0	100	79-119	4	30
Trichloroethene (TCE)	1.0 U	45.4	50.0	91	47.9	50.0	96	74-122	5	30
Trichlorofluoromethane (CFC 11)	1.0 U	47.4	50.0	95	49.3	50.0	99	71-136	4	30
Vinyl Acetate	2.0 U	48.3	50.0	97	50.0	50.0	100	48-172	4	30
Vinyl Chloride	1.0 U	47.4	50.0	95	48.8	50.0	98	74-159	3	30
cis-1,2-Dichloroethene	1.0 U	49.7	50.0	99	49.6	50.0	99	77-127	<1	30
cis-1,3-Dichloropropene	1.0 U	47.3	50.0	95	49.6	50.0	99	52-134	5	30
m,p-Xylenes	2.0 U	101	100	101	107	100	107	80-126	6	30
o-Xylene	1.0 U	51.6	50.0	103	54.7	50.0	109	79-123	6	30
trans-1,2-Dichloroethene	1.0 U	52.7	50.0	105	51.8	50.0	104	73-118	2	30
trans-1,3-Dichloropropene	1.0 U	46.3	50.0	93	48.9	50.0	98	71-133	5	30
trans-1,4-Dichloro-2-butene	1.0 U	41.4	50.0	83	44.0	50.0	88	27-155	6	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2207303-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 13:50	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	06/27/22 13:50	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	06/27/22 13:50	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	06/27/22 13:50	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	06/27/22 13:50	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	06/27/22 13:50	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	06/27/22 13:50	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	06/27/22 13:50	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	06/27/22 13:50	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 13:50	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	06/27/22 13:50	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	06/27/22 13:50	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	06/27/22 13:50	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	06/27/22 13:50	
2-Hexanone	5.0 U	5.0	0.20	1	06/27/22 13:50	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	06/27/22 13:50	
Acetone	5.0 U	5.0	5.0	1	06/27/22 13:50	
Acrylonitrile	10 U	10	0.90	1	06/27/22 13:50	
Benzene	1.0 U	1.0	0.20	1	06/27/22 13:50	
Bromochloromethane	1.0 U	1.0	0.20	1	06/27/22 13:50	
Bromodichloromethane	1.0 U	1.0	0.20	1	06/27/22 13:50	
Bromoform	1.0 U	1.0	0.25	1	06/27/22 13:50	
Bromomethane	1.0 U	1.0	0.70	1	06/27/22 13:50	
Carbon Disulfide	1.0 U	1.0	0.42	1	06/27/22 13:50	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	06/27/22 13:50	
Chlorobenzene	1.0 U	1.0	0.20	1	06/27/22 13:50	
Chloroethane	1.0 U	1.0	0.23	1	06/27/22 13:50	
Chloroform	1.0 U	1.0	0.24	1	06/27/22 13:50	
Chloromethane	1.0 U	1.0	0.28	1	06/27/22 13:50	
Dibromochloromethane	1.0 U	1.0	0.20	1	06/27/22 13:50	
Dibromomethane	1.0 U	1.0	0.20	1	06/27/22 13:50	
Methylene Chloride	1.0 U	1.0	0.65	1	06/27/22 13:50	
Ethylbenzene	1.0 U	1.0	0.20	1	06/27/22 13:50	
Iodomethane	5.0 U	5.0	4.3	1	06/27/22 13:50	
Methyl tert-Butyl Ether	1.0 U	1.0	0.20	1	06/27/22 13:50	
Styrene	1.0 U	1.0	0.20	1	06/27/22 13:50	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	06/27/22 13:50	
Toluene	1.0 U	1.0	0.20	1	06/27/22 13:50	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	06/27/22 13:50	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	06/27/22 13:50	
Vinyl Acetate	2.0 U	2.0	1.1	1	06/27/22 13:50	
Vinyl Chloride	1.0 U	1.0	0.20	1	06/27/22 13:50	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	06/27/22 13:50	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2207303-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	06/27/22 13:50	
m,p-Xylenes	2.0 U	2.0	0.20	1	06/27/22 13:50	
o-Xylene	1.0 U	1.0	0.20	1	06/27/22 13:50	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	06/27/22 13:50	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	06/27/22 13:50	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	06/27/22 13:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	06/27/22 13:50	
Dibromofluoromethane	92	80 - 116	06/27/22 13:50	
Toluene-d8	98	87 - 121	06/27/22 13:50	

Client: Barton & Loguidice, DPC
Project: Prattsburgh LF/Special Baseline
Sample Matrix: Water

Service Request: R2205661
Date Analyzed: 06/27/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2207303-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	18.4	20.0	92	76-129
1,1,1-Trichloroethane (TCA)	8260C	18.8	20.0	94	75-125
1,1,2,2-Tetrachloroethane	8260C	19.1	20.0	95	78-126
1,1,2-Trichloroethane	8260C	18.6	20.0	93	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	21.4	20.0	107	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	24.8	20.0	124 *	71-118
1,2,3-Trichloropropane	8260C	20.1	20.0	101	75-118
1,2-Dibromo-3-chloropropane (DBCP)	8260C	17.6	20.0	88	55-136
1,2-Dibromoethane	8260C	20.0	20.0	100	82-127
1,2-Dichlorobenzene	8260C	20.8	20.0	104	80-119
1,2-Dichloroethane	8260C	18.9	20.0	95	71-127
1,2-Dichloropropane	8260C	20.2	20.0	101	80-119
1,4-Dichlorobenzene	8260C	21.3	20.0	107	79-119
2-Butanone (MEK)	8260C	18.4	20.0	92	61-137
2-Hexanone	8260C	18.9	20.0	94	63-124
4-Methyl-2-pentanone	8260C	18.1	20.0	91	66-124
Acetone	8260C	19.4	20.0	97	40-161
Acrylonitrile	8260C	99.2	100	99	71-130
Benzene	8260C	20.1	20.0	101	79-119
Bromochloromethane	8260C	19.8	20.0	99	81-126
Bromodichloromethane	8260C	18.2	20.0	91	81-123
Bromoform	8260C	20.0	20.0	100	65-146
Bromomethane	8260C	15.8	20.0	79	42-166
Carbon Disulfide	8260C	18.9	20.0	94	66-128
Carbon Tetrachloride	8260C	17.8	20.0	89	70-127
Chlorobenzene	8260C	19.8	20.0	99	80-121
Chloroethane	8260C	17.3	20.0	87	62-131
Chloroform	8260C	20.9	20.0	104	79-120
Chloromethane	8260C	19.8	20.0	99	65-135
Dibromochloromethane	8260C	20.2	20.0	101	72-128
Dibromomethane	8260C	20.2	20.0	101	80-118
Methylene Chloride	8260C	21.1	20.0	106	73-122
Ethylbenzene	8260C	19.9	20.0	100	76-120

Client: Barton & Loguidice, DPC
Project: Prattsburgh LF/Special Baseline
Sample Matrix: Water

Service Request: R2205661
Date Analyzed: 06/27/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2207303-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iodomethane	8260C	15.1	20.0	76	18-160
Methyl tert-Butyl Ether	8260C	20.1	20.0	101	75-118
Styrene	8260C	20.0	20.0	100	80-124
Tetrachloroethene (PCE)	8260C	20.6	20.0	103	72-125
Toluene	8260C	19.4	20.0	97	79-119
Trichloroethene (TCE)	8260C	18.5	20.0	93	74-122
Trichlorofluoromethane (CFC 11)	8260C	19.2	20.0	96	71-136
Vinyl Acetate	8260C	20.0	20.0	100	52-174
Vinyl Chloride	8260C	17.8	20.0	89	74-159
cis-1,2-Dichloroethene	8260C	19.1	20.0	95	80-121
cis-1,3-Dichloropropene	8260C	19.1	20.0	96	77-122
m,p-Xylenes	8260C	41.2	40.0	103	80-126
o-Xylene	8260C	20.1	20.0	101	79-123
trans-1,2-Dichloroethene	8260C	19.9	20.0	99	73-118
trans-1,3-Dichloropropene	8260C	18.5	20.0	93	71-133
trans-1,4-Dichloro-2-butene	8260C	16.5	20.0	82	39-137

Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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www.alsglobal.com

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2205661-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum, Total	6010C	100	U	ug/L	100	1	06/24/22 20:52	06/23/22	
Antimony, Total	6010C	60	U	ug/L	60	1	06/24/22 20:52	06/23/22	
Arsenic, Total	6010C	10	U	ug/L	10	1	06/24/22 20:52	06/23/22	
Barium, Total	6010C	20	U	ug/L	20	1	06/24/22 20:52	06/23/22	
Beryllium, Total	6010C	3.0	U	ug/L	3.0	1	06/24/22 20:52	06/23/22	
Boron, Total	6010C	200	U	ug/L	200	1	06/24/22 20:52	06/23/22	
Cadmium, Total	6010C	5.0	U	ug/L	5.0	1	06/24/22 20:52	06/23/22	
Calcium, Total	6010C	1000	U	ug/L	1000	1	06/24/22 20:52	06/23/22	
Chromium, Total	6010C	10	U	ug/L	10	1	06/24/22 20:52	06/23/22	
Cobalt, Total	6010C	50	U	ug/L	50	1	06/24/22 20:52	06/23/22	
Copper, Total	6010C	20	U	ug/L	20	1	06/24/22 20:52	06/23/22	
Iron, Total	6010C	100	U	ug/L	100	1	06/24/22 20:52	06/23/22	
Lead, Total	6010C	50	U	ug/L	50	1	06/24/22 20:52	06/23/22	
Magnesium, Total	6010C	1000	U	ug/L	1000	1	06/24/22 20:52	06/23/22	
Manganese, Total	6010C	10	U	ug/L	10	1	06/24/22 20:52	06/23/22	
Mercury, Total	7470A	0.20	U	ug/L	0.20	1	06/28/22 10:02	06/27/22	
Nickel, Total	6010C	40	U	ug/L	40	1	06/24/22 20:52	06/23/22	
Potassium, Total	6010C	2000	U	ug/L	2000	1	06/24/22 20:52	06/23/22	
Selenium, Total	6010C	10	U	ug/L	10	1	06/24/22 20:52	06/23/22	
Silver, Total	6010C	10	U	ug/L	10	1	06/24/22 20:52	06/23/22	
Sodium, Total	6010C	1000	U	ug/L	1000	1	06/24/22 20:52	06/23/22	
Thallium, Total	6010C	10	U	ug/L	10	1	06/24/22 20:52	06/23/22	
Vanadium, Total	6010C	50	U	ug/L	50	1	06/24/22 20:52	06/23/22	
Zinc, Total	6010C	20	U	ug/L	20	1	06/24/22 20:52	06/23/22	

Client: Barton & Loguidice, DPC
Project: Prattsburgh LF/Special Baseline
Sample Matrix: Water

Service Request:R2205661
Date Collected:06/21/22
Date Received:06/21/22
Date Analyzed:06/24/22 - 06/28/22

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: OWB-103
Lab Code: R2205661-003

Units:ug/L
Basis:NA

			Matrix Spike			Duplicate Matrix Spike					
			R2205661-003MS			R2205661-003DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aluminum, Total	6010C	2180	3720	2000	77	3590	2000	70 *	75-125	3	20
Antimony, Total	6010C	60 U	475	500	95	485	500	97	75-125	2	20
Arsenic, Total	6010C	10 U	42	40	106	40	40	99	75-125	6	20
Barium, Total	6010C	127	2130	2000	100	2160	2000	102	75-125	1	20
Beryllium, Total	6010C	3.0 U	47.2	50.0	94	47.5	50.0	95	75-125	<1	20
Boron, Total	6010C	200 U	1000	1000	100	1010	1000	101	75-125	<1	20
Cadmium, Total	6010C	5.0 U	50.0	50.0	100	50.4	50.0	101	75-125	<1	20
Calcium, Total	6010C	60700	59500	2000	-61 #	60600	2000	-4 #	75-125	2	20
Chromium, Total	6010C	10 U	202	200	101	203	200	102	75-125	<1	20
Cobalt, Total	6010C	50 U	498	500	100	506	500	101	75-125	2	20
Copper, Total	6010C	20 U	245	250	98	247	250	99	75-125	<1	20
Iron, Total	6010C	1630	2440	1000	82	2440	1000	81	75-125	<1	20
Lead, Total	6010C	50 U	494	500	99	502	500	100	75-125	2	20
Magnesium, Total	6010C	14100	15300	2000	61 #	15500	2000	71 #	75-125	1	20
Manganese, Total	6010C	622	1090	500	93	1100	500	96	75-125	1	20
Mercury, Total	7470A	0.20 U	0.95	1.00	95	0.96	1.00	96	75-125	2	20
Nickel, Total	6010C	40 U	498	500	100	504	500	101	75-125	1	20
Potassium, Total	6010C	2000 U	19900	20000	100	20100	20000	100	75-125	<1	20
Selenium, Total	6010C	10 U	966	1010	96	993	1010	98	75-125	3	20
Silver, Total	6010C	10 U	48	50	97	49	50	98	75-125	1	20
Sodium, Total	6010C	2200	22600	20000	102	22700	20000	103	75-125	<1	20
Thallium, Total	6010C	10 U	1860	2000	93	1880	2000	94	75-125	<1	20
Vanadium, Total	6010C	50 U	494	500	99	499	500	100	75-125	<1	20
Zinc, Total	6010C	20 U	518	500	104	524	500	105	75-125	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Barton & Loguidice, DPC
Project: Prattsburgh LF/Special Baseline
Sample Matrix: Water

Service Request: R2205661
Date Analyzed: 06/24/22 - 06/28/22

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
R2205661-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Aluminum, Total	6010C	1950	2000	98	80-120
Antimony, Total	6010C	479	500	96	80-120
Arsenic, Total	6010C	40	40	99	80-120
Barium, Total	6010C	2060	2000	103	80-120
Beryllium, Total	6010C	47.2	50.0	94	80-120
Boron, Total	6010C	980	1000	98	80-120
Cadmium, Total	6010C	51.8	50.0	104	80-120
Calcium, Total	6010C	2000	2000	100	80-120
Chromium, Total	6010C	203	200	101	80-120
Cobalt, Total	6010C	512	500	102	80-120
Copper, Total	6010C	247	250	99	80-120
Iron, Total	6010C	990	1000	99	80-120
Lead, Total	6010C	506	500	101	80-120
Magnesium, Total	6010C	2000	2000	98	80-120
Manganese, Total	6010C	503	500	101	80-120
Mercury, Total	7470A	0.972	1.00	97	80-120
Nickel, Total	6010C	512	500	102	80-120
Potassium, Total	6010C	18000	20000	90	80-120
Selenium, Total	6010C	966	1010	96	80-120
Silver, Total	6010C	48	50	96	80-120
Sodium, Total	6010C	20300	20000	102	80-120
Thallium, Total	6010C	1820	2000	91	80-120
Vanadium, Total	6010C	494	500	99	80-120
Zinc, Total	6010C	520	500	104	80-120

General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2205661-MB1		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	06/25/22 17:02	

Analytical Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2205661-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	07/01/22 13:20	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Barton & Loguidice, DPC	**Service Request:**	R2205661
Project:	Prattsburgh LF/Special Baseline	**Date Collected:**	06/21/22
Sample Matrix:	Water	**Date Received:**	06/21/22
		Date Analyzed:	06/25/22

Duplicate Matrix Spike Summary
Cyanide, Total

Sample Name:	OWB-103	**Units:**	mg/L
Lab Code:	R2205661-003	**Basis:**	NA
Analysis Method:	Kelada-01		

		Matrix Spike			Duplicate Matrix Spike					
		R2205661-003MS			R2205661-003DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Cyanide, Total	0.0050 U	0.0895	0.100	90	0.0910	0.100	91	90-110	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client: Barton & Loguidice, DPC
Project: Prattsburgh LF/Special Baseline
Sample Matrix: Water

Service Request: R2205661
Date Analyzed: 06/25/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2205661-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	Kelada-01	0.0903	0.100	90	90-110

Client: Barton & Loguidice, DPC
Project: Prattsburgh LF/Special Baseline
Sample Matrix: Water

Service Request: R2205661
Date Analyzed: 07/01/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2205661-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	Kelada-01	0.0988	0.100	99	90-110

Appendix C

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA - PAGE INDEX

SAMPLE LOCATIONS	FIELD/ INORGANIC PARAMETERS	TOTAL METALS	ORGANIC COMPOUNDS (DETECTED)
MONITORING WELLS			
OWB-101	2-3	4-5	6
OWB-102	8-9	10-11	12
OWB-103	14-15	16-17	18
B-105	20-21	22-23	24
B-106	26-27	28-29	30
B-107	32-33	34-35	36
B-108	38-39	40-41	42
B-109	44-45	46-47	48
B-110	50-51	52-53	54
B-111	56-57	58-59	60

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS					
SOIL/ BEDROCK INTERFACE	TEMP. (deg. F)	Eh (mV)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells											
OWB-101											
03-Jun-04	55	-14	7.4	356	**> 1000.0**	-	-	-	-	-	-
20-Jun-05	DRY	-	-	-	-	-	-	-	-	-	-
22-Jun-06	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-07	DRY	-	-	-	-	-	-	-	-	-	-
26-Jun-08	DRY	-	-	-	-	-	-	-	-	-	-
22-Jun-09	DRY	-	-	-	-	-	-	-	-	-	-
01-Jul-10	DRY	-	-	-	-	-	-	-	-	-	-
27-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-
01-Nov-12	DRY	-	-	-	-	-	-	-	-	-	-
12-Jun-13	DRY	-	-	-	-	-	-	-	-	-	-
29-May-14	DRY	-	-	-	-	-	-	-	-	-	-
30-Jun-15	DRY	-	-	-	-	-	-	-	-	-	-
11-Apr-16	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-17	DRY	-	-	-	-	-	-	-	-	-	-
10-Jul-18	DRY	-	-	-	-	-	-	-	-	-	-
30-May-19	DRY	-	-	-	-	-	-	-	-	-	-
16-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
25-May-21	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

SOIL/ BEDROCK INTERFACE	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **OWB-101**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	-
20-Jun-05	DRY	-	-	-	-	-	-	-	-	-	-
22-Jun-06	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-07	DRY	-	-	-	-	-	-	-	-	-	-
26-Jun-08	DRY	-	-	-	-	-	-	-	-	-	-
22-Jun-09	DRY	-	-	-	-	-	-	-	-	-	-
01-Jul-10	DRY	-	-	-	-	-	-	-	-	-	-
27-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-
01-Nov-12	DRY	-	-	-	-	-	-	-	-	-	-
12-Jun-13	DRY	-	-	-	-	-	-	-	-	-	-
29-May-14	DRY	-	-	-	-	-	-	-	-	-	-
30-Jun-15	DRY	-	-	-	-	-	-	-	-	-	-
11-Apr-16	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-17	DRY	-	-	-	-	-	-	-	-	-	-
10-Jul-18	DRY	-	-	-	-	-	-	-	-	-	-
30-May-19	DRY	-	-	-	-	-	-	-	-	-	-
16-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
25-May-21	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	[0.003]	0.005	-	0.05	-	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **OWB-101**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	-
20-Jun-05	DRY	-	-	-	-	-	-	-	-	-	-
22-Jun-06	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-07	DRY	-	-	-	-	-	-	-	-	-	-
26-Jun-08	DRY	-	-	-	-	-	-	-	-	-	-
22-Jun-09	DRY	-	-	-	-	-	-	-	-	-	-
01-Jul-10	DRY	-	-	-	-	-	-	-	-	-	-
27-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-
01-Nov-12	DRY	-	-	-	-	-	-	-	-	-	-
12-Jun-13	DRY	-	-	-	-	-	-	-	-	-	-
29-May-14	DRY	-	-	-	-	-	-	-	-	-	-
30-Jun-15	DRY	-	-	-	-	-	-	-	-	-	-
11-Apr-16	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-17	DRY	-	-	-	-	-	-	-	-	-	-
10-Jul-18	DRY	-	-	-	-	-	-	-	-	-	-
30-May-19	DRY	-	-	-	-	-	-	-	-	-	-
16-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
25-May-21	DRY	-	-	-	-	-	-	-	-	-	-
21-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.0007	0.1	-	20	0.01	0.05	[0.0005]	-	[2.0]
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **OWB-101**												
03-Jun-04	-	-	-	-	-	-	-	-	-	-	-	-
20-Jun-05	DRY	-	-	-	-	-	-	-	-	-	-	-
22-Jun-06	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Jun-07	DRY	-	-	-	-	-	-	-	-	-	-	-
26-Jun-08	DRY	-	-	-	-	-	-	-	-	-	-	-
22-Jun-09	DRY	-	-	-	-	-	-	-	-	-	-	-
01-Jul-10	DRY	-	-	-	-	-	-	-	-	-	-	-
27-Jun-11	DRY	-	-	-	-	-	-	-	-	-	-	-
01-Nov-12	DRY	-	-	-	-	-	-	-	-	-	-	-
12-Jun-13	DRY	-	-	-	-	-	-	-	-	-	-	-
29-May-14	DRY	-	-	-	-	-	-	-	-	-	-	-
30-Jun-15	DRY	-	-	-	-	-	-	-	-	-	-	-
11-Apr-16	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Jun-17	DRY	-	-	-	-	-	-	-	-	-	-	-
10-Jul-18	DRY	-	-	-	-	-	-	-	-	-	-	-
30-May-19	DRY	-	-	-	-	-	-	-	-	-	-	-
16-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-	-
25-May-21	DRY	-	-	-	-	-	-	-	-	-	-	-
21-Jun-22	DRY	-	-	-	-	-	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

		ORGANIC PARAMETERS (DETECTED)	
SOIL/ BEDROCK INTERFACE		Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		[50]	
TRIGGER VALUES		-	
Monitoring Wells			
OWB-101	ANALYSIS METHOD		
03-Jun-04	8260	19	19
20-Jun-05	DRY	-	-
22-Jun-06	DRY	-	-
21-Jun-07	DRY	-	-
26-Jun-08	DRY	-	-
22-Jun-09	DRY	-	-
01-Jul-10	DRY	-	-
27-Jun-11	DRY	-	-
01-Nov-12	DRY	-	-
12-Jun-13	DRY	-	-
29-May-14	DRY	-	-
30-Jun-15	DRY	-	-
11-Apr-16	DRY	-	-
21-Jun-17	DRY	-	-
10-Jul-18	DRY	-	-
30-May-19	DRY	-	-
16-Jun-20	DRY	-	-
25-May-21	DRY	-	-
21-Jun-22	DRY	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

SOIL/ BEDROCK INTERFACE	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells											
OWB-102											
03-Jun-04	51	40	**6.5**	314	**258.0**	-	-	-	-	-	-
20-Jun-05	57	86	**6.0**	340	**394.0**	-	-	-	-	-	-
22-Jun-06	57	98	**5.9**	307	**186.0**	-	-	-	-	-	-
21-Jun-07	52	30	**6.5**	266	**204.0**	-	-	-	-	-	-
26-Jun-08	53	11	**6.5**	377	**251.0**	-	-	-	-	-	-
22-Jun-09	56	23	**6.4**	299	**276.0**	-	-	-	-	-	-
01-Jul-10	52	-31	7.1	284	**87.7**	-	-	-	-	-	-
27-Jun-11	53	20	6.5	416	**877.0**	-	-	-	-	-	-
01-Nov-12	51	-41	7.8	285	**15.8**	-	-	-	-	-	-
12-Jun-13	52	160	6.6	290	**963.0**	-	-	-	-	-	-
29-May-14	47	58	6.8	380	**> 2000.0**	-	-	-	-	-	-
30-Jun-15	50	78	6.6	440	**132.0**	-	-	-	-	-	-
11-Apr-16	46	-10	6.8	390	**115.0**	-	-	-	-	-	-
21-Jun-17	56	-	6.7	390	**105.4**	-	-	-	-	-	-
10-Jul-18	56	169	**6.2**	365	3.9	-	-	-	-	-	-
31-May-19	51	217	6.7	343	**6.8**	-	-	-	-	-	-
16-Jun-20	52	119	6.7	356	**8.7**	-	-	-	-	-	-
25-May-21	47	181	6.7	334	**10.9**	-	-	-	-	-	-
21-Jun-22	52	160	7.0	367	4.5	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

SOIL/ BEDROCK INTERFACE	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **OWB-102**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	< 0.010
20-Jun-05	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-06	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-07	-	-	-	-	-	-	-	-	-	-	< 0.010
26-Jun-08	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-09	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Jul-10	-	-	-	-	-	-	-	-	-	-	< 0.010
27-Jun-11	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Nov-12	-	-	-	-	-	-	-	-	-	-	< 0.010
12-Jun-13	-	-	-	-	-	-	-	-	-	-	< 0.010
29-May-14	-	-	-	-	-	-	-	-	-	-	< 0.010
30-Jun-15	-	-	-	-	-	-	-	-	-	-	< 0.010
11-Apr-16	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-17	-	-	-	-	-	-	-	-	-	-	< 0.010
10-Jul-18	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
31-May-19	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
16-Jun-20	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005
25-May-21	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
21-Jun-22	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	[0.003]	0.005	-	0.05	-	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **OWB-102**											
03-Jun-04	13.40	< 0.015	0.011	0.690	< 0.003	< 0.005	-	0.020	< 0.02	0.031	**23.8**
20-Jun-05	11.30	**0.017**	< 0.010	0.550	< 0.003	< 0.005	-	0.019	< 0.02	0.024	**19.0**
22-Jun-06	6.23	< 0.015	0.013	0.495	< 0.003	< 0.005	-	0.011	< 0.02	0.017	**13.0**
21-Jun-07	12.20	< 0.015	0.011	0.656	< 0.003	< 0.005	-	0.015	< 0.02	0.021	**21.5**
26-Jun-08	41.50	< 0.015	0.022	**1.010**	**0.004**	< 0.005	-	**0.053**	0.04	0.051	**65.5**
22-Jun-09	10.60	< 0.030	< 0.010	0.774	< 0.003	0.018	-	0.012	0.02	0.030	**20.9**
01-Jul-10	7.61	< 0.005	0.006	0.479	< 0.003	< 0.005	-	0.010	< 0.02	0.012	**12.0**
27-Jun-11	4.40	< 0.005	< 0.005	0.477	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	**7.6**
01-Nov-12	< 0.10	**0.005**	< 0.005	0.191	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	0.1
12-Jun-13	32.10	< 0.020	**0.030**	0.960	< 0.002	< 0.001	-	0.035	0.03	0.054	**45.3**
29-May-14	91.00	< 0.020	**0.083**	**1.500**	**0.004**	< 0.002	-	**0.110**	0.08	0.110	**144.0**
30-Jun-15	10.20	< 0.020	< 0.015	0.500	< 0.002	< 0.002	-	0.010	0.01	0.016	**9.1**
11-Apr-16	8.50	< 0.020	< 0.015	0.400	< 0.002	< 0.002	-	0.009	0.01	< 0.010	**7.3**
21-Jun-17	5.80	< 0.020	< 0.015	0.420	< 0.002	< 0.002	-	0.005	0.01	< 0.010	**6.7**
10-Jul-18	1.24	< 0.060	< 0.010	0.372	< 0.003	< 0.005	53.8	< 0.010	< 0.05	< 0.020	**2.6**
31-May-19	0.11	< 0.060	< 0.010	0.311	< 0.003	< 0.005	59.2	< 0.010	0.00	< 0.020	0.3
16-Jun-20	1.08	< 0.060	< 0.010	0.274	< 0.003	< 0.005	55.9	< 0.010	< 0.05	< 0.020	**1.2**
25-May-21	0.77	< 0.060	< 0.010	0.272	< 0.003	< 0.005	55.1	< 0.010	< 0.05	< 0.020	**0.7**
21-Jun-22	0.36	< 0.060	< 0.010	0.266	< 0.003	< 0.005	61.2	< 0.010	< 0.05	< 0.020	**0.4**

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.0007	0.1	-	20	0.01	0.05	[0.0005]	-	[2.0]
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **OWB-102**												
03-Jun-04	0.013	20.3	**5.07**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.09
20-Jun-05	0.014	18.2	**4.78**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.07
22-Jun-06	0.005	16.0	**5.10**	< 0.0002	0.07	-	-	0.007	< 0.010	< 0.0100	< 0.03	0.05
21-Jun-07	0.011	20.7	**5.65**	< 0.0002	0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.06
26-Jun-08	**0.029**	27.3	**4.77**	< 0.0002	0.07	-	-	< 0.005	< 0.010	< 0.0100	0.05	0.19
22-Jun-09	0.010	15.8	**4.88**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.06
01-Jul-10	0.005	17.2	**4.37**	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	0.03
27-Jun-11	0.004	16.7	**4.87**	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	0.03
01-Nov-12	< 0.003	9.0	< 0.01	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	< 0.01
12-Jun-13	**0.026**	18.5	**4.20**	< 0.0002	0.04	-	-	< 0.015	< 0.003	< 0.0200	0.05	0.11
29-May-14	**0.084**	38.1	**5.30**	< 0.0002	0.14	-	-	< 0.025	< 0.006	< 0.0200	0.13	0.34
30-Jun-15	0.017	16.0	**5.40**	< 0.0002	0.01	-	-	< 0.025	< 0.006	< 0.0200	0.02	0.03
11-Apr-16	< 0.010	14.0	**4.40**	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	0.01	0.02
21-Jun-17	< 0.010	12.8	**4.40**	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	0.01	0.02
10-Jul-18	< 0.050	13.1	**3.97**	< 0.0002	< 0.04	2.9	6.1	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
31-May-19	< 0.050	12.9	**1.36**	< 0.0002	< 0.04	2.2	3.5	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
16-Jun-20	< 0.050	11.5	**0.86**	< 0.0002	< 0.04	3.1	5.2	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
25-May-21	< 0.050	9.9	**0.61**	< 0.0002	< 0.04	3.6	3.6	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
21-Jun-22	< 0.050	10.9	0.09	< 0.0002	< 0.04	2.1	5.4	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02

STEUBEN COUNTY
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GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

SOIL/ BEDROCK INTERFACE		Toluene (ug/l)	Chloromethane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	5	
TRIGGER VALUES		-	-	
Monitoring Wells				
OWB-102	ANALYSIS METHOD			
03-Jun-04	8260	< 10	-	0
20-Jun-05	8260	< 10	-	0
22-Jun-06	8260	**8 J**	-	8
21-Jun-07	8260	< 10	-	0
26-Jun-08	8260	< 5	-	0
22-Jun-09	8260	< 5	-	0
01-Jul-10	8260	< 5	-	0
27-Jun-11	8260	< 5	-	0
01-Nov-12	8260	< 5	-	0
12-Jun-13	8260	< 1	-	0
29-May-14	8260	< 1	-	0
30-Jun-15	8260	< 1	-	0
11-Apr-16	8260	< 1	-	0
21-Jun-17	8260	< 1	-	0
10-Jul-18	8260	< 1	-	0
31-May-19	8260	< 1	0.3 J	0.3
16-Jun-20	8260	< 1	0.32 BJ	0.32
25-May-21	8260	< 1	< 1	0
21-Jun-22	8260	< 1	< 1	0

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS					
SOIL/ BEDROCK INTERFACE	TEMP. (deg. F)	Eh (mV)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **OWB-103**											
03-Jun-04	56	38.1	6.5	251	**190.0**	-	-	-	-	-	-
20-Jun-05	56	77.4	**6.1**	272	**347.0**	-	-	-	-	-	-
22-Jun-06	56	83.3	**6.1**	237	**3400.0**	-	-	-	-	-	-
21-Jun-07	56	27.6	6.6	222	**159.0**	-	-	-	-	-	-
26-Jun-08	56	0.5	6.7	312	**48.9**	-	-	-	-	-	-
22-Jun-09	59	11.4	6.6	278	**38.7**	-	-	-	-	-	-
01-Jul-10	56	-35.4	7.2	299	**30.7**	-	-	-	-	-	-
27-Jun-11	56	22.4	**6.4**	341	**168.0**	-	-	-	-	-	-
01-Nov-12	DRY	-	-	-	-	DRY	-	-	-	-	-
12-Jun-13	-	85.0	6.7	290	**1602.0**	-	-	-	-	-	-
29-May-14	48	90	6.8	340	**126.0**	-	-	-	-	-	-
30-Jun-15	53	118	6.7	370	**214.0**	-	-	-	-	-	-
11-Apr-16	43	32	6.8	350	**85.3**	-	-	-	-	-	-
21-Jun-17	57	-	6.8	390	**106.4**	-	-	-	-	-	-
10-Jul-18	60	154	**6.2**	416	**66.7**	-	-	-	-	-	-
31-May-19	59	163	6.6	338	**6.9**	-	-	-	-	-	-
16-Jun-20	53	101	7.0	356	4.7	-	-	-	-	-	-
25-May-21	52	155	6.7	347	**16.2**	-	-	-	-	-	-
21-Jun-22	52	162	**6.3**	371	**11.3**	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

SOIL/ BEDROCK INTERFACE	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **OWB-103**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	< 0.010
20-Jun-05	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-06	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-07	-	-	-	-	-	-	-	-	-	-	< 0.010
26-Jun-08	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-09	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Jul-10	-	-	-	-	-	-	-	-	-	-	< 0.010
27-Jun-11	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Nov-12	DRY	-	-	-	-	-	-	-	-	-	-
12-Jun-13	-	-	-	-	-	-	-	-	-	-	< 0.010
29-May-14	-	-	-	-	-	-	-	-	-	-	< 0.010
30-Jun-15	-	-	-	-	-	-	-	-	-	-	< 0.010
11-Apr-16	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-17	-	-	-	-	-	-	-	-	-	-	< 0.010
10-Jul-18	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
31-May-19	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
16-Jun-20	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005
25-May-21	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
21-Jun-22	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	[0.003]	0.005	-	0.05	-	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells											
OWB-103											
03-Jun-04	8.81	< 0.015	< 0.010	0.518	< 0.003	< 0.005	-	0.014	< 0.02	0.027	**12.8**
20-Jun-05	16.10	< 0.015	0.020	0.548	< 0.003	< 0.005	-	0.022	< 0.02	0.039	**24.6**
22-Jun-06	14.00	< 0.015	0.015	0.479	< 0.003	< 0.005	-	0.018	< 0.02	0.023	**20.2**
21-Jun-07	5.50	< 0.015	0.013	0.349	< 0.003	< 0.005	-	0.007	< 0.02	0.015	**9.6**
26-Jun-08	3.50	< 0.015	< 0.010	0.389	< 0.003	< 0.005	-	0.009	< 0.02	0.011	**4.9**
22-Jun-09	1.97	< 0.030	< 0.010	0.367	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	**4.7**
01-Jul-10	1.87	< 0.005	0.008	0.322	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	**4.1**
27-Jun-11	1.70	< 0.005	< 0.005	0.373	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	**2.8**
01-Nov-12	DRY	-	-	-	-	-	-	-	-	-	-
12-Jun-13	41.60	< 0.020	**0.031**	0.950	< 0.002	< 0.001	-	0.045	0.03	0.081	**49.8**
29-May-14	15.80	< 0.020	0.015	0.440	0.002	< 0.002	-	0.017	0.01	0.028	**15.6**
30-Jun-15	23.00	< 0.020	0.015	0.490	< 0.002	< 0.002	-	0.025	0.02	0.044	**24.8**
11-Apr-16	6.80	< 0.020	< 0.015	0.350	< 0.002	< 0.002	-	0.007	0.00	< 0.010	**5.7**
21-Jun-17	31.30	< 0.020	< 0.015	0.750	< 0.002	< 0.002	-	0.032	0.02	0.060	**32.7**
10-Jul-18	0.82	< 0.060	< 0.010	0.229	< 0.003	< 0.005	51.9	< 0.010	< 0.05	< 0.020	**2.7**
31-May-19	1.46	< 0.060	< 0.010	0.096	< 0.003	< 0.005	61.5	0.002	0.00	< 0.020	**1.0**
16-Jun-20	4.91	< 0.060	< 0.010	0.203	< 0.003	< 0.005	57.7	< 0.010	< 0.05	< 0.020	**4.4**
25-May-21	1.17	< 0.060	< 0.010	0.101	< 0.003	< 0.005	59.5	< 0.010	< 0.05	< 0.020	**0.7**
21-Jun-22	2.18	< 0.060	< 0.010	0.127	< 0.003	< 0.005	60.7	< 0.010	< 0.05	< 0.020	**1.6**

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.0007	0.1	-	20	0.01	0.05	[0.0005]	-	[2.0]
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells												
OWB-103												
03-Jun-04	**0.034**	15.1	**3.55**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.07
20-Jun-05	**0.031**	15.8	**2.83**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.10
22-Jun-06	0.017	14.1	**2.70**	< 0.0002	0.06	-	-	**0.014**	< 0.010	< 0.0100	< 0.03	0.10
21-Jun-07	0.008	14.3	**3.28**	< 0.0002	< 0.03	-	-	0.008	< 0.010	< 0.0100	< 0.03	0.04
26-Jun-08	< 0.003	12.7	**3.06**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.02
22-Jun-09	< 0.003	13.1	**3.09**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.01
01-Jul-10	0.005	14.0	**2.62**	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	0.01
27-Jun-11	0.006	13.5	**3.08**	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	0.02
01-Nov-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Jun-13	**0.041**	21.0	**3.30**	< 0.0002	0.06	-	-	< 0.015	< 0.003	< 0.0200	0.06	0.15
29-May-14	0.017	15.6	**2.70**	< 0.0002	0.02	-	-	< 0.025	< 0.006	< 0.0200	0.02	0.08
30-Jun-15	**0.038**	17.5	**2.70**	< 0.0002	0.03	-	-	< 0.025	< 0.006	< 0.0200	0.03	0.12
11-Apr-16	< 0.010	14.7	**2.60**	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	0.01	0.03
21-Jun-17	**0.034**	18.2	**2.80**	< 0.0002	0.04	-	-	< 0.025	< 0.006	< 0.0200	0.04	0.12
10-Jul-18	< 0.050	13.9	**3.55**	< 0.0002	< 0.04	2.9	2.6	< 0.010	< 0.010	< 0.0100	< 0.05	0.04
31-May-19	< 0.050	11.1	**0.31**	< 0.0002	< 0.04	1.5	1.8	< 0.010	< 0.010	< 0.0100	0.00	0.01
16-Jun-20	< 0.050	13.9	**1.55**	< 0.0002	< 0.04	2.6	2.0	< 0.010	< 0.010	< 0.0100	< 0.05	0.03
25-May-21	< 0.050	11.0	0.13	< 0.0002	< 0.04	< 2.0	1.4	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
21-Jun-22	< 0.050	14.1	**0.62**	< 0.0002	< 0.04	< 2.0	2.2	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

SOIL/ BEDROCK INTERFACE		Toluene (ug/l)	Methyl-2-Pentanone (ug/l)	Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	-	[50]	
TRIGGER VALUES		-	-	-	
Monitoring Wells					
OWB-103	ANALYSIS METHOD				
03-Jun-04	8260	< 10	-	-	0
20-Jun-05	8260	< 10	-	-	0
22-Jun-06	8260	**10 J**	-	-	10
21-Jun-07	8260	< 10	-	-	0
26-Jun-08	8260	< 5	-	-	0
22-Jun-09	8260	< 10	-	-	0
01-Jul-10	8260	< 5	-	-	0
27-Jun-11	8260	4 J	-	-	4
01-Nov-12	-	-	-	-	-
12-Jun-13	8260	< 1	-	-	0
29-May-14	8260	< 1	-	-	0
30-Jun-15	8260	< 1	-	-	0
11-Apr-16	8260	< 1	-	-	0
21-Jun-17	8260	< 1	-	-	0
10-Jul-18	8260	0.25 J	0.3 J	2.5 J	3.05
31-May-19	8260	< 1	< 5	< 5	0
16-Jun-20	8260	< 1	< 5	< 5	0
25-May-21	8260	< 1	< 5	< 5	0
21-Jun-22	8260	< 1	< 5	< 5	0

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS					
SOIL/ BEDROCK INTERFACE	TEMP. (deg. F)	Eh (mV)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **B-105**											
03-Jun-04	51	35	6.6	298	**7.4**	-	-	-	-	-	-
22-Jun-06	55	90	**6.0**	314	2.7	-	-	-	-	-	-
21-Jun-07	DRY	-	-	-	-	-	-	-	-	-	-
26-Jun-08	54	4	6.9	423	1.9	-	-	-	-	-	-
22-Jun-09	61	-10	7.0	435	**147.0**	-	-	-	-	-	-
01-Jul-10	53	-38	7.3	338	2.5	-	-	-	-	-	-
27-Jun-11	54	11	6.6	463	3.7	-	-	-	-	-	-
01-Nov-12	DRY	-	-	-	-	DRY	-	-	-	-	-
12-Jun-13	51	135	7.0	500	**20.6**	-	-	-	-	-	-
29-May-14	49	119	7.5	490	**6.2**	-	-	-	-	-	-
30-Jun-15	53	46	6.8	530	**6.8**	-	-	-	-	-	-
11-Apr-16	47	40	7.1	560	**8.1**	-	-	-	-	-	-
21-Jun-17	54	-	6.8	530	**12.0**	-	-	-	-	-	-
10-Jul-18	54	20	**6.4**	433	3.0	-	-	-	-	-	-
30-May-19	50	224	6.6	386	0.8	-	-	-	-	-	-
16-Jun-20	49	146	7.0	360	1.5	-	-	-	-	-	-
25-May-21	50	129	6.6	370	0.4	-	-	-	-	-	-
21-Jun-22	53	137	7.1	408	5.7	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

SOIL/ BEDROCK INTERFACE	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **B-105**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-06	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-07	DRY	-	-	-	-	-	-	-	-	-	-
26-Jun-08	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-09	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Jul-10	-	-	-	-	-	-	-	-	-	-	< 0.010
27-Jun-11	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Nov-12	DRY	-	-	-	-	-	-	-	-	-	-
12-Jun-13	-	-	-	-	-	-	-	-	-	-	< 0.010
29-May-14	-	-	-	-	-	-	-	-	-	-	< 0.010
30-Jun-15	-	-	-	-	-	-	-	-	-	-	< 0.010
11-Apr-16	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-17	-	-	-	-	-	-	-	-	-	-	< 0.010
10-Jul-18	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
30-May-19	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
16-Jun-20	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005
25-May-21	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
21-Jun-22	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	[0.003]	0.005	-	0.05	-	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **B-105**											
03-Jun-04	0.27	**0.015**	< 0.010	0.553	< 0.003	< 0.005	-	**0.153**	< 0.020	0.015	**0.89**
22-Jun-06	0.15	< 0.015	< 0.010	0.545	< 0.003	< 0.005	-	0.009	< 0.020	0.012	0.28
21-Jun-07	DRY	-	-	-	-	-	-	-	-	-	-
26-Jun-08	0.13	< 0.015	< 0.010	0.541	< 0.003	< 0.005	-	0.011	< 0.020	0.018	0.25
22-Jun-09	56.20	< 0.030	0.017	**1.720**	< 0.003	**0.093**	-	**0.119**	0.058	0.126	**85.40**
01-Jul-10	< 0.10	< 0.005	< 0.005	0.621	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	0.09
27-Jun-11	0.14	< 0.005	< 0.005	0.653	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	0.23
01-Nov-12	DRY	-	-	-	-	-	-	-	-	-	-
12-Jun-13	2.50	< 0.020	< 0.010	0.660	< 0.002	< 0.001	-	0.016	< 0.004	< 0.010	**2.80**
29-May-14	0.48	< 0.020	< 0.015	0.480	< 0.002	< 0.002	-	0.011	< 0.004	< 0.010	**0.56**
30-Jun-15	0.31	< 0.020	< 0.015	0.590	< 0.002	< 0.002	-	0.018	< 0.004	< 0.010	**0.42**
11-Apr-16	0.27	< 0.020	< 0.015	0.600	< 0.002	< 0.002	-	0.007	< 0.004	< 0.010	0.25
21-Jun-17	2.30	< 0.020	< 0.015	0.530	< 0.002	< 0.002	-	0.012	< 0.004	< 0.010	**2.20**
10-Jul-18	0.22	< 0.060	< 0.010	0.552	< 0.003	< 0.005	6.21	< 0.010	< 0.050	< 0.020	0.18
30-May-19	0.06	< 0.060	< 0.010	0.477	< 0.003	< 0.005	58.80	0.003	< 0.050	< 0.020	0.07
16-Jun-20	< 0.10	< 0.060	< 0.010	0.458	< 0.003	< 0.005	52.30	< 0.010	< 0.050	< 0.020	< 0.10
25-May-21	< 0.10	< 0.060	< 0.010	0.395	< 0.003	< 0.005	53.40	< 0.010	< 0.050	< 0.020	< 0.10
21-Jun-22	2.07	< 0.060	< 0.010	0.447	< 0.003	< 0.005	59.50	0.013	< 0.050	< 0.020	**2.20**

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.0007	0.1	-	20	0.01	0.05	[0.0005]	-	[2.0]
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Well **B-105**												
03-Jun-04	0.003	16	**3.21**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.03
22-Jun-06	< 0.003	19	**0.59**	< 0.0002	0.07	-	-	**0.013**	< 0.010	< 0.0100	< 0.03	0.05
21-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-08	< 0.003	21	0.04	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.05
22-Jun-09	0.007	**45**	**2.72**	< 0.0002	0.13	-	-	< 0.005	< 0.010	< 0.0100	0.08	0.22
01-Jul-10	< 0.003	20	**0.30**	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	< 0.01
27-Jun-11	< 0.003	20	**0.47**	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	0.01
01-Nov-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Jun-13	< 0.005	23	**0.63**	< 0.0002	0.01	-	-	< 0.015	< 0.003	< 0.0200	< 0.01	0.01
29-May-14	< 0.010	19	0.22	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.01
30-Jun-15	< 0.010	23	0.15	< 0.0002	0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.01
11-Apr-16	< 0.010	24	0.19	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	< 0.01
21-Jun-17	< 0.010	21	0.23	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.01
10-Jul-18	< 0.050	19	**1.43**	< 0.0002	< 0.04	< 2	6	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
30-May-19	< 0.050	18	**0.83**	< 0.0002	< 0.04	2	5	< 0.010	< 0.010	< 0.0100	< 0.05	0.02
16-Jun-20	< 0.050	15	0.11	< 0.0002	< 0.04	< 2	5	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
25-May-21	< 0.050	15	< 0.01	< 0.0002	< 0.04	3	4	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
21-Jun-22	< 0.050	17	0.58	< 0.0002	< 0.04	2	6	< 0.010	< 0.010	< 0.010	< 0.05	< 0.02

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

SOIL/ BEDROCK INTERFACE		Toluene (ug/l)	Tetrachloro-ethene (ug/l)	1,1-Dichloro-ethane (ug/l)	Trichloro-ethene (ug/l)	cis-1,2-Dichloro-ethene (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	5	5	5	5	
TRIGGER VALUES		-	-	-	-	-	
Monitoring Well **B-105**	ANALYSIS METHOD						
03-Jun-04	8260	< 10	< 10	-	-	-	0
22-Jun-06	8260	**10**	1 J	-	-	-	11
21-Jun-07	DRY	-	-	-	-	-	-
26-Jun-08	8260	< 5	< 5	-	-	-	0
22-Jun-09	8260	< 5	< 5	-	-	-	0
01-Jul-10	8260	< 5	< 5	-	-	-	0
27-Jun-11	8260	< 5	< 5	-	-	-	0
01-Nov-12	DRY	-	-	-	-	-	-
12-Jun-13	8260	< 1	< 1	-	-	-	0
29-May-14	8260	< 1	< 1	-	-	-	0
30-Jun-15	8260	< 1	< 1	-	-	-	0
11-Apr-16	8260	< 1	< 1	-	-	-	0
21-Jun-17	8260	< 1	< 1	-	-	-	0
10-Jul-18	8260	< 1	0.33 J	0.23 J	0.33 J	0.33 J	1.22
30-May-19	8260	< 1	0.4 J	< 1	0.36 BJ	< 1	0.76
16-Jun-20	8260	< 1	0.44 J	< 1	0.22 J	< 1	0.66
25-May-21	8260	< 1	0.42 J	< 1	0.31 J	< 1	0.73
21-Jun-22	8260	< 1	< 1	< 1	0.24 J	0.25 J	0.49

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

SOIL/ BEDROCK INTERFACE	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-106**											
03-Jun-04	56	-38	7.8	160	**26.8**	-	-	-	-	-	-
20-Jun-05	54	-22	7.9	190	**17.1**	-	-	-	-	-	-
22-Jun-06	57	-31	8.3	185	**26.2**	-	-	-	-	-	-
21-Jun-07	53	-102	**8.9**	142	**25.8**	-	-	-	-	-	-
26-Jun-08	54	-113	**8.7**	209	**7.8**	-	-	-	-	-	-
22-Jun-09	54	-113	**8.9**	164	4.9	-	-	-	-	-	-
01-Jul-10	52	-133	**9.1**	164	2.2	-	-	-	-	-	-
27-Jun-11	54	-1	6.8	254	**214.0**	-	-	-	-	-	-
01-Nov-12	51	-94	**8.9**	251	**15.6**	-	-	-	-	-	-
12-Jun-13	52	85	8.5	250	**16.9**	-	-	-	-	-	-
29-May-14	48	55	8.1	290	**22.6**	-	-	-	-	-	-
30-Jun-15	52	13	8.3	290	**9.2**	-	-	-	-	-	-
11-Apr-16	46	-46	8.4	250	**11.2**	-	-	-	-	-	-
21-Jun-17	54	-	8.2	290	**11.7**	-	-	-	-	-	-
10-Jul-18	58	123	6.6	293	**11.3**	-	-	-	-	-	-
31-May-19	49	145	7.9	272	4.7	-	-	-	-	-	-
16-Jun-20	50	82	8.2	265	3.5	-	-	-	-	-	-
25-May-21	49	138	8.1	264	2.8	-	-	-	-	-	-
21-Jun-22	50	117	7.8	263	3.3	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

SOIL/ BEDROCK INTERFACE	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-106**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	< 0.010
20-Jun-05	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-06	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-07	-	-	-	-	-	-	-	-	-	-	< 0.010
26-Jun-08	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-09	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Jul-10	-	-	-	-	-	-	-	-	-	-	< 0.010
27-Jun-11	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Nov-12	-	-	-	-	-	-	-	-	-	-	< 0.010
12-Jun-13	-	-	-	-	-	-	-	-	-	-	< 0.010
29-May-14	-	-	-	-	-	-	-	-	-	-	< 0.010
30-Jun-15	-	-	-	-	-	-	-	-	-	-	< 0.010
11-Apr-16	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-17	-	-	-	-	-	-	-	-	-	-	< 0.010
10-Jul-18	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
31-May-19	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
16-Jun-20	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005
25-May-21	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
21-Jun-22	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	[0.003]	0.005	-	0.05	-	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-106**											
03-Jun-04	1.81	< 0.015	< 0.010	0.138	< 0.003	< 0.005	-	0.011	< 0.020	0.010	**2.8**
20-Jun-05	6.23	< 0.015	0.020	0.261	< 0.003	< 0.005	-	0.030	< 0.020	0.018	**9.6**
22-Jun-06	1.74	< 0.015	< 0.010	0.136	< 0.003	< 0.005	-	0.009	< 0.020	0.014	**3.0**
21-Jun-07	1.64	< 0.015	< 0.010	0.131	< 0.003	< 0.005	-	0.011	< 0.020	< 0.010	**2.8**
26-Jun-08	0.97	< 0.015	< 0.010	0.148	< 0.003	< 0.005	-	0.009	< 0.020	0.012	**1.6**
22-Jun-09	4.38	< 0.030	< 0.010	0.274	< 0.003	**0.008**	-	0.019	< 0.020	0.012	**6.6**
01-Jul-10	0.11	< 0.005	< 0.005	0.149	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	0.2
27-Jun-11	< 0.10	< 0.005	< 0.005	0.152	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	0.1
01-Nov-12	< 0.10	< 0.005	< 0.005	0.140	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	0.1
12-Jun-13	0.56	< 0.020	< 0.010	0.150	< 0.002	< 0.001	-	0.004	< 0.004	< 0.010	**0.7**
29-May-14	0.66	< 0.020	< 0.015	0.150	< 0.002	< 0.002	-	< 0.004	< 0.004	< 0.010	**0.9**
30-Jun-15	1.70	< 0.020	< 0.015	0.170	< 0.002	< 0.002	-	0.005	< 0.004	< 0.010	**1.7**
11-Apr-16	0.29	< 0.020	< 0.015	0.120	< 0.002	< 0.002	-	< 0.004	< 0.004	< 0.010	0.3
21-Jun-17	1.10	< 0.020	< 0.015	0.160	< 0.002	< 0.002	-	0.006	< 0.004	< 0.010	**1.3**
10-Jul-18	0.67	< 0.060	< 0.010	0.203	< 0.003	< 0.005	43.50	0.019	< 0.050	< 0.020	**1.6**
31-May-19	0.16	< 0.060	< 0.010	0.180	< 0.003	< 0.005	39.30	0.001	< 0.050	< 0.020	**0.4**
16-Jun-20	0.11	< 0.060	< 0.010	0.164	< 0.003	< 0.005	34.60	< 0.010	< 0.050	< 0.020	0.1
25-May-21	< 0.10	< 0.060	< 0.010	0.162	< 0.003	< 0.005	35.10	< 0.010	< 0.050	< 0.020	< 0.1
21-Jun-22	< 0.10	< 0.060	< 0.010	0.173	< 0.003	< 0.005	34.20	< 0.010	< 0.050	< 0.020	< 0.1

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.0007	0.1	-	20	0.01	0.05	[0.0005]	-	[2.0]
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-106**												
03-Jun-04	0.003	6.1	0.08	< 0.0002	0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.03
20-Jun-05	0.008	10.4	0.18	< 0.0002	0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.06
22-Jun-06	0.005	5.6	0.07	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.04
21-Jun-07	< 0.003	5.6	0.08	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.02
26-Jun-08	< 0.003	6.7	0.11	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.03
22-Jun-09	< 0.003	10.6	**0.32**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.02
01-Jul-10	< 0.003	6.0	0.17	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	< 0.01
27-Jun-11	< 0.003	7.4	0.16	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	< 0.01
01-Nov-12	< 0.003	7.4	0.09	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	< 0.01
12-Jun-13	< 0.005	6.9	0.14	< 0.0002	< 0.01	-	-	< 0.015	< 0.003	< 0.0200	< 0.01	< 0.01
29-May-14	< 0.010	7.1	0.21	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	< 0.01
30-Jun-15	< 0.010	8.1	0.20	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.01
11-Apr-16	< 0.010	6.6	0.07	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	< 0.01
21-Jun-17	< 0.010	7.0	0.26	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.01
10-Jul-18	< 0.050	7.8	**0.31**	< 0.0002	< 0.04	5	10	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
31-May-19	< 0.050	7.7	0.10	< 0.0002	< 0.04	3	9	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
16-Jun-20	< 0.050	7.2	0.08	< 0.0002	< 0.04	2	9	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
25-May-21	< 0.050	6.9	0.09	< 0.0002	< 0.04	< 2	8	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
21-Jun-22	< 0.050	6.8	0.12	< 0.0002	< 0.04	< 2	9	< 0.010	< 0.010	< 0.010	< 0.05	< 0.02

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

SOIL/ BEDROCK INTERFACE		Toluene (ug/l)	Carbon Disulfide (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[60]	
TRIGGER VALUES		-	-	
Monitoring Wells				
B-106	ANALYSIS METHOD			
03-Jun-04	8260	< 10	-	0
20-Jun-05	8260	< 10	-	0
22-Jun-06	8260	**12**	-	12
21-Jun-07	8260	< 10	-	0
26-Jun-08	8260	< 5	-	0
22-Jun-09	8260	< 5	-	0
01-Jul-10	8260	< 5	-	0
27-Jun-11	8260	< 5	-	0
01-Nov-12	8260	< 5	-	0
12-Jun-13	8260	< 1	-	0
29-May-14	8260	< 1	-	0
30-Jun-15	8260	< 1	-	0
11-Apr-16	8260	< 1	-	0
21-Jun-17	8260	< 1	-	0
10-Jul-18	8260	< 1	-	0
31-May-19	8260	< 1	0.32 BJ	0.32
16-Jun-20	8260	< 1	< 1	0
25-May-21	8260	< 1	< 1	0
21-Jun-22	8260	< 1	< 1	0

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS					
SOIL/ BEDROCK INTERFACE	TEMP. (deg. F)	Eh (mV)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-107**											
03-Jun-04	51	27	6.7	471	**11.2**	-	-	-	-	-	-
20-Jun-05	55	71	**6.3**	501	8.1	-	-	-	-	-	-
22-Jun-06	55	81	**6.2**	359	3.9	-	-	-	-	-	-
21-Jun-07	51	23	6.6	328	4.1	-	-	-	-	-	-
26-Jun-08	54	9	6.5	593	4.0	-	-	-	-	-	-
22-Jun-09	56	20	6.5	504	**5.9**	-	-	-	-	-	-
01-Jul-10	52	-29	7.1	427	3.3	-	-	-	-	-	-
27-Jun-11	52	25	6.3	624	**24.0**	-	-	-	-	-	-
01-Nov-12	51	-20	7.4	500	**13.6**	-	-	-	-	-	-
12-Jun-13	55	-10	6.7	600	**38.0**	-	-	-	-	-	-
29-May-14	48	-54	6.8	550	**62.2**	-	-	-	-	-	-
30-Jun-15	52	-42	6.7	560	**8.5**	-	-	-	-	-	-
11-Apr-16	48	-27	6.8	560	**49.4**	-	-	-	-	-	-
21-Jun-17	56	-	6.7	550	**8.1**	-	-	-	-	-	-
10-Jul-18	55	62	**6.2**	564	**11.2**	-	-	-	-	-	-
31-May-19	50	58	6.7	477	**6.9**	-	-	-	-	-	-
16-Jun-20	48	47	6.7	511	**9.3**	-	-	-	-	-	-
25-May-21	47	179	6.7	458	**16.2**	-	-	-	-	-	-
21-Jun-22	51	134	6.9	542	**8.1**	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

SOIL/ BEDROCK INTERFACE	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-107**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	< 0.010
20-Jun-05	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-06	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-07	-	-	-	-	-	-	-	-	-	-	< 0.010
26-Jun-08	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-09	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Jul-10	-	-	-	-	-	-	-	-	-	-	< 0.010
27-Jun-11	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Nov-12	-	-	-	-	-	-	-	-	-	-	< 0.010
12-Jun-13	-	-	-	-	-	-	-	-	-	-	< 0.010
29-May-14	-	-	-	-	-	-	-	-	-	-	< 0.010
30-Jun-15	-	-	-	-	-	-	-	-	-	-	< 0.010
11-Apr-16	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-17	-	-	-	-	-	-	-	-	-	-	< 0.010
10-Jul-18	-	< 0.20	-	-	-	-	-	-	-	-	< 0.010
31-May-19	-	0.03	-	-	-	-	-	-	-	-	< 0.010
16-Jun-20	-	< 0.20	-	-	-	-	-	-	-	-	< 0.005
25-May-21	-	< 0.20	-	-	-	-	-	-	-	-	< 0.010
21-Jun-22	-	< 0.20	-	-	-	-	-	-	-	-	< 0.005

STEUBEN COUNTY
PRATTSBURGH LANDFILL
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TOTAL METALS

SOIL/ BEDROCK INTERFACE	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	[0.003]	0.005	-	0.05	-	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-107**											
03-Jun-04	0.14	< 0.022	0.024	0.969	< 0.003	< 0.005	-	0.011	< 0.02	0.014	**5.2**
20-Jun-05	0.23	< 0.015	**0.039**	**1.100**	< 0.003	< 0.005	-	0.009	< 0.02	0.018	**6.6**
22-Jun-06	< 0.10	< 0.015	**0.037**	0.850	< 0.003	< 0.005	-	< 0.005	< 0.02	< 0.010	**4.6**
21-Jun-07	< 0.10	< 0.015	**0.040**	0.941	< 0.003	< 0.005	-	< 0.005	< 0.02	< 0.010	**6.2**
26-Jun-08	< 0.10	< 0.015	**0.040**	0.939	< 0.003	< 0.005	-	< 0.005	< 0.02	0.013	**6.5**
22-Jun-09	0.11	< 0.030	**0.045**	**1.090**	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	**7.3**
01-Jul-10	< 0.10	< 0.005	0.019	0.810	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	**6.5**
27-Jun-11	< 0.10	< 0.005	0.006	0.721	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	**5.2**
01-Nov-12	< 0.10	< 0.005	< 0.005	0.190	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	0.1
12-Jun-13	0.62	< 0.020	**0.059**	0.670	< 0.002	< 0.001	-	0.007	0.01	< 0.010	**5.2**
29-May-14	4.00	< 0.020	**0.067**	0.600	< 0.002	< 0.002	-	0.018	0.024	< 0.010	**21.0**
30-Jun-15	0.43	< 0.020	**0.048**	0.630	< 0.002	< 0.002	-	0.005	0.005	< 0.010	**5.9**
11-Apr-16	0.39	< 0.020	**0.052**	0.640	< 0.002	< 0.002	-	0.005	0.004	< 0.010	**4.1**
21-Jun-17	0.57	< 0.020	**0.059**	0.650	< 0.002	< 0.002	-	0.006	0.005	< 0.010	**5.0**
10-Jul-18	0.62	< 0.060	**0.037**	0.806	< 0.003	< 0.005	70.20	< 0.010	< 0.050	< 0.020	**3.7**
31-May-19	0.07	< 0.060	**0.029**	0.696	< 0.003	< 0.005	67.30	< 0.010	0.005	< 0.020	**1.8**
16-Jun-20	< 0.10	< 0.060	**0.030**	0.697	< 0.003	< 0.005	65.70	< 0.010	< 0.050	< 0.020	**2.0**
25-May-21	0.12	< 0.060	**0.028**	0.529	< 0.003	< 0.005	59.70	< 0.010	< 0.050	< 0.020	**1.9**
21-Jun-22	< 0.10	< 0.060	0.016	0.768	< 0.003	< 0.005	70.60	< 0.010	< 0.05	< 0.020	**0.8**

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.0007	0.1	-	20	0.01	0.05	[0.0005]	-	[2.0]
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-107**												
03-Jun-04	0.004	27.2	**8.55**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.02
20-Jun-05	< 0.003	28.6	**9.03**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.05
22-Jun-06	< 0.003	22.1	**7.77**	< 0.0002	< 0.03	-	-	**0.017**	< 0.010	< 0.0100	< 0.03	0.02
21-Jun-07	< 0.003	24.6	**8.97**	< 0.0002	< 0.03	-	-	**0.013**	< 0.010	< 0.0100	< 0.03	0.01
26-Jun-08	< 0.003	24.7	**7.89**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.04
22-Jun-09	< 0.003	25.5	**8.62**	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.03
01-Jul-10	< 0.003	21.6	**7.81**	< 0.0002	< 0.03	-	-	0.004	< 0.010	< 0.0030	< 0.03	< 0.01
27-Jun-11	< 0.003	22.1	**7.60**	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	< 0.01
01-Nov-12	< 0.003	8.9	< 0.01	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	< 0.01
12-Jun-13	< 0.005	22.5	**6.70**	< 0.0002	0.01	-	-	< 0.015	< 0.003	< 0.0200	< 0.01	0.02
29-May-14	< 0.010	17.7	**5.90**	< 0.0002	0.02	-	-	< 0.025	< 0.006	< 0.0200	0.01	0.06
30-Jun-15	< 0.010	18.7	**6.90**	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.04
11-Apr-16	< 0.010	19.2	**6.70**	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.04
21-Jun-17	< 0.010	17.2	**6.60**	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.03
10-Jul-18	< 0.050	20.2	**7.26**	< 0.0002	< 0.04	5	11	< 0.010	< 0.010	< 0.0100	< 0.05	0.03
31-May-19	< 0.050	18.4	**6.32**	< 0.0002	< 0.04	5	9	< 0.010	< 0.010	< 0.0100	< 0.05	0.01
16-Jun-20	< 0.050	18.2	**6.26**	< 0.0002	< 0.04	5	10	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
25-May-21	< 0.050	15.6	**5.19**	< 0.0002	< 0.04	4	7	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
21-Jun-22	< 0.050	19.5	**6.02**	< 0.0002	< 0.04	4	10	< 0.010	< 0.010	< 0.0100	< 0.05	0.02

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

SOIL/ BEDROCK INTERFACE		cis-1,2-Dichloro-ethene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	1,4-Dichloro-benzene (ug/l)	4-Methyl-2-pentanone (ug/l)	Acetone (ug/l)	Benzene (ug/l)	Chloro-benzene (ug/l)	Chloro-ethane (ug/l)	m,p-Xylenes (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	5	5	3	-	[50]	1	5	-	-	
TRIGGER VALUES		-	-	-	-	-	-	-	-	-	-	
Monitoring Wells												
B-107	ANALYSIS METHOD											
03-Jun-04	8260	< 10	< 10	-	-	-	-	-	-	-	-	0
20-Jun-05	8260	< 10	< 10	-	-	-	-	-	-	-	-	0
22-Jun-06	8260	1 J	**9 J**	-	-	-	-	-	-	-	-	10
21-Jun-07	8260	< 10	< 10	-	-	-	-	-	-	-	-	0
26-Jun-08	8260	< 5	< 5	-	-	-	-	-	-	-	-	0
22-Jun-09	8260	< 5	< 5	2 J	-	-	-	-	-	-	-	2
01-Jul-10	8260	< 5	< 5	< 5	-	-	-	-	-	-	-	0
27-Jun-11	8260	< 5	< 5	< 5	-	-	-	-	-	-	-	0
01-Nov-12	8260	< 5	< 5	< 5	-	-	-	-	-	-	-	0
12-Jun-13	8260	< 2	< 2	< 2	-	-	-	-	-	-	-	0
29-May-14	8260	1	< 1	< 1	-	-	-	-	-	-	-	1
30-Jun-15	8260	< 1	< 1	< 1	-	-	-	-	-	-	-	0
11-Apr-16	8260	< 1	< 1	< 1	-	-	-	-	-	-	-	0
21-Jun-17	8260	< 1	< 1	< 1	-	-	-	-	-	-	-	0
10-Jul-18	8260	0.94 J	< 1	0.83 J	0.37 J	0.56 J	3.9 J	**1.1**	0.57 J	1.8	0.35 J	10.42
31-May-19	8260	0.27 J	< 1	< 1	0.25 BJ	< 5	< 5	0.38 J	0.21 J	< 1	< 2	1.11
16-Jun-20	8260	< 10.00	< 10	< 1	0.27 J	< 5	< 5	0.39 J	0.23 J	< 1	< 2	0.89
25-May-21	8260	< 1.00	< 1	< 1	< 1	< 5	< 5	0.21 J	< 1	< 1	< 2	0.21
21-Jun-22	8260	0.45 J	< 1	< 1	0.29 J	0.44 J	< 5	0.52 J	0.31 J	0.54 J	< 2	2.55

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

SOIL/ BEDROCK INTERFACE	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. F)	Eh (mV)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-108**											
03-Jun-04	55	44	**6.4**	96	**538.0**	-	-	-	-	-	-
20-Jun-05	56	117	**5.4**	107	**741.0**	-	-	-	-	-	-
22-Jun-06	59	117	**5.6**	80	**7460.0**	-	-	-	-	-	-
21-Jun-07	52	80	**5.6**	56	**702.0**	-	-	-	-	-	-
26-Jun-08	56	13	**6.4**	163	**144.0**	-	-	-	-	-	-
22-Jun-09	60	36	**6.2**	61	**191.0**	-	-	-	-	-	-
01-Jul-10	55	-3	6.6	52	**220.0**	-	-	-	-	-	-
27-Jun-11	53	1	6.9	60	**995.0**	-	-	-	-	-	-
01-Nov-12	DRY	-	-	-	-	DRY	-	-	-	-	-
12-Jun-13	51	189	**6.1**	50	**4040.0**	-	-	-	-	-	-
29-May-14	46	51	7.6	50	**> 2000.0**	-	-	-	-	-	-
30-Jun-15	54	119	**6.3**	50	**1280.0**	-	-	-	-	-	-
11-Apr-16	44	45	**6.4**	40	**2179.0**	-	-	-	-	-	-
21-Jun-17	DRY	-	-	-	-	DRY	-	-	-	-	-
10-Jul-18	DRY	-	-	-	-	DRY	-	-	-	-	-
31-May-19	49	187	**6.0**	43	**33.1**	-	-	-	-	-	-
16-Jun-20	DRY	-	-	-	-	DRY	-	-	-	-	-
25-May-21	51	97	**6.0**	42.88	**58**	-	-	-	-	-	-
21-Jun-22	54	159	**6.2**	50.82	**78.7**	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

SOIL/ BEDROCK INTERFACE	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-108**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	-
20-Jun-05	-	-	-	-	-	-	-	-	-	-	-
22-Jun-06	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-07	-	-	-	-	-	-	-	-	-	-	-
26-Jun-08	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-09	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Jul-10	-	-	-	-	-	-	-	-	-	-	< 0.010
27-Jun-11	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Nov-12	DRY	-	-	-	-	-	-	-	-	-	-
12-Jun-13	-	-	-	-	-	-	-	-	-	-	< 0.010
29-May-14	-	-	-	-	-	-	-	-	-	-	< 0.010
30-Jun-15	-	-	-	-	-	-	-	-	-	-	< 0.010
11-Apr-16	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-17	DRY	-	-	-	-	-	-	-	-	-	-
10-Jul-18	DRY	-	-	-	-	-	-	-	-	-	-
31-May-19	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
16-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
25-May-21	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
21-Jun-22	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	[0.003]	0.005	-	0.05	-	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-108**											
03-Jun-04	57.90	**0.018**	**0.033**	0.926	0.003	**0.006**	-	**0.106**	0.03	0.089	**84.2**
20-Jun-05	90.60	< 0.015	**0.046**	**1.080**	**0.004**	**0.019**	-	**0.170**	0.05	0.131	**129.0**
22-Jun-06	72.80	< 0.015	**0.052**	0.846	**0.004**	**0.016**	-	**0.165**	0.04	0.101	**119.0**
21-Jun-07	-	-	-	-	-	-	-	-	-	-	-
26-Jun-08	115.00	< 0.015	**0.067**	**1.300**	**0.007**	**0.017**	-	**0.254**	0.07	0.142	**183.0**
22-Jun-09	55.70	< 0.030	0.022	**1.240**	0.003	**0.100**	-	**0.139**	0.05	0.093	**88.9**
01-Jul-10	45.40	< 0.010	**0.030**	0.524	< 0.003	**0.020**	-	**0.095**	0.02	0.060	**75.6**
27-Jun-11	29.70	< 0.005	0.019	0.341	< 0.003	< 0.005	-	**0.056**	0.02	0.042	**52.1**
01-Nov-12	DRY	-	-	-	-	-	-	-	-	-	-
12-Jun-13	42.50	< 0.020	**0.026**	0.500	< 0.002	0.002	-	**0.095**	0.02	0.055	**62.9**
29-May-14	55.00	< 0.020	**0.028**	0.470	0.002	< 0.002	-	**0.130**	0.03	0.066	**73.5**
30-Jun-15	28.00	< 0.020	0.016	0.300	0.002	0.002	-	**0.059**	0.02	0.036	**38.1**
11-Apr-16	11.00	< 0.020	< 0.015	0.110	< 0.002	< 0.002	-	0.021	0.004	0.010	**12.1**
21-Jun-17	DRY	-	-	-	-	-	-	-	-	-	-
10-Jul-18	DRY	-	-	-	-	-	-	-	-	-	-
31-May-19	3.46	< 0.060	< 0.010	0.062	0.002	0.002	4.9	0.011	0.002	0.004	**4.1**
16-Jun-20	DRY	-	-	-	-	-	-	-	-	-	-
25-May-21	142.00	< 0.060	**0.072**	**1.250**	**0.006**	**0.013**	14.2	**0.271**	0.07	0.158	**219.0**
21-Jun-22	10.8	< 0.06	< 0.010	0.136	< 0.003	< 0.005	6.2	0.033	< 0.05	< 0.02	**11.00**

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (ug/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	7E-04	0.1	-	20	0.01	0.05	[0.0005]	-	[2.0]
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-108**												
03-Jun-04	**0.068**	17.6	**17.60**	< 0.0002	0.11	-	-	< 0.005	< 0.010	< 0.0100	0.07	0.29
20-Jun-05	**0.078**	25.7	**1.61**	< 0.0002	0.17	-	-	< 0.005	< 0.010	< 0.0100	0.12	0.41
22-Jun-06	**0.071**	2.2	**1.58**	0.0003	0.17	-	-	< 0.005	< 0.010	< 0.0100	0.09	0.36
21-Jun-07	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-08	**0.091**	**38.4**	**2.67**	< 2E-04	0.20	-	-	< 0.005	< 0.010	< 0.0100	0.13	0.60
22-Jun-09	**0.088**	18.8	**2.81**	< 0.0002	0.12	-	-	< 0.005	< 0.010	< 0.0100	0.07	0.28
01-Jul-10	**0.066**	14.6	**0.91**	< 0.0002	0.09	-	-	< 0.006	< 0.010	< 0.0060	0.05	0.20
27-Jun-11	0.023	9.4	**0.87**	< 0.0002	0.06	-	-	< 0.003	< 0.010	< 0.0030	0.03	0.15
01-Nov-12	-	-	-	-	-	-	-	-	-	-	-	-
12-Jun-13	**0.028**	12.1	**0.98**	< 0.0002	0.08	-	-	< 0.015	< 0.003	< 0.0200	0.06	0.17
29-May-14	**0.042**	14.0	**0.92**	< 0.0002	0.09	-	-	< 0.025	< 0.006	< 0.0200	0.08	0.22
30-Jun-15	**0.039**	9.1	**0.69**	< 0.0002	0.05	-	-	< 0.025	< 0.006	< 0.0200	0.04	0.11
11-Apr-16	< 0.010	3.5	0.20	< 0.0002	0.01	-	-	< 0.025	< 0.006	< 0.0200	0.02	0.04
21-Jun-17	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul-18	-	-	-	-	-	-	-	-	-	-	-	-
31-May-19	< 0.050	2.5	0.07	< 0.0002	< 0.04	2	1	< 0.010	< 0.010	< 0.0100	0.01	0.04
16-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-
25-May-21	**0.089**	**40**	**2.22**	0.0002	0.13	22	2	< 1.000	< 0.010	< 0.01	0.21	0.54
21-Jun-22	< 0.050	3.9	0.156	< 0.0002	< 0.04	3.6	1.1	< 1	< 0.010	< 0.01	< 0.05	0.05

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

SOIL/ BEDROCK INTERFACE		Toluene (ug/l)	Acetone (ug/l)	2-Butanone (MEK) (ug/l)	Chloromethane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	[50]	5	
TRIGGER VALUES		-	-	-	-	
Monitoring Wells						
B-108	ANALYSIS METHOD					
03-Jun-04	8260	< 10	< 10	-	-	0
20-Jun-05	8260	< 10	< 10	-	-	0
22-Jun-06	8260	**13**	< 10	-	-	13
21-Jun-07	8260	< 10	< 10	-	-	0
26-Jun-08	8260	< 5	< 10	-	-	0
22-Jun-09	8260	< 10	< 10	-	-	0
01-Jul-10	8260	< 10	< 10	-	-	0
27-Jun-11	8260	< 10	**51**	-	-	51
01-Nov-12	DRY	-	-	-	-	-
12-Jun-13	8260	< 1	< 10	-	-	0
29-May-14	8260	< 1	**74**	-	-	74
30-Jun-15	8260	< 1	22	-	-	22
11-Apr-16	8260	< 1	17	-	-	17
21-Jun-17	DRY	-	-	-	-	-
10-Jul-18	DRY	-	-	-	-	-
31-May-19	8260	< 1	**73**	-	-	73
16-Jun-20	DRY	-	-	-	-	-
25-May-21	8260	< 1	17	2.2 J	0.39 J	19.59
21-Jun-22	8260	< 1	**69**	0.98 J	< 1	69.98

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS					
SOIL/ BEDROCK INTERFACE	TEMP. (deg. F)	Eh (mV)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-109**											
03-Jun-04	53	28	6.7	263	**6.5**	-	-	-	-	-	-
20-Jun-05	55	77	**6.1**	234	1.6	-	-	-	-	-	-
22-Jun-06	54	79	**6.3**	215	0.9	-	-	-	-	-	-
21-Jun-07	51	23	6.7	223	0.9	-	-	-	-	-	-
26-Jun-08	53	-12	6.9	307	1.2	-	-	-	-	-	-
22-Jun-09	56	10	6.7	244	0.9	-	-	-	-	-	-
01-Jul-10	52	-32	7.2	259	0.5	-	-	-	-	-	-
27-Jun-11	54	-1	6.9	274	**9.8**	-	-	-	-	-	-
01-Nov-12	51	-26	7.5	253	**10.7**	-	-	-	-	-	-
12-Jun-13	52	149	6.5	270	**38.0**	-	-	-	-	-	-
29-May-14	47	-18	7.2	260	**26.4**	-	-	-	-	-	-
30-Jun-15	53	4	6.8	250	**11.7**	-	-	-	-	-	-
11-Apr-16	47	1	7.3	250	**88.6**	-	-	-	-	-	-
21-Jun-17	54	-	6.9	290	3.3	-	-	-	-	-	-
10-Jul-18	61	165	**6.4**	262	1.4	-	-	-	-	-	-
31-May-19	55	166	6.6	206	0.8	-	-	-	-	-	-
16-Jun-20	49	140	7.2	235	2.6	-	-	-	-	-	-
25-May-21	49	173	**6.5**	351	1.3	-	-	-	-	-	-
21-Jun-22	56	168	7.1	275	3.5	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

SOIL/ BEDROCK INTERFACE	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-109**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	< 0.010
20-Jun-05	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-06	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-07	-	-	-	-	-	-	-	-	-	-	< 0.010
26-Jun-08	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-09	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Jul-10	-	-	-	-	-	-	-	-	-	-	< 0.010
27-Jun-11	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Nov-12	-	-	-	-	-	-	-	-	-	-	< 0.010
12-Jun-13	-	-	-	-	-	-	-	-	-	-	< 0.010
29-May-14	-	-	-	-	-	-	-	-	-	-	< 0.010
30-Jun-15	-	-	-	-	-	-	-	-	-	-	< 0.010
11-Apr-16	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-17	-	-	-	-	-	-	-	-	-	-	< 0.010
10-Jul-18	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
31-May-19	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
16-Jun-20	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005
25-May-21	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
21-Jun-22	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	[0.003]	0.005	-	0.05	-	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-109**											
03-Jun-04	0.27	< 0.015	< 0.010	0.232	< 0.003	< 0.005	-	< 0.005	< 0.020	< 0.010	**0.5**
20-Jun-05	0.14	< 0.015	< 0.010	0.199	< 0.003	< 0.005	-	< 0.005	< 0.020	< 0.010	0.3
22-Jun-06	< 0.10	< 0.015	< 0.010	0.185	< 0.003	< 0.005	-	< 0.005	< 0.020	< 0.010	0.1
21-Jun-07	< 0.10	< 0.015	< 0.010	0.218	< 0.003	< 0.005	-	< 0.005	< 0.020	< 0.010	0.2
26-Jun-08	< 0.10	< 0.015	< 0.010	0.227	< 0.003	< 0.005	-	< 0.005	< 0.020	< 0.010	0.1
22-Jun-09	< 0.10	< 0.030	< 0.010	0.249	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	0.1
01-Jul-10	< 0.10	< 0.005	< 0.005	0.211	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	0.1
27-Jun-11	< 0.10	< 0.005	< 0.005	0.212	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	0.1
01-Nov-12	< 0.10	< 0.005	< 0.005	0.196	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	< 0.1
12-Jun-13	< 0.20	< 0.020	< 0.010	0.200	< 0.002	< 0.001	-	< 0.004	< 0.004	< 0.010	0.2
29-May-14	1.20	< 0.020	< 0.015	0.200	0.002	< 0.002	-	< 0.004	< 0.004	< 0.010	**1.0**
30-Jun-15	1.90	< 0.020	< 0.015	0.230	< 0.002	< 0.002	-	< 0.004	0.006	< 0.010	**1.5**
11-Apr-16	0.54	< 0.020	< 0.015	0.180	< 0.002	< 0.002	-	< 0.004	< 0.004	< 0.010	**0.5**
21-Jun-17	< 0.20	< 0.020	< 0.015	0.170	< 0.002	< 0.002	-	< 0.004	< 0.004	< 0.010	0.1
10-Jul-18	< 0.10	< 0.060	< 0.010	0.179	< 0.003	< 0.005	31.5	< 0.010	< 0.050	< 0.020	< 0.1
31-May-19	< 0.10	< 0.060	< 0.010	0.165	< 0.003	< 0.005	28.2	0.001	< 0.050	< 0.020	< 0.1
16-Jun-20	0.12	< 0.060	< 0.010	0.175	< 0.003	< 0.005	29.6	< 0.010	< 0.050	< 0.020	0.1
25-May-21	< 0.10	< 0.060	< 0.010	0.177	< 0.003	< 0.005	31.2	< 0.010	< 0.050	< 0.020	< 0.1
21-Jun-22	< 0.10	< 0.060	< 0.010	0.185	< 0.003	< 0.005	33.1	< 0.010	< 0.050	< 0.020	0.2

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.0007	0.1	-	20	0.01	0.05	[0.0005]	-	[2.0]
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-109**												
03-Jun-04	< 0.003	9.2	0.02	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.03
20-Jun-05	< 0.003	8.2	< 0.01	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.06
22-Jun-06	< 0.003	7.8	< 0.01	< 0.0002	0.17	-	-	**0.010**	< 0.010	< 0.0100	< 0.03	0.05
21-Jun-07	< 0.003	9.5	< 0.01	< 0.0002	< 0.03	-	-	0.006	< 0.010	< 0.0100	< 0.03	0.03
26-Jun-08	< 0.003	10.5	< 0.01	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.04
22-Jun-09	< 0.003	11.0	< 0.01	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	< 0.01
01-Jul-10	< 0.003	8.9	< 0.01	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	< 0.01
27-Jun-11	< 0.003	8.4	0.01	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	0.01
01-Nov-12	< 0.003	9.0	< 0.01	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	< 0.01
12-Jun-13	< 0.005	8.8	0.01	< 0.0002	< 0.01	-	-	< 0.015	< 0.003	< 0.0200	< 0.01	< 0.01
29-May-14	< 0.010	7.7	0.05	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.01
30-Jun-15	< 0.010	8.1	0.11	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.02
11-Apr-16	< 0.010	7.3	0.03	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	< 0.01
21-Jun-17	< 0.010	8.1	0.01	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.02
10-Jul-18	< 0.050	8.7	< 0.01	< 0.0002	< 0.04	< 2	7	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
31-May-19	< 0.050	7.1	< 0.01	< 0.0002	< 0.04	1	5	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
16-Jun-20	< 0.050	7.3	< 0.01	< 0.0002	< 0.04	< 2	5	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
25-May-21	< 0.050	7.5	< 0.01	< 0.0002	< 0.04	< 2	5	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
21-Jun-22	< 0.050	8.5	0.01	< 0.0002	< 0.04	< 2	7	< 0.010	< 0.010	< 0.0100	< 0.05	0.02

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

SOIL/ BEDROCK INTERFACE		Toluene (ug/l)	Acetone (ug/l)	4-Methyl-2-pentanone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	-	
TRIGGER VALUES		-	-	-	
Monitoring Wells					
B-109	ANALYSIS METHOD				
03-Jun-04	8260	< 10	-	-	0
20-Jun-05	8260	< 10	-	-	0
22-Jun-06	8260	5	-	-	5
21-Jun-07	8260	< 10	-	-	0
26-Jun-08	8260	< 5	-	-	0
22-Jun-09	8260	< 5	-	-	0
01-Jul-10	8260	< 5	-	-	0
27-Jun-11	8260	< 5	-	-	0
01-Nov-12	8260	< 5	-	-	0
12-Jun-13	8260	< 1	-	-	0
29-May-14	8260	< 1	-	-	0
30-Jun-15	8260	< 1	-	-	0
11-Apr-16	8260	< 1	-	-	0
21-Jun-17	8260	< 1	-	-	0
10-Jul-18	8260	< 1	-	-	0
31-May-19	8260	< 1	2.2 J	-	2.2
16-Jun-20	8260	< 5	< 5	0.28 J	0.28
25-May-21	8260	< 1	< 5	< 5	0
21-Jun-22	8260	< 1	< 5	< 5	0

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS					
SOIL/ BEDROCK INTERFACE	TEMP. (deg. F)	Eh (mV)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-110**											
03-Jun-04	55	17	6.9	213	2.4	-	-	-	-	-	-
20-Jun-05	57	64	**6.4**	239	2.6	-	-	-	-	-	-
22-Jun-06	60	76	**6.3**	257	0.9	-	-	-	-	-	-
21-Jun-07	55	5	7.0	184	1.6	-	-	-	-	-	-
26-Jun-08	58	-28	7.2	273	1.4	-	-	-	-	-	-
22-Jun-09	62	4	6.8	253	0.4	-	-	-	-	-	-
01-Jul-10	56	-40	7.4	215	1.2	-	-	-	-	-	-
27-Jun-11	59	5	6.7	250	**8.8**	-	-	-	-	-	-
01-Nov-12	51	-34	7.7	256	**13.8**	-	-	-	-	-	-
12-Jun-13	55	158	6.8	220	**6.5**	-	-	-	-	-	-
29-May-14	47	21	7.3	280	**22.9**	-	-	-	-	-	-
30-Jun-15	54	82	6.6	260	4.9	-	-	-	-	-	-
11-Apr-16	46	16	7.5	230	**18.8**	-	-	-	-	-	-
21-Jun-17	57	-	6.9	280	4.1	-	-	-	-	-	-
10-Jul-18	59	128	**6.4**	331	1.1	-	-	-	-	-	-
31-May-19	57	194	6.6	215	1.3	-	-	-	-	-	-
16-Jun-20	54	139	7.4	276	2.5	-	-	-	-	-	-
25-May-21	51	154	6.6	278	2.0	-	-	-	-	-	-
21-Jun-22	61	159	6.9	283	2.8	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

SOIL/ BEDROCK INTERFACE	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-110**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	< 0.010
20-Jun-05	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-06	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-07	-	-	-	-	-	-	-	-	-	-	< 0.010
26-Jun-08	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-09	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Jul-10	-	-	-	-	-	-	-	-	-	-	< 0.010
27-Jun-11	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Nov-12	-	-	-	-	-	-	-	-	-	-	< 0.010
12-Jun-13	-	-	-	-	-	-	-	-	-	-	< 0.010
29-May-14	-	-	-	-	-	-	-	-	-	-	< 0.010
30-Jun-15	-	-	-	-	-	-	-	-	-	-	< 0.010
11-Apr-16	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-17	-	-	-	-	-	-	-	-	-	-	< 0.010
10-Jul-18	-	< 0.20	-	-	-	-	-	-	-	-	< 0.010
31-May-19	-	0.02	-	-	-	-	-	-	-	-	< 0.010
16-Jun-20	-	< 0.02	-	-	-	-	-	-	-	-	< 0.005
25-May-21	-	< 0.20	-	-	-	-	-	-	-	-	< 0.010
21-Jun-22	-	< 0.20	-	-	-	-	-	-	-	-	< 0.005

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	[0.003]	0.005	-	0.05	-	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-110**											
03-Jun-04	0.13	< 0.015	< 0.010	0.119	< 0.003	< 0.005	-	< 0.005	< 0.020	< 0.010	0.3
20-Jun-05	< 0.10	< 0.015	< 0.010	0.232	< 0.003	< 0.005	-	< 0.005	< 0.020	< 0.010	0.2
22-Jun-06	0.70	< 0.015	< 0.010	0.122	< 0.003	< 0.005	-	< 0.005	< 0.020	< 0.010	**1.3**
21-Jun-07	< 0.10	< 0.015	< 0.010	0.103	< 0.003	< 0.005	-	< 0.005	< 0.020	< 0.010	0.1
26-Jun-08	0.33	< 0.015	< 0.010	0.139	< 0.003	< 0.005	-	< 0.005	< 0.020	0.010	**2.1**
22-Jun-09	0.98	< 0.030	< 0.010	0.156	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	**1.5**
01-Jul-10	< 0.10	< 0.005	< 0.005	0.129	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	< 0.1
27-Jun-11	< 0.10	< 0.005	< 0.005	0.108	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	< 0.1
01-Nov-12	< 0.10	< 0.005	< 0.005	0.188	< 0.003	< 0.005	-	< 0.010	< 0.020	< 0.010	0.1
12-Jun-13	0.39	< 0.020	< 0.010	0.100	< 0.002	< 0.001	-	< 0.004	< 0.004	< 0.010	**0.3**
29-May-14	0.60	< 0.020	< 0.015	0.120	< 0.002	< 0.002	-	< 0.004	< 0.004	< 0.010	**0.5**
30-Jun-15	0.27	< 0.020	< 0.015	0.120	< 0.002	< 0.002	-	< 0.004	< 0.004	< 0.010	0.2
11-Apr-16	1.10	< 0.020	< 0.015	0.100	< 0.002	< 0.002	-	< 0.004	< 0.004	< 0.010	**1.0**
21-Jun-17	< 0.20	< 0.020	< 0.015	0.110	< 0.002	< 0.002	-	< 0.004	< 0.004	< 0.010	0.1
10-Jul-18	< 0.10	< 0.060	< 0.010	0.145	< 0.003	< 0.005	37.1	< 0.010	< 0.050	< 0.020	< 0.1
31-May-19	0.08	< 0.060	< 0.010	0.110	< 0.003	< 0.005	28.6	0.001	< 0.050	< 0.020	0.1
16-Jun-20	0.28	< 0.060	< 0.010	0.134	< 0.003	< 0.005	34.5	< 0.010	< 0.050	0.020	0.3
25-May-21	< 1.00	< 0.060	< 0.010	0.125	< 0.003	< 0.005	34.2	< 0.010	< 0.050	< 0.020	< 0.1
21-Jun-22	< 1.00	< 0.060	< 0.010	0.137	< 0.003	< 0.005	33.5	< 0.010	< 0.050	< 0.020	< 0.0

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.0007	0.1	-	20	0.01	0.05	[0.0005]	-	[2.0]
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-110**												
03-Jun-04	0.003	8	0.00	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.03
20-Jun-05	< 0.003	9	< 0.01	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.06
22-Jun-06	0.005	8	0.02	< 0.0002	< 0.03	-	-	0.008	< 0.010	< 0.0100	< 0.03	0.03
21-Jun-07	< 0.003	9	< 0.01	< 0.0002	< 0.03	-	-	0.006	< 0.010	< 0.0100	< 0.03	0.02
26-Jun-08	< 0.003	10	0.01	< 0.0002	< 0.03	-	-	< 0.005	0.012	< 0.0100	< 0.03	0.06
22-Jun-09	< 0.003	10	0.02	< 0.0002	< 0.03	-	-	< 0.005	< 0.010	< 0.0100	< 0.03	0.04
01-Jul-10	< 0.003	8	< 0.01	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	< 0.01
27-Jun-11	< 0.003	8	< 0.01	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	0.09
01-Nov-12	< 0.003	9	< 0.01	< 0.0002	< 0.03	-	-	< 0.003	< 0.010	< 0.0030	< 0.03	0.01
12-Jun-13	< 0.005	7	0.01	< 0.0002	< 0.01	-	-	< 0.015	< 0.003	< 0.0200	< 0.01	0.01
29-May-14	< 0.010	8	0.03	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	< 0.01
30-Jun-15	< 0.010	8	0.01	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.02
11-Apr-16	< 0.010	7	0.04	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.03
21-Jun-17	< 0.010	7	0.01	< 0.0002	< 0.01	-	-	< 0.025	< 0.006	< 0.0200	< 0.01	0.01
10-Jul-18	< 0.050	10	< 0.01	< 0.0002	< 0.04	2	8	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
31-May-19	< 0.050	7	0.00	< 0.0002	< 0.04	2	4	< 0.010	< 0.010	< 0.0100	< 0.05	0.07
16-Jun-20	< 0.050	9	< 0.01	< 0.0002	< 0.04	< 2	4	< 0.010	< 0.010	< 0.0100	< 0.05	< 0.02
25-May-21	< 0.050	8	< 0.01	< 0.0002	< 0.04	< 2	4	< 0.010	< 0.010	< 0.0100	< 0.05	0.05
21-Jun-22	< 0.050	8	< 0.01	< 0.0002	< 0.04	< 2	4	< 0.010	< 0.010	< 0.0100	< 0.05	0.02

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

SOIL/ BEDROCK INTERFACE		Toluene (ug/l)	Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	
TRIGGER VALUES		-	-	
Monitoring Wells				
B-110	ANALYSIS METHOD			
03-Jun-04	8260	< 10	-	0
20-Jun-05	8260	< 10	-	0
22-Jun-06	8260	**7 J**	-	7
21-Jun-07	8260	< 10	-	0
26-Jun-08	8260	< 5	-	0
22-Jun-09	8260	< 5	-	0
01-Jul-10	8260	< 5	-	0
27-Jun-11	8260	< 5	-	0
01-Nov-12	8260	< 5	-	0
12-Jun-13	8260	< 1	-	0
29-May-14	8260	< 1	-	0
30-Jun-15	8260	< 1	-	0
11-Apr-16	8260	< 1	-	0
21-Jun-17	8260	< 1	-	0
10-Jul-18	8260	< 1	-	0
31-May-19	8260	< 1	3.1 J	3.1
16-Jun-20	8260	< 1	< 5	0
25-May-21	8260	< 1	< 5	0
21-Jun-22	8260	< 1	< 5	0

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

	FIELD PARAMETERS					INORGANIC PARAMETERS					
SOIL/ BEDROCK INTERFACE	TEMP. (deg. F)	Eh (mV)	pH (Std Units)	SP. COND. (uS/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/l CaCO3)	HARD. (mg/l CaCO3)	TDS (mg/l)	Cl (mg/l)	SO4 (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-111**											
03-Jun-04	53	24	6.8	173	**26.2**	-	-	-	-	-	-
20-Jun-05	56	78	**6.1**	214	2.2	-	-	-	-	-	-
22-Jun-06	59	87	**6.1**	173	**5.5**	-	-	-	-	-	-
21-Jun-07	55	27	6.6	162	**5.8**	-	-	-	-	-	-
26-Jun-08	58	-5	6.8	704	**12.3**	-	-	-	-	-	-
22-Jun-09	63	5	7.1	222	**8.8**	-	-	-	-	-	-
01-Jul-10	53	-33	7.2	158	3.4	-	-	-	-	-	-
27-Jun-11	56	2	6.7	190	**11.4**	-	-	-	-	-	-
01-Nov-12	51	-8	7.2	282	**15.2**	-	-	-	-	-	-
12-Jun-13	DRY	-	-	-	-	DRY	-	-	-	-	-
29-May-14	DRY	-	-	-	-	DRY	-	-	-	-	-
30-Jun-15	DRY	-	-	-	-	DRY	-	-	-	-	-
11-Apr-16	46	13	7.1	210	**29.3**	-	-	-	-	-	-
21-Jun-17	51	-	6.8	240	**> 2000.0**	-	-	-	-	-	-
10-Jul-18	54	189	**6.4**	214	2.2	-	-	-	-	-	-
31-May-19	50	222	6.6	181	4.8	-	-	-	-	-	-
16-Jun-20	49	176	6.7	173	1.3	-	-	-	-	-	-
25-May-21	49	169	6.6	202	3.7	-	-	-	-	-	-
21-Jun-22	51	171	6.9	243	3.3	-	-	-	-	-	-

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

INORGANIC PARAMETERS

SOIL/ BEDROCK INTERFACE	Br (mg/l)	BORON (mg/l)	Cr+6 (mg/l)	NO3-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	COD (mg/l)	BOD-5 (mg/l)	TOC (mg/l)	TOTAL PHENOLS (mg/l)	TOTAL CYANIDE (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-111**											
03-Jun-04	-	-	-	-	-	-	-	-	-	-	< 0.010
20-Jun-05	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-06	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-07	-	-	-	-	-	-	-	-	-	-	< 0.010
26-Jun-08	-	-	-	-	-	-	-	-	-	-	< 0.010
22-Jun-09	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Jul-10	-	-	-	-	-	-	-	-	-	-	< 0.010
27-Jun-11	-	-	-	-	-	-	-	-	-	-	< 0.010
01-Nov-12	-	-	-	-	-	-	-	-	-	-	< 0.010
12-Jun-13	-	-	-	-	-	-	-	-	-	-	-
29-May-14	-	-	-	-	-	-	-	-	-	-	-
30-Jun-15	-	-	-	-	-	-	-	-	-	-	-
11-Apr-16	-	-	-	-	-	-	-	-	-	-	< 0.010
21-Jun-17	-	-	-	-	-	-	-	-	-	-	< 0.010
10-Jul-18	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
31-May-19	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
16-Jun-20	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005
25-May-21	-	< 0.2	-	-	-	-	-	-	-	-	< 0.010
21-Jun-22	-	< 0.2	-	-	-	-	-	-	-	-	< 0.005

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	-	0.003	0.025	1	[0.003]	0.005	-	0.05	-	0.2	0.3
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-111**											
03-Jun-04	0.49	< 0.015	< 0.010	0.215	< 0.003	< 0.005	-	< 0.005	< 0.02	< 0.010	**1.0**
20-Jun-05	0.22	< 0.015	< 0.010	0.111	< 0.003	< 0.005	-	< 0.005	< 0.02	< 0.010	**0.4**
22-Jun-06	< 0.10	< 0.015	0.012	0.190	< 0.003	< 0.005	-	< 0.005	< 0.02	< 0.010	**1.3**
21-Jun-07	0.11	< 0.015	< 0.010	0.206	< 0.003	< 0.005	-	< 0.005	< 0.02	< 0.010	**0.7**
26-Jun-08	0.81	< 0.015	0.012	0.238	< 0.003	< 0.005	-	< 0.005	< 0.02	< 0.010	**2.9**
22-Jun-09	0.15	< 0.030	< 0.010	0.247	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	**0.4**
01-Jul-10	< 0.10	< 0.005	< 0.005	0.218	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	0.2
27-Jun-11	0.53	< 0.005	< 0.005	0.361	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	**1.9**
01-Nov-12	< 0.10	< 0.005	< 0.005	0.185	< 0.003	< 0.005	-	< 0.010	< 0.02	< 0.010	0.1
12-Jun-13	DRY	-	-	-	-	-	-	-	-	-	-
29-May-14	DRY	-	-	-	-	-	-	-	-	-	-
30-Jun-15	DRY	-	-	-	-	-	-	-	-	-	-
11-Apr-16	2.20	< 0.020	< 0.015	0.590	< 0.002	< 0.002	-	< 0.004	0.01	< 0.010	**2.5**
21-Jun-17	5.50	< 0.020	0.016	**1.700**	< 0.002	< 0.002	-	0.008	0.03	< 0.010	**8.0**
10-Jul-18	0.13	< 0.060	< 0.010	0.372	< 0.003	< 0.005	32.6	< 0.010	< 0.05	< 0.020	**0.3**
31-May-19	0.32	< 0.060	< 0.010	0.174	< 0.003	< 0.005	26.3	0.001	0.00	< 0.020	**0.4**
16-Jun-20	< 0.10	< 0.060	< 0.010	0.162	< 0.003	< 0.005	23.9	< 0.010	< 0.05	< 0.020	< 0.1
25-May-21	0.32	< 0.060	< 0.010	0.630	< 0.003	< 0.005	37.0	< 0.010	< 0.05	< 0.020	**1.5**
21-Jun-22	< 0.01	< 0.060	< 0.010	0.219	< 0.003	< 0.005	35.3	< 0.010	< 0.05	< 0.020	0.1

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

TOTAL METALS

SOIL/ BEDROCK INTERFACE	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.0007	0.1	-	20	0.01	0.05	[0.0005]	-	[2.0]
TRIGGER VALUES	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Wells **B-111**												
03-Jun-04	0.003	6.7	**1.07**	< 0.0002	< 0.03	-	-	< 0.005	< 0.01	< 0.0100	< 0.03	0.02
20-Jun-05	< 0.003	8.9	< 0.01	< 0.0002	< 0.03	-	-	< 0.005	< 0.01	< 0.0100	< 0.03	0.03
22-Jun-06	< 0.003	6.2	**1.73**	< 0.0002	< 0.03	-	-	< 0.005	< 0.01	< 0.0100	< 0.03	0.04
21-Jun-07	< 0.003	7.9	**1.72**	< 0.0002	< 0.03	-	-	0.008	< 0.01	< 0.0100	< 0.03	0.15
26-Jun-08	0.007	8.6	**1.59**	< 0.0002	< 0.03	-	-	< 0.005	< 0.01	< 0.0100	< 0.03	0.08
22-Jun-09	< 0.003	8.8	**1.95**	< 0.0002	< 0.03	-	-	< 0.005	< 0.01	< 0.0100	< 0.03	< 0.01
01-Jul-10	< 0.003	6.6	**1.56**	< 0.0002	< 0.03	-	-	< 0.003	< 0.01	< 0.0030	< 0.03	< 0.01
27-Jun-11	0.004	6.4	**5.89**	< 0.0002	< 0.03	-	-	< 0.003	< 0.01	< 0.0030	< 0.03	0.03
01-Nov-12	< 0.003	8.6	< 0.01	< 0.0002	< 0.03	-	-	< 0.003	< 0.01	< 0.0030	< 0.03	< 0.01
12-Jun-13	DRY	-	-	-	-	-	-	-	-	-	-	-
29-May-14	DRY	-	-	-	-	-	-	-	-	-	-	-
30-Jun-15	DRY	-	-	-	-	-	-	-	-	-	-	-
11-Apr-16	< 0.010	7.5	**9.60**	< 0.0002	< 0.01	-	-	< 0.025	< 0.01	< 0.0200	< 0.01	0.02
21-Jun-17	0.013	8.2	**32.10**	< 0.0002	0.02	-	-	< 0.025	< 0.01	< 0.0200	0.01	0.06
10-Jul-18	< 0.050	8.2	**5.74**	< 0.0002	< 0.04	< 2	4	< 0.010	< 0.01	< 0.0100	< 0.05	< 0.02
31-May-19	< 0.050	6.9	**1.17**	< 0.0002	< 0.04	1	3	< 0.010	< 0.01	< 0.0100	< 0.05	< 0.02
16-Jun-20	< 0.050	6.0	**1.03**	< 0.0002	< 0.04	< 2	3	< 0.010	< 0.01	< 0.0100	< 0.05	< 0.02
25-May-21	< 0.050	7.1	**8.32**	< 0.0002	< 0.04	< 2	3	< 0.010	< 0.01	< 0.0100	< 0.05	0.02
21-Jun-22	< 0.050	9.1	**1.68**	< 0.0002	< 0.04	< 2	4	< 0.010	< 0.01	< 0.0100	< 0.05	< 0.02

STEUBEN COUNTY
PRATTSBURGH LANDFILL
GROUNDWATER QUALITY DATA

ORGANIC PARAMETERS (DETECTED)

SOIL/ BEDROCK INTERFACE		Toluene (ug/l)	Acetone (ug/l)	2-Butanone (MEK) (ug/l)	Chloromethane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	50	-	-	
TRIGGER VALUES		-	-	-		
Monitoring Wells						
B-111	ANALYSIS METHOD					
03-Jun-04	8260	< 10	< 10		-	0
20-Jun-05	8260	< 10	< 10		-	0
22-Jun-06	8260	**10**	< 10		-	10
21-Jun-07	8260	< 10	< 10		-	0
26-Jun-08	8260	< 5	< 10		-	0
22-Jun-09	8260	**11**	< 10		-	11
01-Jul-10	8260	< 5	< 10		-	0
27-Jun-11	8260	< 5	17		-	17
01-Nov-12	8260	< 5	< 10		-	0
12-Jun-13	DRY	-	-		-	-
29-May-14	DRY	-	-		-	-
30-Jun-15	DRY	-	-		-	-
11-Apr-16	8260	< 1	< 10		-	0
21-Jun-17	8260	< 1	< 10		-	0
10-Jul-18	8260	< 1	2.1 J		-	2.1
31-May-19	8260	< 1	5 J		-	5
16-Jun-20	8260	< 1	< 5	1.1 J	-	1.1
25-May-21	8260	< 1	11	1.6 J	0.30 J	12.9
21-Jun-22	8260	< 1	8.8	1.8 J	< 1	10.6

Appendix D

STEUBEN COUNTY - PRATTSBURGH LANDFILL
GROUNDWATER ELEVATION DATA

MONITORING UNIT	OVERBURDEN UNIT					
MONITORING LOCATION	**OWB-101**		**OWB-102**		**OWB-103**	
TOP OF PVC PIPE ELEVATION	499.46		486.97		495.92	
DATE	water level	elevation	water level	elevation	water level	elevation
6/3/2004	30.24	469.22	14.00	472.97	21.30	474.62
6/20/2005	31.46	468.00	18.27	468.70	10.89	485.03
6/22/2006	31.46	468.00	16.11	470.86	8.80	487.12
6/21/2007	31.46	468.00	18.90	468.07	11.80	484.12
6/26/2008	31.46	468.00	15.45	471.52	6.29	489.63
9/16/2008	DRY	-	17.46	469.51	8.50	487.42
12/16/2008	DRY	-	14.22	472.75	5.11	490.81
3/17/2009	DRY	-	14.87	472.10	5.19	490.73
6/22/2009	DRY	-	16.32	470.65	6.08	489.84
9/28/2009	DRY	-	20.62	466.35	13.16	482.76
12/22/2009	DRY	-	15.62	471.35	7.98	487.94
7/1/2010	DRY	-	16.11	470.86	9.18	486.74
6/27/2011	DRY	-	16.95	470.02	10.36	485.56
11/1/2012	DRY	-	19.62	467.35	15.97	479.95
6/12/2013	DRY	-	15.68	471.29	7.02	488.90
5/29/2014	DRY	-	15.52	471.45	6.22	489.70
6/30/2015	DRY	-	14.56	472.41	4.99	490.93
4/11/2016	DRY	-	14.64	472.33	5.13	490.79
6/21/2017	DRY	-	17.79	469.18	10.40	485.52
7/10/2018	DRY	-	18.46	468.51	10.62	485.30
5/31/2019	DRY	-	14.25	472.72	4.03	491.89
6/15/2020	DRY	-	17.03	469.94	9.40	486.52
5/25/2021	DRY	-	16.28	470.69	7.74	488.18
6/20/2022	DRY	-	17.38	469.59	8.90	487.02

STEUBEN COUNTY - PRATTSBURGH LANDFILL
GROUNDWATER ELEVATION DATA

MONITORING UNIT	OVERBURDEN UNIT		BEDROCK UNIT			
MONITORING LOCATION	**OWB-104**		**B-105**		**B-106**	
TOP OF PVC PIPE ELEVATION	529.73		499.70		495.73	
DATE	water level	elevation	water level	elevation	water level	elevation
6/3/2004	31.97	497.76	31.97	497.76	10.21	489.49
6/20/2005	18.41	511.32	42.98	486.75	16.34	483.36
6/22/2006	35.19	494.54	35.19	494.54	13.34	486.36
6/21/2007	18.89	510.84	43.30	456.40	16.65	479.08
6/26/2008	17.73	512.00	35.48	464.22	7.36	488.37
9/16/2008	18.68	511.05	39.90	459.80	14.92	480.81
12/16/2008	17.58	512.15	32.96	466.74	10.84	484.89
3/17/2009	17.38	512.35	31.13	468.57	10.61	485.12
6/22/2009	17.78	511.95	42.38	457.32	13.06	482.67
9/28/2009	18.87	510.86	42.97	456.73	17.84	477.89
12/22/2009	18.08	511.65	35.31	464.39	13.16	482.57
7/1/2010	18.49	511.24	35.83	463.87	13.87	481.86
6/27/2011	18.56	511.17	36.88	462.82	15.70	480.03
11/1/2012	-	-	43.08	456.62	19.60	476.13
6/12/2013	-	-	38.82	460.88	13.65	482.08
5/29/2014	-	-	33.90	465.80	11.57	484.16
6/30/2015	-	-	37.48	462.22	11.80	483.93
4/11/2016	-	-	35.70	464.00	11.43	484.30
6/21/2017	-	-	39.02	460.68	15.20	480.53
7/10/2018	-	-	39.09	460.61	15.47	480.26
5/31/2019	-	-	33.79	465.91	9.58	486.15
6/15/2020	-	-	36.67	463.03	13.85	481.88
5/25/2021	-	-	34.89	464.81	12.26	483.47
6/20/2022	-	-	40.95	458.75	14.00	481.73

STEUBEN COUNTY - PRATTSBURGH LANDFILL
GROUNDWATER ELEVATION DATA

MONITORING UNIT	BEDROCK UNIT					
MONITORING LOCATION	**B-107**		**B-108**		**B-109**	
TOP OF PVC PIPE ELEVATION	486.35		502.56		479.25	
DATE	water level	elevation	water level	elevation	water level	elevation
6/3/2004	13.48	482.25	13.61	472.74	9.81	492.75
6/20/2005	18.04	477.69	16.46	469.89	18.07	484.49
6/22/2006	15.79	479.94	15.67	470.68	17.19	485.37
6/21/2007	18.53	467.82	16.10	486.46	18.90	460.35
6/26/2008	15.26	471.09	15.28	487.28	16.80	462.45
9/16/2008	17.21	469.14	16.26	486.30	18.23	461.02
12/16/2008	13.87	472.48	13.31	489.25	11.03	468.22
3/17/2009	14.47	471.88	13.88	488.68	11.88	467.37
6/22/2009	16.22	470.13	14.08	488.48	17.89	461.36
9/28/2009	20.31	466.04	16.78	485.78	19.41	459.84
12/22/2009	15.24	471.11	14.94	487.62	16.43	462.82
7/1/2010	15.76	470.59	15.78	486.78	17.53	461.72
6/27/2011	16.70	469.65	15.77	486.79	18.49	460.76
11/1/2012	19.34	467.01	17.83	484.73	13.36	465.89
6/12/2013	16.26	470.09	13.54	489.02	18.47	460.78
5/29/2014	15.17	471.18	14.17	488.39	14.61	464.64
6/30/2015	14.42	471.93	14.00	488.56	14.11	465.14
4/11/2016	14.60	471.75	13.22	489.34	16.81	462.44
6/21/2017	17.17	469.18	16.83	485.73	18.89	460.36
7/10/2018	18.01	468.34	DRY	-	19.19	460.06
5/31/2019	14.01	472.34	16.29	486.27	14.98	464.27
6/15/2020	16.30	470.05	16.95	485.61	18.63	460.62
5/25/2021	15.73	470.62	16.73	485.83	16.52	462.73
6/20/2022	12.23	474.12	16.70	485.86	19.02	460.23

STEUBEN COUNTY - PRATTSBURGH LANDFILL
GROUNDWATER ELEVATION DATA

MONITORING UNIT	BEDROCK UNIT					
MONITORING LOCATION	**B-110**		**B-111**		**--**	
TOP OF PVC PIPE ELEVATION	469.71		498.61		-	
DATE	water level	elevation	water level	elevation	water level	elevation
6/3/2004	4.99	474.26	32.77	453.58	-	-
6/20/2005	10.44	468.81	43.50	442.85	-	-
6/22/2006	7.58	471.67	37.49	448.86	-	-
6/21/2007	10.92	458.79	41.96	456.65	-	-
6/26/2008	7.85	461.86	37.85	460.76	-	-
9/16/2008	8.89	460.82	42.31	456.30	-	-
12/16/2008	4.46	465.25	34.28	464.33	-	-
3/17/2009	4.62	465.09	32.24	466.37	-	-
6/22/2009	5.52	464.19	43.11	455.50	-	-
9/28/2009	12.37	457.34	50.37	448.24	-	-
12/22/2009	15.16	454.55	38.35	460.26	-	-
7/1/2010	9.14	460.57	39.15	459.46	-	-
6/27/2011	8.94	460.77	40.30	458.31	-	-
11/1/2012	13.82	455.89	45.72	452.89	-	-
6/12/2013	5.08	464.63	DRY	-	-	-
5/29/2014	4.89	464.82	DRY	-	-	-
6/30/2015	4.30	465.41	DRY	-	-	-
4/11/2016	5.77	463.94	38.10	460.51	-	-
6/21/2017	4.44	465.27	43.13	455.48	-	-
7/10/2018	10.62	459.09	41.97	456.64	-	-
5/31/2019	4.46	465.25	35.48	463.13	-	-
6/15/2020	7.85	461.86	40.27	458.34	-	-
5/25/2021	4.79	464.92	41.23	457.38	-	-

Appendix E

Periodic Review Report

Former Prattsburgh Landfill
Site No. 851013

Steuben County, New York

Prepared for

Steuben County Department of Public Works

3 East Pulteney Square
Bath, New York 14810

January 01, 2022 – December 31, 2022 Reporting Period

Barton&Loguidice

Former Prattsburgh Landfill
Site No. 851013

Periodic Review Report

January 01, 2022 – December 31, 2022 Reporting Period

Prepared for

Steuben County Department of Public Works
3 East Pulteney Square
Bath, New York 14810

Prepared by

Barton & Loguidice, P.L.L.C.
443 Electronics Parkway
Liverpool, New York 13088

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Site Description/ Summary

NYSDEC Site # 851013, also known as the former Prattsburgh Landfill, is east of Wheaton Road in the Town of Cohocton, New York. The landfill is twelve acres in size and was originally operated by the Towns of Cohocton and Prattsburgh. In 1976 the site was leased by Steuben County, which operated the site until 1986 when the landfill was closed. The Prattsburgh landfill has been classified by NYSDEC as a Class 2 Inactive Hazardous Waste Site, later re-classified as a Class 4 Inactive Hazardous Waste Site (1997), and is assigned No. 8-51-013.

The landfill is surrounded by woods and agricultural property. The nearest surface water body is approximately 8,000 feet away. Monitoring wells have been installed between contaminated portions of the landfill and the nearest private well (approximately 0.5 miles away) to continue to monitor contamination levels. Historically, industrial waste and waste oil have been reportedly dumped onsite. Groundwater around the landfill had been impacted by contaminants; of specific interest are BTEX compounds at levels in excess of applicable standards.

1.2 Site Chronology

A Remedial Investigation/Feasibility Study (RI/FS) was conducted for the County of Steuben under a Consent Order with the Attorney General's Office. The RI was completed in December 1994 and the FS was completed in January 1995. A Proposed Remedial Action Plan (PRAP) was issued by NYSDEC in February 1995 and the Record of Decision (ROD) was issued in March 1995. The ROD called for construction of a Part 360 landfill cap and a long-term monitoring plan. In addition, the ROD required implementation of institutional controls/engineering controls (IC/ECs) consisting of site access restrictions (fencing and signage) and implementation of a landfill buffer to deter future incompatible uses of adjacent lands or periodic survey of adjacent property's water sources during which private wells will be monitored. If nearby wells are found to be contaminated by the landfill, the County is responsible for providing those residences with individual treatment units. Remedial activities at the landfill were completed in November 1995. The landfill cap is in place, and perimeter fencing and signage have been installed. Post-closure monitoring has been underway since April 1995.

There have been no significant changes to the remedy since the selected remedial alternative was implemented in 1995.

1.3 Effectiveness of the Remedial Program/ Evaluation of Remedy, Performance, Effectiveness, and Protectiveness

Implementation of the selected remedy has successfully mitigated potential risks and the remedial system continues to operate effectively to protect public health and the environment:

- Site access restrictions are maintained by a perimeter fence and gating system that serves to limit public access to the facility.
- The landfill cover system prevents direct contact with waste materials and minimizes infiltration of precipitation, thus reducing the rate of leachate generation.
- The gas venting system prevents excessive buildup of landfill decomposition gases and protects the integrity of the landfill cover system.
- Surface water drainage is maintained to limit excessive erosion and sedimentation in site surface waters.
- Deed restrictions were put in place in August 2015.
- Periodic monitoring indicates that the remedy has reduced the concentrations of indicator constituents in several of the groundwater wells.

The results of groundwater monitoring (described in Section 3.2 below) demonstrates progress towards the remedial objective of restoration of groundwater quality through natural attenuation. With ongoing maintenance of the integrity of the landfill cap system, continued improvement in water quality is expected to occur over time.

1.4 Compliance

There were no significant deficiencies noted in the integrity or performance of the engineering controls in the most recent quarterly inspection (Appendix A). The institutional controls remain in effect, and consist of periodic water user surveys and monitoring of private wells if deemed necessary.

1.5 Recommendations

There are no recommended changes to the Post Closure Plan required as a result of this Periodic Review.

2.0 IC/EC PLAN COMPLIANCE REPORT

The periodic water user surveys (if necessary) or land-use buffer are the institutional controls specified in the Record of Decision for the former Prattsburgh Landfill site. Required engineering controls include site fencing, a gas venting system, and the landfill cap.

2.1 IC/EC Requirements and Compliance

- A perimeter site fence was installed to limit public access to the site. Performance of this control is evaluated through a quarterly visual inspection, which is reported as part of the on-going annual monitoring program for the site.
- A gas venting system was installed to prevent excessive buildup of landfill decomposition gases and protect the integrity of the landfill cover system. Performance of this control is evaluated through a quarterly visual inspection, which is reported as part of the on-going annual monitoring program for the site.
- Surface water drainage performance is evaluated through a quarterly visual inspection, which is reported as part of the on-going annual monitoring program for the site.
- The landfill cap system was installed to prevent direct contact with waste materials and minimize infiltration of precipitation, thus reducing the rate of leachate generation. The integrity of the cap is evaluated through a quarterly visual inspection. Performance of this control is assessed through review of the ongoing monitoring data, as described in Section 3.2. The results of the visual inspection and water quality monitoring are reported as part of the ongoing annual monitoring program for the site.
- Periodic water use surveys ensure that nearby groundwater uses are identified early on to ensure proper monitoring.

During the 2021 annual inspection, it was noted that the steel protective casing for monitoring well B-111 is loose and a new concrete surface seal was recommended. The County repaired the surface seal for B-111 in May 31, 2022.

2.2 IC/EC Certification

The IC/EC Certification form is included as Appendix B.

3.0 POST CLOSURE MONITORING, MAINTENANCE & CONTINGENCY PLAN COMPLIANCE REPORT

Site operations, maintenance, and monitoring are conducted in accordance with the Post-Closure Monitoring and Maintenance Operations Manual (MMOM) developed by Stearns and Wheeler on behalf of the County of Steuben in January 1996.

The MMOM includes details on facility and environmental monitoring and maintenance, and describes the record-keeping requirements applicable to the site. The MMOM calls for periodic inspection of the perimeter fence and associated gates and signs, the landfill cover and gas venting systems, and the surface water drainage. In addition, the plan summarizes maintenance activities that are to be implemented in the event that damage to these systems is detected during the required inspections.

The MMOM also describes the environmental monitoring program that has been established for the site, including required monitoring locations in groundwater, the parameters to be analyzed, sample collection methods, equipment cleaning and decontamination methods, and procedures to maintain sample quality and control.

Annual monitoring reports for NYSDEC Part 360 Special Baseline parameters (TAL metals and TCL VOCs only) have been submitted to NYSDEC in accordance with the requirements of the MMOM in the period from 2004 through the present. These reports included the monitoring plan components listed in the section below.

3.1 Monitoring Plan Components

The monitoring plan includes the following components:

- Annual groundwater quality monitoring at four locations in the overburden groundwater (wells OWB-101, OWB-102, OWB-103, and OWB-104). This was modified to exclude OWB-104 due to the compromised integrity of the well.
- Annual groundwater quality monitoring at seven locations in the bedrock groundwater (wells B-105, B-106, B-107, B-108, B-109, B-110, and B-111).
- Quarterly visual inspection of the perimeter fencing and signage system, site drainage, and landfill cap integrity.
- The results of the monitoring are reported annually to NYSDEC.

3.2 Comparisons with Remedial Objectives

The results of the groundwater monitoring demonstrate progress towards the remedial objective of restoration of groundwater quality through natural attenuation, as described below.

3.2.1 Overburden Unit Groundwater Trends

Recent groundwater sampling indicates that groundwater quality in the Overburden wells has remained generally consistent since closure of the landfill. Overburden well OWB-101 was dry during the 2022 annual monitoring event. OWB-101 has been reported as dry since June of 2005. BTEX compounds were not detected within OWB-102 and OW-103 during the 2022 annual monitoring event.

3.2.2 Bedrock Unit Groundwater Trends

Upon review of the historical groundwater quality data, the 2022 groundwater quality data is generally consistent with historical data for each representative monitoring location and does not demonstrate influence from the closed Prattsburgh Landfill. During the 2022 annual event acetone levels within upgradient monitoring well B-108 were detected above the groundwater guidance value, which has previously occurred at this location. Acetone has been detected in this upgradient bedrock monitoring well since 2011. Multiple VOCs were detected in 2022 within downgradient bedrock monitoring well samples below groundwater standards. The majority of these detections were estimated concentrations reported below the method reporting limit.

The downgradient Bedrock Unit groundwater quality is generally consistent with the upgradient groundwater quality. Trace VOC detections in downgradient bedrock monitoring wells will continue to be evaluated during future annual monitoring events.

3.3 Monitoring Deficiencies

No monitoring deficiencies were observed during this reporting period. Monitoring well location OWB-101 was reported as dry (or insufficient water column) and unable to be sampled during the annual monitoring event. BTEX compounds were only detected within one monitoring well, B-107 where benzene was reported at a low-level estimated value below method reporting limits.

3.4 Summary of O&M Completed During Reporting Period

The closed Prattsburgh Landfill environmental monitoring network was sampled on June 21, 2022. Steuben County representatives completed the quarterly landfill inspections of the facility. The quarterly inspection report forms are provided in Appendix A.

3.5 Evaluation of Remedial Systems

The remedial system continues to operate effectively to protect the public health and environment. A list describing the effectiveness of all remedial systems is included in Section 1.3.

3.6 O&M Deficiencies

There were no O&M deficiencies noted during the most recent quarterly inspection completed in November 2022.

3.7 Conclusions and Recommendations

The facility is well maintained and operates effectively in accordance with the Post-Closure Monitoring and Maintenance Operations Manual (January 2006). As noted previously, the results of the monitoring demonstrates generally consistent groundwater quality since closure of the landfill. Additionally, given the rate of groundwater movement it was estimated that the nearest private groundwater well (0.5 miles away) would not see landfill-related contamination for 90 years (from 1995) assuming no natural attenuation occurs and that groundwater is moving directly toward this private well (Record of Decision, 1995).

4.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

4.1 Compliance with SMP/MMOM

There were no significant deficiencies noted in the integrity or performance of the engineering controls in the most recent inspection report (attached). There are no recommended changes to the SMP and Post Closure MMOM required as a result of this Periodic Review.

4.2 Performance and Effectiveness of the Remedy

The remedy is performing properly and as designed. A list describing the effectiveness of all remedial systems is included in Section 1.3.

The results of historical groundwater monitoring demonstrate progress towards the remedial objective of restoration of groundwater quality through natural attenuation. With ongoing maintenance of the integrity of the landfill cap system, continued improvement in water quality is expected to occur over time.

4.3 Future PRR Submittals

NYSDEC requires PRR submittals for this Site on an annual basis. The next PRR will be completed in 2024 for the 2023 reporting period, and will be due by January 30, 2024.

APPENDIX A
2022. Quarterly Inspection Forms

Prattsburg Landfill
Post Closure Field Inspection Report
Prattsburg Landfill, Wheaton Road, Steuben County, NY

date: 2/1/22
inspector: WJ

1	Entrance driveway condition	Good		Fair		Poor	
2	Roadside ditches and culverts under driveway	Unobstructed		Obstructed			
3	Fence condition	Good		Fair		Damaged	
4	Vegetative cover	Good		Poor		Dead	Damaged
5	other plants present	Burdock		Thistle		Crownvetch	
6	Wood plants	Not on cap		Present		Average diameter___inches	
7	Gas vents	Unobstructed		Obstructed		Missing	Damaged
8	Surface Erosion	None		Minor		Needs Repair	
9	Differential settlement	None		Minor		Needs Repair	
10	Permimeter of landfill	Clear		Sediments		Plugged	
11	Most recent mowing	date: 7/21					
12	Distance from cap to woods	Average: 50'				Minimum:	
13	Posted signs	All present on arrival				No. Replaced	
14	Groundwater monitoring wells	Secure with Locks				Damaged	
15	Litter present	No		Yes		Estimated removal date:	
16	Evidence of ponded water	None		Observed		Suspected	
17	Fallen trees	None		Present on Cap		Date removed:	
18	Evidence of tresspass	Yes		No			
19	Evidence of motor vehicle use	No		Auto/Truck		Motorcycle	ATV
20	Woodchuck/rabbit holes in cap	No		Yes		date backfilled:	
21	Evidence of lightning strikes	No		Yes			
22	Unauthorized materials present	No		Yes			
23	Unauthorized signs present	No		Yes		Type:	
24	Dead animals present	No		Yes			
25	Oil slicks observed in water puddles	No		Yes			
26	Leachate seeps	No		Yes		Stain color:_____	
27	Leachate fluid	Puddle		Stream		Length:_____ft	
28	Gulls/scavenger birds present	No		Yes			
29	Other animal foraging evidence	No		Yes			
30	Date of most recent cap delineation by engineer:						

Comments (indicate location on attached map):

Corrective action taken:

Prattsburg Landfill
Post Closure Field Inspection Report
Prattsburg Landfill, Wheaton Road, Steuben County, NY

date: 6/1/22
inspector: WJ

1	Entrance driveway condition	(Good)		Fair		Poor	
2	Roadside ditches and culverts under driveway	(Unobstructed)		Obstructed			
3	Fence condition	(Good)		Fair		Damaged	
4	Vegetative cover	(Good)		Poor		Dead	Damaged
5	other plants present	Burdock		Thistle		(Crownvetch)	
6	Wood plants	(Not on cap)		Present		Average diameter ____ inches	
7	Gas vents	(Unobstructed)		Obstructed		Missing	Damaged
8	Surface Erosion	(None)		Minor		Needs Repair	
9	Differential settlement	(None)		Minor		Needs Repair	
10	Permimeter of landfill	(Clear)		Sediments		Plugged	
11	Most recent mowing	date: 7/21					
12	Distance from cap to woods	Average: 50'				Minimum:	
13	Posted signs	(All present on arrival)				No. Replaced	
14	Groundwater monitoring wells	(Secure with Locks)				Damaged	
15	Litter present	(No)		Yes		Estimated removal date:	
16	Evidence of ponded water	(None)		Observed		Suspected	
17	Fallen trees	(None)		Present on Cap		Date removed:	
18	Evidence of tresspass	Yes		(No)			
19	Evidence of motor vehicle use	(No)		Auto/Truck		Motorcycle	ATV
20	Woodchuck/rabbit holes in cap	(No)		Yes		date backfilled:	
21	Evidence of lightning strikes	(No)		Yes			
22	Unauthorized materials present	(No)		Yes			
23	Unauthorized signs present	(No)		Yes		Type:	
24	Dead animals present	(No)		Yes			
25	Oil slicks observed in water puddles	(No)		Yes			
26	Leachate seeps	(No)		Yes		Stain color: _____	
27	Leachate fluid	Puddle		Stream		Length: _____ ft	
28	Gulls/scavenger birds present	(No)		Yes			
29	Other animal foraging evidence	(No)		Yes			
30	Date of most recent cap delineation by engineer:						

Comments (indicate location on attached map):

Repaired well B-111 on 5/31/22

Corrective action taken:

Poured new concrete around well to secure.

Prattsburg Landfill
Post Closure Field Inspection Report
Prattsburg Landfill, Wheaton Road, Steuben County, NY

date: 9-14-22
inspector: WJ

1	Entrance driveway condition	Good		Fair		Poor		
2	Roadside ditches and culverts under driveway	Unobstructed		Obstructed				
3	Fence condition	Good		Fair		Damaged		
4	Vegetative cover	Good		Poor		Dead		Damaged
5	other plants present	Burdock		Thistle		Crownvetch		
6	Wood plants	Not on cap		Present		Average diameter____ inches		
7	Gas vents	Unobstructed		Obstructed		Missing		Damaged
8	Surface Erosion	None		Minor		Needs Repair		
9	Differential settlement	None		Minor		Needs Repair		
10	Permimeter of landfill	Clear		Sediments		Plugged		
11	Most recent mowing	date: 7/22						
12	Distance from cap to woods	Average: 50'				Minimum:		
13	Posted signs	All present on arrival				No. Replaced		
14	Groundwater monitoring wells	Secure with Locks				Damaged		
15	Litter present	No		Yes		Estimated removal date:		
16	Evidence of ponded water	None		Observed		Suspected		
17	Fallen trees	None		Present on Cap		Date removed:		
18	Evidence of tresspass	Yes		No				
19	Evidence of motor vehicle use	No		Auto/Truck		Motorcycle		ATV
20	Woodchuck/rabbit holes in cap	No		Yes		date backfilled:		
21	Evidence of lightning strikes	No		Yes				
22	Unauthorized materials present	No		Yes				
23	Unauthorized signs present	No		Yes		Type:		
24	Dead animals present	No		Yes				
25	Oil slicks observed in water puddles	No		Yes				
26	Leachate seeps	No		Yes		Stain color:_____		
27	Leachate fluid	Puddle		Stream		Length:_____ ft		
28	Gulls/scavenger birds present	No		Yes				
29	Other animal foraging evidence	No		Yes				
30	Date of most recent cap delineation by engineer:							

Comments (indicate location on attached map):
Corrective action taken:

Prattsburg Landfill
Post Closure Field Inspection Report
Prattsburg Landfill, Wheaton Road, Steuben County, NY

date: 12/1/22
inspector: WJ

1	Entrance driveway condition	(Good)		Fair		Poor	
2	Roadside ditches and culverts under driveway	(Unobstructed)		Obstructed			
3	Fence condition	(Good)		Fair		Damaged	
4	Vegetative cover	(Good)		Poor		Dead	Damaged
5	other plants present	Burdock		Thistle		(Crownvetch)	
6	Wood plants	(Not on cap)		Present		Average diameter___inches	
7	Gas vents	(Unobstructed)		Obstructed		Missing	Damaged
8	Surface Erosion	(None)		Minor		Needs Repair	
9	Differential settlement	(None)		Minor		Needs Repair	
10	Permimeter of landfill	(Clear)		Sediments		Plugged	
11	Most recent mowing	date: 7/22					
12	Distance from cap to woods	Average: 50'				Minimum:	
13	Posted signs	(All present on arrival)				No. Replaced	
14	Groundwater monitoring wells	(Secure with Locks)				Damaged	
15	Litter present	(No)		Yes		Estimated removal date:	
16	Evidence of ponded water	(None)		Observed		Suspected	
17	Fallen trees	(None)		Present on Cap		Date removed:	
18	Evidence of tresspass	Yes		(No)			
19	Evidence of motor vehicle use	(No)		Auto/Truck		Motorcycle	ATV
20	Woodchuck/rabbit holes in cap	(No)		Yes		date backfilled:	
21	Evidence of lightning strikes	(No)		Yes			
22	Unauthorized materials present	(No)		Yes			
23	Unauthorized signs present	(No)		Yes		Type:	
24	Dead animals present	(No)		Yes			
25	Oil slicks observed in water puddles	(No)		Yes			
26	Leachate seeps	(No)		Yes		Stain color:_____	
27	Leachate fluid	Puddle		Stream		Length:_____ft	
28	Gulls/scavenger birds present	(No)		Yes			
29	Other animal foraging evidence	(No)		Yes			
30	Date of most recent cap delineation by engineer:						

Comments (indicate location on attached map):

Corrective action taken:

APPENDIX B
IC/EC Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 851013

Site Name Prattsburg Landfill

Site Address: County Road 35 - Wheaton Rd (Pine Hill Rd) Zip Code: 14826
City/Town: Cohocton
County: Steuben
Site Acreage: 15.000

Reporting Period: January 1, 2022 to December 31, 2022

	YES	NO
1. Is the information above correct?	X	
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?		X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	X	
7. Are all ICs/ECs in place and functioning as designed?	X	

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 851013 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
019-01-027	Steuben County	Site Management Plan

ROD dated 3/25/1995: Capping cover system with gas venting and fencing enclosure of site.

Site Management Plan dated 4/2/1996: Groundwater monitoring and gas vent monitoring.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
019-01-027	Cover System Fencing/Access Control

Part 360 cap
gas venting system
fencing
monitoring wells

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative	Date

IC CERTIFICATIONS
SITE NO. 851013

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Steven P. Orcutt (print name) at 3 Pulteney Square, Bath, NY 14810 (print business address),

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Steven P. Orcutt
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

1/23/2023
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jeffrey J. Reed (print name) at 443 Electronics PKWY, Liverpool, NY 13088 (print business address),

am certifying as a Professional Engineer for the Owner (Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		01/27/2023

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