



CIVIL • ENVIRONMENTAL
SURVEY • PLANNING
ENERGY CONSERVATION

January 2, 2020

Frank Sowers, P.E.
NYSDEC – Region 8
6274 East Avon-Lima Road
Avon, NY 14414

Re: Brockport Landfill
DEC Site No. 828038
Long Term Environmental Monitoring Report

Dear Mr. Sowers:

Thank you for your clarification to our letter dated Dec. 31, 2019.

We are pleased to submit The Engineering report in PDF format as a separate single file.

Dr. Applin is coordinating with the Lab any changes in the electronic data deliverable (EDD) for loading the validated data into the Department's EQulS data management system

If you have any questions, or if you require additional information, please call me at 585-272-7310

Very truly yours,

A handwritten signature in black ink, appearing to read 'R. Shrivastava', with a large, sweeping flourish at the end.

Ram Shrivastava, P.E.

Enclosures

cc: Mr. Harry G. Donahue, Superintendent of Public Works, Village of Brockport
Mr. Lewis S. Streeter, Remedial Project Manager, General Electric Company

**LONG TERM ENVIRONMENTAL MONITORING
FOR THE
BROCKPORT LANDFILL
SITE NO. 828038**

**REPORT ON MONITORING WELLS
ANALYTICAL RESULTS**

**For the
Village of Brockport
49 State Street
Brockport, New York 14420**

June 2019 Sampling Event



700 WEST METRO PARK, ROCHESTER, NY 14623-2678
Phone: 585-272-7310 Fax: 585-272-0159

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INTRODUCTION

The Village of Brockport Landfill is located on East Canal Road, east of the Village of Brockport in the Town of Sweden, Monroe County, NY. The landfill property is approximately 36 acres. The waste mass encompasses about 17.5 acres and is located north of Otis Creek. The landfill was closed in 1984. Following various post-closure site investigations, the landfill was capped during 1999. A Certification Report was completed by Malcolm Pirnie, Inc. and approved by the NYSDEC on September 21, 2001. Post-closure monitoring of the on-site groundwater monitoring wells and surface water was initiated in 2001.

This report presents the results of post-closure groundwater and surface water monitoring conducted during June 2019 at the Village of Brockport Landfill, Monroe County, NY. The field sampling and laboratory analyses were conducted in accordance with the Brockport Landfill Monitoring Plan (the "Monitoring Plan"), Appendix D, of the Post-Closure Monitoring and Maintenance Operations Manual for the Brockport Landfill (Malcolm Pirnie, Inc., December 2000; revised April 2001).

In addition to the list of field and chemical parameters identified in the Monitoring Plan, the June 2019 sampling event also included the sampling and analysis of emerging contaminants [per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane]. The sampling and analysis of these compounds was conducted in accordance with a separate work plan prepared by Larsen Engineers (January 18, 2019) and approved by the NYSDEC on May 6, 2019. The sampling was limited to four of the on-site wells. The analytical results for these compounds are included in this report.

The June 2019 groundwater and surface water sampling was performed by Enalytic, LLC, East Syracuse, NY, on June 25 and 26, 2019. Laboratory analysis of the samples was conducted by Pace Analytical Services, Inc., Melville, NY. The analytical results were validated by an independent data validator (KR Applin and Associates). KR Applin and Associates also performed trend analyses on all analytical results obtained to date.

SAMPLING LOCATIONS

The post-closure monitoring well array consists of six overburden wells and six bedrock wells that are assigned the following IDs:

<u>Overburden Wells</u>	<u>Bedrock Wells</u>
GW-1S	GW-3R
GW-2S	GW-4R
GW-3S	GW-5R
GW-5S	GW-6R
GW-6S	GW-7R
GW-7S	GW-9R

In addition to the monitoring wells, surface water samples were collected at one location on Otis Creek and at a "seep" located at the northwest corner of the landfill adjacent to the access road. The sampling locations are shown on Figure 2-1 of the Monitoring Plan.

SAMPLING

Sampling of the monitoring wells and surface waters listed above was performed on June 25 and 26, 2019 by a field team from Enalytic, LLC. Samples were collected for the analysis of field parameters, general chemistry parameters, metals, and TCL volatile organic compounds (VOCs), as defined in the Monitoring Plan. For samples exhibiting turbidities in excess of 50 NTU, an additional filtered sample was collected for the analysis of metals. Appropriate quality control (QC) samples (matrix spike/matrix spike duplicate samples, equipment blanks, and trip blanks) were also collected. A field duplicate sample was collected from well GW-5R. All monitoring well samples were collected using dedicated bailers.

During the June 2019 sampling event, samples were also collected for the analysis of emerging contaminants (PFAS and 1,4-dioxane). These samples were collected from the following four wells only:

GW-1S
GW-3S
GW-6R
GW-9R

The sampling for emerging contaminants was conducted in accordance with the sampling protocol described in the Larsen Engineers work plan dated May 6, 2019.

Copies of the Field Data Reports and the Chain of Custody Documents are provided with the laboratory analytical data (Appendix A).

ANALYSIS

Except for PFAS, the laboratory analyses, including analyses for 1,4-dioxane, were performed by Pace Analytical Services, Inc., Melville, NY, using appropriate USEPA SW-846 methods. The analyses for PFAS, performed using EPA Method 537 (modified), were subcontracted to Eurofins TestAmerica, Sacramento, CA. Analytical results were provided in USEPA Tier IV (NYSDEC ASP Category B) format.

All analytical results are provided in Adobe PDF format with this report.

DATA VALIDATION

Validation of the laboratory data was performed by KR Applin and Associates following appropriate USEPA guidance documents for the validation of metals and VOCs. The Data Validation Report is provided in Appendix B.

As a result of the data review, all analytical results were deemed to be usable. However, the results for some analytes were qualified as estimated (J) due to various QC problems. No analytical results were qualified as rejected (R).

TREND ANALYSIS OF WATER QUALITY DATA

In accordance with Section 6.3.2 of the Monitoring Plan, a trend analysis was performed on the post-closure monitoring data. To evaluate long-term trends, the analysis included all data obtained from 2001 to present. Trend analyses were performed using the analytical results obtained for each analyte at each sampling point. The analysis was performed by KR Applin and Associates using AquaChem© software. The Trend Analysis Report is provided in Appendix G.

The number of trends identified varied widely among the monitoring well and surface water samples. However, downward trends were predominant in wells GW-2S, GW-3S, GW-5S, GW-7S, GW-4R, and GW-6R.

Upward trends were predominant in wells GW-1S, GW-6S, GW-3R, GW-5R, GW-7R, and GW-9R.

Downward trends were found for trichloroethene (TCE) and/or its degradation products (cis-dichloroethene and vinyl chloride) in wells GW-3S, GW-3R, and GW-6R. A downward trend for chloroethane was found for well GW-5R.

Upward trends in barium, calcium, magnesium, manganese, potassium, and sodium were found for surface water sample SW-1. No trends were found for the seep sample.

EXCEEDANCES OF NYSDOH PART 5 DRINKING WATER STANDARDS

The analytical results from the June 2019 sampling event were compared to the NYSDOH Part 5 Drinking Water Standards. Results exceeding the standards are listed in the attached table. As shown, exceedances of the standards for iron, manganese, or sodium occurred in many of the wells and most likely reflect naturally-occurring concentrations of these parameters.

Wells showing exceedances of the standards for VOCs and other indicators of landfill contamination (e.g., chloride and sodium) include the following:

GW-3R
GW-4R
GW-5S
GW-5R
GW-6R
GW-7R

WATER LEVEL DATA

A summary of groundwater elevations measured at each of the monitoring wells since post-closure monitoring began in 2001 is attached. The elevations are also plotted on the attached time series graph. As illustrated on the graph, the elevations measured during the June 2019 sampling event show a recovery since the previous 2016 event when a period of drought-like conditions occurred.

Comparisons of the water elevations in the shallow and deep well pairs (e.g., GW-3S/3R, GW-5S/5R, GW-6S/6R, and GW-7S/7R) show slightly higher elevations in the shallow wells, which indicates a potential for downward flow from the overburden to the bedrock.

The distribution of groundwater elevations measured at the various wells indicates that groundwater within the shallow; moraine water-bearing zone continues to flow toward a tributary of Otis Creek at the south side of the site and toward a wetland located north of the landfill site. Groundwater within the shallow bedrock zone discharges to the Barge Canal north of the site. As indicated by the generally parallel trends in the elevation data (see time series

graph), groundwater flow directions have remained relatively consistent during the post-closure period.

EMERGING CONTAMINANTS TEST RESULTS

The analytical results for emerging contaminants are provided in Appendix A.2. The results show a value of 22.6 µg/L for 1,4-dioxane in the sample from well GW-6R. A value of 19.8 µg/L was reported for the field duplicate sample taken from this well. Non-detect results were reported for wells GW-1S, GW-3S, and MW-9R.

The results for PFAS compounds detected at concentrations above the method detection limits (MDLs) are summarized in the attached table. As shown, various PFAS compounds were detected in each of the four wells sampled. In general, more compounds were detected in bedrock wells GW-6R and GW-9R and at higher concentrations than overburden wells GW-1S and GW-3S. All the reported detections are below the USEPA health advisory level of 70 µg/L.

SITE VISIT OBSERVATIONS

Observations of the landfill appearance and overall site conditions were documented by the Enalytic, LLC field team while performing sample collection. They observed that the landfill was generally well maintained by the Brockport Village Department of Public Works. No leachate outbreaks were observed. Water quality in Otis Creek and nearby drainage ditches appeared too good. No discoloration, unusual turbidity or detectible odors were observed in surface waters at the time of the site visit.

The landfill cap was completely vegetated with grass. The Village of Brockport Department of Public Works was mowing/trimming the landfill and surrounding area during the sampling event. No damage to the fencing surrounding the landfill was observed.

All of the monitoring wells appeared to be in good condition except for the following: The locks on wells GW-2S and GW-5S were rusty and difficult to open. The metal lids on wells GW-6S and GW-7R were either broken or bent and could not be locked.

CONCLUSIONS

The sampling of groundwater and surface water at the Village of Brockport Landfill was conducted on June 25 and 26, 2019. Complete samples were collected from each of the 12 groundwater monitoring wells, from one surface water location, and one seep. The samples were analyzed for the parameters listed in the Post-Closure Monitoring and Maintenance Operations Manual, which include general chemistry parameters, metals, and TCL volatile organic compounds.

In addition, samples were collected from two overburden and two bedrock monitoring wells for the analysis of emerging contaminants (PFAS and 1,4-dioxane).

The analytical results were validated by an independent data validator. All results were considered to be usable. No results were rejected.

Groundwater flow directions appear to be consistent with earlier determinations. Groundwater within the overburden continues to flow toward a tributary of Otis Creek at the south side of the site and toward a wetland located north of the landfill site. Groundwater within the shallow bedrock zone discharges to the Barge Canal north of the site.

A trend analysis was performed using all analytical data obtained to date for each well and surface water sampling point. Downward trends were predominant in wells GW-2S, GW-3S, GW-5S, GW-7S, GW-4R, and GW-6R. Upward trends were predominant in wells GW-1S, GW-6S, GW-3R, GW-5R, GW-7R, and GW-9R.

Downward trends were found for TCE and/or its degradation products in wells GW-3S, GW-3R, and GW-6R. A downward trend for chloroethane was found for well GW-5R.

Upward trends in barium, calcium, magnesium, manganese, potassium, and sodium were found for surface water sample SW-1. No trends were found for the seep sample.

The analytical results were also compared to the NYSDOH Part 5 drinking water standards. Exceedances of the standards for iron, manganese, or sodium occurred in many of the wells and most likely reflect naturally-occurring concentrations of these parameters. Six wells, mainly bedrock wells, showed exceedances of the standards for VOCs and other indicators of landfill contamination (e.g., chloride and sodium).

The analytical results for emerging contaminants showed a value of 22.6 µg/L for 1,4-dioxane in well GW-6R. Non-detect results were reported for wells GW-1S, GW-3S, and MW-9R.

Various PFAS compounds were detected in each of the four wells sampled. In general, more compounds were detected in bedrock wells GW-6R and GW-9R and at higher concentrations than overburden wells GW-1S and GW-3S. All the reported detections were below the USEPA health advisory level of 70 µg/L.

REFERENCES

Larsen Engineers, Work Plan for Additional Sampling and Testing for Emerging Contaminants PFAS and 1,4-Dioxane; January 2019; Modified May 2019.

Malcolm Pirnie, Inc., Brockport Landfill - Site 8-28-038, Post-Closure Monitoring and Maintenance Operations Manual; December 2000; Revised April 2001.

APPENDIX A

July 12, 2019

Pete Fricano
Enalytic, LLC
6034 Corporate Drive
East Syracuse, NY 13057

RE: Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Dear Pete Fricano:

Enclosed are the analytical results for sample(s) received by the laboratory on June 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

REVISION 1: Report re-issued on 7/12/19 for updated qualifiers in the case narrative.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Method: EPA 6010C
Description: 6010 MET ICP
Client: Enalytic, LLC
Date: July 12, 2019

General Information:

2 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121065

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 576051)
 - Calcium
 - Sodium

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Enalytic, LLC

Date: July 12, 2019

General Information:

2 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120726

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 574699)
 - 2-Butanone (MEK)
- LCS (Lab ID: 574700)
 - 2-Butanone (MEK)
- MS (Lab ID: 574820)
 - 2-Butanone (MEK)
- MSD (Lab ID: 574821)
 - 2-Butanone (MEK)
- SEEP (Lab ID: 7095500002)
 - 2-Butanone (MEK)
- SW-1 (Lab ID: 7095500001)
 - 2-Butanone (MEK)

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120726

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 574700)
 - Acetone
 - Dibromochloromethane
- MS (Lab ID: 574820)
 - Acetone
 - Dibromochloromethane
- MSD (Lab ID: 574821)
 - Acetone
 - Dibromochloromethane

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 574699)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Enalytic, LLC

Date: July 12, 2019

QC Batch: 120726

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Vinyl chloride
- trans-1,4-Dichloro-2-butene
- LCS (Lab ID: 574700)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- MS (Lab ID: 574820)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- MSD (Lab ID: 574821)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- SEEP (Lab ID: 7095500002)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- SW-1 (Lab ID: 7095500001)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Enalytic, LLC

Date: July 12, 2019

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 120726

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 574700)
 - 1,1,1,2-Tetrachloroethane

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 574700)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - 4-Methyl-2-pentanone (MIBK)
 - trans-1,4-Dichloro-2-butene

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 120726

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095502007

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 574820)
 - 1,1,1,2-Tetrachloroethane
 - 1,2-Dibromo-3-chloropropane
 - trans-1,4-Dichloro-2-butene
- MSD (Lab ID: 574821)
 - 1,1,1,2-Tetrachloroethane
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - trans-1,4-Dichloro-2-butene

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 574820)
 - Chlorobenzene
 - Ethylbenzene
 - Styrene
- MSD (Lab ID: 574821)
 - Styrene

MS: Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

- MS (Lab ID: 574820)
 - Xylene (Total)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Enalytic, LLC

Date: July 12, 2019

QC Batch: 120726

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095502007

R1: RPD value was outside control limits.

- MSD (Lab ID: 574821)
- Iodomethane

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Sample: SW-1		Lab ID: 7095500001		Collected: 06/26/19 11:51		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	8.08	Std. Units		1		06/26/19 11:51			
Field Temperature	22.8	deg C		1		06/26/19 11:51			
Field Specific Conductance	1021	umhos/cm		1		06/26/19 11:51			
Oxygen, Dissolved	9.8	mg/L		1		06/26/19 11:51	7782-44-7		
REDOX	-73	mV		1		06/26/19 11:51			
Field Turbidity	4.38	NTU		1		06/26/19 11:51			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:19	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:19	7440-38-2		
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 23:19	7440-39-3		
Calcium	88300	ug/L	200	1	07/09/19 10:00	07/10/19 23:19	7440-70-2		
Iron	2580	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:19	7439-89-6		
Magnesium	18200	ug/L	200	1	07/09/19 10:00	07/10/19 23:19	7439-95-4		
Manganese	428	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:19	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:19	7440-09-7		
Sodium	93800	ug/L	5000	1	07/09/19 10:00	07/10/19 23:19	7440-23-5		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		07/05/19 20:50	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/05/19 20:50	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/05/19 20:50	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/05/19 20:50	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/05/19 20:50	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/05/19 20:50	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		07/05/19 20:50	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/05/19 20:50	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/05/19 20:50	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/05/19 20:50	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/05/19 20:50	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/05/19 20:50	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/05/19 20:50	74-87-3	CL	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/05/19 20:50	96-12-8	CL,L2	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/05/19 20:50	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/05/19 20:50	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/05/19 20:50	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/05/19 20:50	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/05/19 20:50	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/05/19 20:50	110-57-6	CL,L2	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	75-34-3	CL,L2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/05/19 20:50	78-87-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Sample: SW-1		Lab ID: 7095500001		Collected: 06/26/19 11:51		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 20:50	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 20:50	10061-02-6		
Ethylbenzene	<1.0	ug/L	1.0	1		07/05/19 20:50	100-41-4		
2-Hexanone	<5.0	ug/L	5.0	1		07/05/19 20:50	591-78-6		
Iodomethane	<1.0	ug/L	1.0	1		07/05/19 20:50	74-88-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/05/19 20:50	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/05/19 20:50	108-10-1	L2	
Styrene	<1.0	ug/L	1.0	1		07/05/19 20:50	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	630-20-6	L1	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/05/19 20:50	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/05/19 20:50	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/05/19 20:50	96-18-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/05/19 20:50	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/05/19 20:50	75-01-4	CL	
Xylene (Total)	<3.0	ug/L	3.0	1		07/05/19 20:50	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		07/05/19 20:50	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-124	1		07/05/19 20:50	460-00-4		
Toluene-d8 (S)	102	%	69-124	1		07/05/19 20:50	2037-26-5		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Sample: SEEP		Lab ID: 7095500002		Collected: 06/26/19 12:54		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.97	Std. Units		1		06/26/19 12:54			
Field Temperature	23.6	deg C		1		06/26/19 12:54			
Field Specific Conductance	624	umhos/cm		1		06/26/19 12:54			
Oxygen, Dissolved	10.9	mg/L		1		06/26/19 12:54	7782-44-7		
REDOX	-98	mV		1		06/26/19 12:54			
Field Turbidity	24.8	NTU		1		06/26/19 12:54			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:35	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:35	7440-38-2		
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 23:35	7440-39-3		
Calcium	91900	ug/L	200	1	07/09/19 10:00	07/10/19 23:35	7440-70-2		
Iron	1090	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:35	7439-89-6		
Magnesium	19000	ug/L	200	1	07/09/19 10:00	07/10/19 23:35	7439-95-4		
Manganese	240	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:35	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:35	7440-09-7		
Sodium	101000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:35	7440-23-5		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		07/05/19 21:10	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/05/19 21:10	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/05/19 21:10	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/05/19 21:10	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/05/19 21:10	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/05/19 21:10	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/05/19 21:10	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/05/19 21:10	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-87-3	CL	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/05/19 21:10	96-12-8	CL,L2	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/05/19 21:10	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/05/19 21:10	110-57-6	CL,L2	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-34-3	CL,L2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/05/19 21:10	78-87-5		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Sample: SEEP		Lab ID: 7095500002		Collected: 06/26/19 12:54		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 21:10	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 21:10	10061-02-6		
Ethylbenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	100-41-4		
2-Hexanone	<5.0	ug/L	5.0	1		07/05/19 21:10	591-78-6		
Iodomethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-88-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/05/19 21:10	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/05/19 21:10	108-10-1	L2	
Styrene	<1.0	ug/L	1.0	1		07/05/19 21:10	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	630-20-6	L1	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/05/19 21:10	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/05/19 21:10	96-18-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/05/19 21:10	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/05/19 21:10	75-01-4	CL	
Xylene (Total)	<3.0	ug/L	3.0	1		07/05/19 21:10	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	68-153	1		07/05/19 21:10	17060-07-0		
4-Bromofluorobenzene (S)	102	%	79-124	1		07/05/19 21:10	460-00-4		
Toluene-d8 (S)	102	%	69-124	1		07/05/19 21:10	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

QC Batch: 121065

Analysis Method: EPA 6010C

QC Batch Method: EPA 3005A

Analysis Description: 6010 MET Water

Associated Lab Samples: 7095500001, 7095500002

METHOD BLANK: 576048

Matrix: Water

Associated Lab Samples: 7095500001, 7095500002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<60.0	60.0	07/10/19 21:22	
Arsenic	ug/L	<10.0	10.0	07/10/19 21:22	
Barium	ug/L	<200	200	07/10/19 21:22	
Calcium	ug/L	<200	200	07/10/19 21:22	
Iron	ug/L	<20.0	20.0	07/10/19 21:22	
Magnesium	ug/L	<200	200	07/10/19 21:22	
Manganese	ug/L	<10.0	10.0	07/10/19 21:22	
Potassium	ug/L	<5000	5000	07/10/19 21:22	
Sodium	ug/L	<5000	5000	07/10/19 21:22	

LABORATORY CONTROL SAMPLE: 576049

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	750	767	102	80-120	
Arsenic	ug/L	500	475	95	80-120	
Barium	ug/L	500	523	105	80-120	
Calcium	ug/L	25000	25200	101	80-120	
Iron	ug/L	2000	2020	101	80-120	
Magnesium	ug/L	25000	24900	100	80-120	
Manganese	ug/L	250	246	98	80-120	
Potassium	ug/L	50000	51400	103	80-120	
Sodium	ug/L	50000	51700	103	80-120	

MATRIX SPIKE SAMPLE: 576051

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	<60.0	750	753	100	75-125	
Arsenic	ug/L	<10.0	500	511	102	75-125	
Barium	ug/L	275	500	722	89	75-125	
Calcium	ug/L	125000	25000	140000	62	75-125	M1
Iron	ug/L	16600	2000	18600	104	75-125	
Magnesium	ug/L	65400	25000	84800	78	75-125	
Manganese	ug/L	505	250	726	88	75-125	
Potassium	ug/L	13800	50000	62100	97	75-125	
Sodium	ug/L	179000	50000	212000	67	75-125	M1

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

SAMPLE DUPLICATE: 576050

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	275	278	1	
Calcium	ug/L	125000	123000	2	
Iron	ug/L	16600	18000	9	
Magnesium	ug/L	65400	64400	2	
Manganese	ug/L	505	506	0	
Potassium	ug/L	13800	13800	0	
Sodium	ug/L	179000	178000	0	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

QC Batch:	120726	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	7095500001, 7095500002		

METHOD BLANK: 574699 Matrix: Water

Associated Lab Samples: 7095500001, 7095500002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	07/05/19 12:46	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	07/05/19 12:46	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	07/05/19 12:46	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	07/05/19 12:46	
1,1-Dichloroethane	ug/L	<1.0	1.0	07/05/19 12:46	CL
1,1-Dichloroethene	ug/L	<1.0	1.0	07/05/19 12:46	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	07/05/19 12:46	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	07/05/19 12:46	CL
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	07/05/19 12:46	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	07/05/19 12:46	
1,2-Dichloroethane	ug/L	<1.0	1.0	07/05/19 12:46	
1,2-Dichloropropane	ug/L	<1.0	1.0	07/05/19 12:46	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	07/05/19 12:46	
2-Butanone (MEK)	ug/L	<5.0	5.0	07/05/19 12:46	IL
2-Hexanone	ug/L	<5.0	5.0	07/05/19 12:46	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	07/05/19 12:46	
Acetone	ug/L	<5.0	5.0	07/05/19 12:46	
Acrylonitrile	ug/L	<1.0	1.0	07/05/19 12:46	
Benzene	ug/L	<1.0	1.0	07/05/19 12:46	
Bromochloromethane	ug/L	<1.0	1.0	07/05/19 12:46	
Bromodichloromethane	ug/L	<1.0	1.0	07/05/19 12:46	
Bromoform	ug/L	<1.0	1.0	07/05/19 12:46	CL
Bromomethane	ug/L	<1.0	1.0	07/05/19 12:46	
Carbon disulfide	ug/L	<1.0	1.0	07/05/19 12:46	
Carbon tetrachloride	ug/L	<1.0	1.0	07/05/19 12:46	
Chlorobenzene	ug/L	<1.0	1.0	07/05/19 12:46	
Chloroethane	ug/L	<1.0	1.0	07/05/19 12:46	
Chloroform	ug/L	<1.0	1.0	07/05/19 12:46	
Chloromethane	ug/L	<1.0	1.0	07/05/19 12:46	CL
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	07/05/19 12:46	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	07/05/19 12:46	
Dibromochloromethane	ug/L	<1.0	1.0	07/05/19 12:46	
Dibromomethane	ug/L	<1.0	1.0	07/05/19 12:46	
Ethylbenzene	ug/L	<1.0	1.0	07/05/19 12:46	
Iodomethane	ug/L	<1.0	1.0	07/05/19 12:46	
Methylene Chloride	ug/L	<1.0	1.0	07/05/19 12:46	
Styrene	ug/L	<1.0	1.0	07/05/19 12:46	
Tetrachloroethene	ug/L	<1.0	1.0	07/05/19 12:46	
Toluene	ug/L	<1.0	1.0	07/05/19 12:46	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	07/05/19 12:46	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	07/05/19 12:46	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

METHOD BLANK: 574699

Matrix: Water

Associated Lab Samples: 7095500001, 7095500002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	07/05/19 12:46	CL
Trichloroethene	ug/L	<1.0	1.0	07/05/19 12:46	
Trichlorofluoromethane	ug/L	<1.0	1.0	07/05/19 12:46	
Vinyl acetate	ug/L	<1.0	1.0	07/05/19 12:46	
Vinyl chloride	ug/L	<1.0	1.0	07/05/19 12:46	CL
Xylene (Total)	ug/L	<3.0	3.0	07/05/19 12:46	
1,2-Dichloroethane-d4 (S)	%	97	68-153	07/05/19 12:46	
4-Bromofluorobenzene (S)	%	102	79-124	07/05/19 12:46	
Toluene-d8 (S)	%	105	69-124	07/05/19 12:46	

LABORATORY CONTROL SAMPLE: 574700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.4	115	74-113	L1
1,1,1-Trichloroethane	ug/L	50	51.1	102	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	41.0	82	74-121	
1,1,2-Trichloroethane	ug/L	50	43.2	86	80-117	
1,1-Dichloroethane	ug/L	50	40.6	81	83-151	CL,L2
1,1-Dichloroethene	ug/L	50	42.6	85	45-146	
1,2,3-Trichloropropane	ug/L	50	45.2	90	71-123	
1,2-Dibromo-3-chloropropane	ug/L	50	35.2	70	74-119	CL,L2
1,2-Dibromoethane (EDB)	ug/L	50	50.5	101	83-115	
1,2-Dichlorobenzene	ug/L	50	50.4	101	74-113	
1,2-Dichloroethane	ug/L	50	46.2	92	74-129	
1,2-Dichloropropane	ug/L	50	41.1	82	75-117	
1,4-Dichlorobenzene	ug/L	50	49.3	99	71-113	
2-Butanone (MEK)	ug/L	50	41.9	84	44-162	IL
2-Hexanone	ug/L	50	42.0	84	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	34.2	68	69-132	L2
Acetone	ug/L	50	51.7	103	23-188	CH
Acrylonitrile	ug/L	50	37.1	74	59-148	
Benzene	ug/L	50	43.3	87	73-119	
Bromochloromethane	ug/L	50	49.3	99	81-116	
Bromodichloromethane	ug/L	50	49.6	99	78-117	
Bromoform	ug/L	50	42.4	85	65-122	CL
Bromomethane	ug/L	50	34.6	69	52-147	
Carbon disulfide	ug/L	50	40.2	80	41-144	
Carbon tetrachloride	ug/L	50	52.9	106	59-120	
Chlorobenzene	ug/L	50	54.1	108	75-113	
Chloroethane	ug/L	50	36.3	73	49-151	
Chloroform	ug/L	50	46.8	94	72-122	
Chloromethane	ug/L	50	25.3	51	46-144	CL
cis-1,2-Dichloroethene	ug/L	50	45.1	90	72-121	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	78-116	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

LABORATORY CONTROL SAMPLE: 574700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	58.2	116	70-120	CH
Dibromomethane	ug/L	50	46.3	93	75-125	
Ethylbenzene	ug/L	50	53.4	107	70-113	
Iodomethane	ug/L	50	36.2	72	61-144	
Methylene Chloride	ug/L	50	42.6	85	61-142	
Styrene	ug/L	50	57.9	116	72-118	
Tetrachloroethene	ug/L	50	50.6	101	60-128	
Toluene	ug/L	50	44.9	90	72-119	
trans-1,2-Dichloroethene	ug/L	50	45.9	92	56-142	
trans-1,3-Dichloropropene	ug/L	50	49.9	100	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	33.9	68	71-121	CL,L2
Trichloroethene	ug/L	50	48.9	98	69-117	
Trichlorofluoromethane	ug/L	50	43.9	88	27-173	
Vinyl acetate	ug/L	50	41.1	82	20-158	
Vinyl chloride	ug/L	50	30.6	61	43-143	CL
Xylene (Total)	ug/L	150	164	109	71-109	
1,2-Dichloroethane-d4 (S)	%			96	68-153	
4-Bromofluorobenzene (S)	%			109	79-124	
Toluene-d8 (S)	%			102	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 574820 574821

Parameter	Units	7095502007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50	60.2	57.7	120	115	74-113	4	M0
1,1,1-Trichloroethane	ug/L	<1.0	50	50	55.3	51.0	111	102	65-118	8	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	44.5	45.0	89	90	74-121	1	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	48.4	47.8	97	96	80-117	1	
1,1-Dichloroethane	ug/L	<1.0	50	50	43.4	41.2	87	82	83-151	5	CL,M0
1,1-Dichloroethene	ug/L	<1.0	50	50	49.5	46.6	99	93	45-146	6	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	49.5	49.1	99	98	71-123	1	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	35.3	36.3	71	73	74-119	3	CL,M0
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	55.4	56.1	111	112	83-115	1	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	54.9	51.0	110	102	74-113	7	
1,2-Dichloroethane	ug/L	<1.0	50	50	49.4	48.1	99	96	74-129	3	
1,2-Dichloropropane	ug/L	<1.0	50	50	46.4	44.1	93	88	75-117	5	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	53.6	49.7	107	99	71-113	8	
2-Butanone (MEK)	ug/L	<5.0	50	50	40.3	41.0	81	82	44-162	2	IL
2-Hexanone	ug/L	<5.0	50	50	41.7	43.8	83	88	32-183	5	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	37.5	39.2	75	78	69-132	4	
Acetone	ug/L	<5.0	50	50	37.2	40.3	74	81	23-188	8	CH
Acrylonitrile	ug/L	<1.0	50	50	39.5	40.9	79	82	59-148	3	
Benzene	ug/L	<1.0	50	50	48.9	45.4	98	91	73-119	7	
Bromochloromethane	ug/L	<1.0	50	50	53.0	51.6	106	103	81-116	3	
Bromodichloromethane	ug/L	<1.0	50	50	52.1	50.5	104	101	78-117	3	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 574820 574821											
Parameter	Units	7095502007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Bromoform	ug/L	<1.0	50	50	44.0	45.9	88	92	65-122	4	CL
Bromomethane	ug/L	<1.0	50	50	42.2	42.3	84	85	52-147	0	
Carbon disulfide	ug/L	<1.0	50	50	49.2	43.8	98	88	41-144	12	
Carbon tetrachloride	ug/L	<1.0	50	50	55.9	52.3	112	105	59-120	7	
Chlorobenzene	ug/L	<1.0	50	50	59.8	55.3	120	111	75-113	8	M1
Chloroethane	ug/L	<1.0	50	50	44.3	41.6	89	83	49-151	6	
Chloroform	ug/L	<1.0	50	50	50.4	47.4	101	95	72-122	6	
Chloromethane	ug/L	<1.0	50	50	35.5	36.6	71	73	46-144	3	CL
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	47.7	45.4	95	91	72-121	5	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50.6	49.3	101	99	78-116	3	
Dibromochloromethane	ug/L	<1.0	50	50	59.4	59.1	119	118	70-120	1	CH
Dibromomethane	ug/L	<1.0	50	50	51.2	50.5	102	101	75-125	1	
Ethylbenzene	ug/L	<1.0	50	50	59.5	53.6	119	107	70-113	10	M1
Iodomethane	ug/L	<1.0	50	50	54.1	43.2	108	86	61-144	22	R1
Methylene Chloride	ug/L	<1.0	50	50	45.9	43.8	92	88	61-142	5	
Styrene	ug/L	<1.0	50	50	63.7	59.3	127	119	72-118	7	M1
Tetrachloroethene	ug/L	<1.0	50	50	56.9	51.1	114	102	60-128	11	
Toluene	ug/L	<1.0	50	50	51.1	46.7	102	93	72-119	9	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	49.6	46.5	99	93	56-142	6	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	51.9	51.5	104	103	79-116	1	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	33.8	32.9	68	66	71-121	3	CL,M0
Trichloroethene	ug/L	<1.0	50	50	53.4	49.9	107	100	69-117	7	
Trichlorofluoromethane	ug/L	<1.0	50	50	51.3	47.3	103	95	27-173	8	
Vinyl acetate	ug/L	<1.0	50	50	38.5	38.2	77	76	20-158	1	
Vinyl chloride	ug/L	<1.0	50	50	41.0	38.2	82	76	43-143	7	CL
Xylene (Total)	ug/L	<3.0	150	150	182	166	122	111	71-109	9	MS
1,2-Dichloroethane-d4 (S)	%						97	97	68-153		
4-Bromofluorobenzene (S)	%						108	110	79-124		
Toluene-d8 (S)	%						102	103	69-124		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
 ND - Not Detected at or above adjusted reporting limit.
 TNTC - Too Numerous To Count
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
 MDL - Adjusted Method Detection Limit.
 PQL - Practical Quantitation Limit.
 RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
 S - Surrogate
 1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
 Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
 LCS(D) - Laboratory Control Sample (Duplicate)
 MS(D) - Matrix Spike (Duplicate)
 DUP - Sample Duplicate
 RPD - Relative Percent Difference
 NC - Not Calculable.
 SG - Silica Gel - Clean-Up
 U - Indicates the compound was analyzed for, but not detected.
 N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
 Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
 TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7095500001	SW-1				
7095500002	SEEP				
7095500001	SW-1	EPA 3005A	121065	EPA 6010C	121071
7095500002	SEEP	EPA 3005A	121065	EPA 6010C	121071
7095500001	SW-1	EPA 8260C/5030C	120726		
7095500002	SEEP	EPA 8260C/5030C	120726		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

WO#: 7095500

PM: JSA Due Date: 07/12/19

CLIENT: ENALYTIC

Client Name:

Enalytic

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

7255 7595 6143

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ NoTemperature Blank Present: ☐ Yes ☒ NoPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ OtherType of Ice: ☒ Wet ☐ Blue ☐ NoneThermometer Used: ☒ H09

Correction Factor: +0.2

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C):

4.1

Cooler Temperature Corrected (°C):

4.3

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: 6/27/19 JSA

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☒ NODid samples originate from a foreign source (international including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
-Includes date/time/ID/Analysis Matrix SL <input checked="" type="checkbox"/> WT <input type="checkbox"/> OIL				
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # HC863463				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Enalytic, LLC

Analytical Testing Laboratory

"30 years of science and customer service experience supporting our clients' ever-changing analytical needs"

Shipping: 6034 Corporate Drive * East Syracuse, NY 13057

Mailing: P.O. Box 289 * Syracuse, NY 13206

Phone: (315) 437-0255 * **Fax:** (315) 437-1209

Mr. Ram Shrivastava, P.E.

Wednesday, August 7, 2019

Larsen Engineers

700 West Metro Park

Rochester, NY 14623-2678

Re: Analysis Report: Brockport Landfill
Town of Sweden, Monroe County, NY
Emerging Contaminants Monitoring

Work Order: E1906099

Dear Ram Shrivastava, P.E.,

In accordance with the Brockport Landfill's Environmental Monitoring Plan, please find attached test results for the above referenced project.

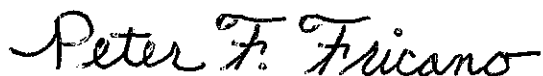
The sampling for the event was conducted by Enalytic, LLC Field Technicians on June 25th-26th, 2019.

Four wells were sampled (GW-1S, GW-3S, GW-6R, and GW-9R), one Field Duplicate (GW-6R) and one Matrix Spike/Matrix Spike Duplicate (GW-9R). As per the NYSDEC's requirements regarding the sampling of PFAS and 1,4-Dioxane, an Equipment Blank was also collected.

The analytical testing for the PFAS was performed by Eurofins Test America, Sacramento, NELAP Identification Number 11666 (an accreditation/certification summary may be found on page 37 of 41 in the attached report). The analytical testing for the 1,4-Dioxane was performed by Pace Analytical Services, Inc. (NYSDOH ELAP ID# 10888). The Pace Labs test report (which includes the Eurofins Test America, Sacramento test report) is enclosed.

Should you have any questions regarding the sampling event or the enclosed test report, or if I can be of any further service to you, please do not hesitate to give me a call.

Sincerely,
Enalytic Laboratories, LLC



Peter F. Fricano
Project Manager

Enc: Pace Analytical ASP-B Category B Package Report Nos. 7095477,
Enalytic Field Data Sheets and NY Equis EDD w/Excel Spreadsheet.

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client: Larsen Engineering
 Project: Brockport Landfill
 Well ID.: GW-1S

Lab ID No. (enter by lab)

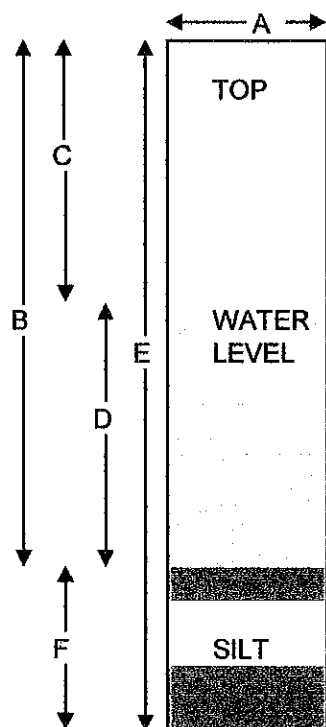
Condition of Well: Good

Locked: Yes

Method of Evacuation: HDPE Bailer (New)

Lock ID: 10G151

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>15.45</u>	feet
C.	Depth to Water	<u>3.8</u>	feet
D.	Length of Water Column (calculated)	<u>11.65</u>	feet
	Conversion Factor	<u>X.16</u>	-----
	Well Volume (calculated)	<u>1.86</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	-----
	Total Volume to be Evacuated	<u>5.6</u>	gallons
	Actual Volume Evacuated	<u>10</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/25/2019</u>	<u>6/26/2019</u>
Time	<u>12:01pm</u>	<u>11:37am</u>
EH	<u>-158</u>	<u>56</u>
Temperature	<u>16.2</u>	<u>19.3</u>
pH	<u>7.37</u>	<u>7.41</u>
Specific Cond.	<u>530</u>	<u>628</u>
Turbidity	<u>18.5</u>	<u>163</u>
Dissolved Oxygen Appearance	<u>N/A</u> <u>Lt. Reddish</u>	<u>N/A</u> <u>Reddish</u>

Weather: 84degF Clear

Observations: Dissolved Metals

% Recharge:

Initial Depth to Water 3.8

Recharge Depth to Water 5.2 feet

2nd water column height 88 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation=N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler: Peter Fricano, Kris Mann

Cassie Dunbar, Jake Longden

Signature:

Peter Fricano

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client: Larsen Engineering
 Project: Brockport Landfill
 Well ID.: GW-3S

Lab ID No. (enter by lab)

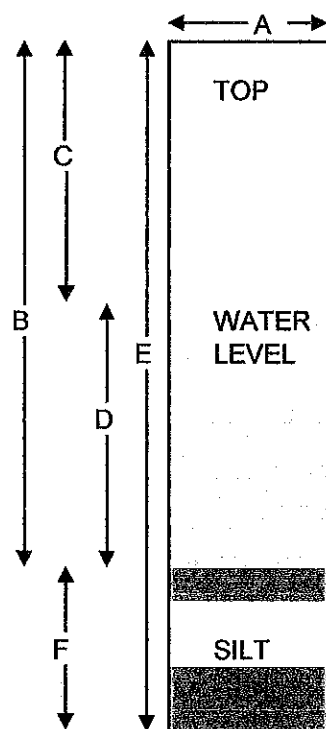
Condition of Well: Good

Locked: Yes

Method of Evacuation: HDPE Bailer (New)

Lock ID: 10G151

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>20.22</u>	feet
C.	Depth to Water	<u>2.5</u>	feet
D.	Length of Water Column (calculated)	<u>18.85</u>	feet
	Conversion Factor	<u>X.16</u>	-----
	Well Volume (calculated)	<u>2.86</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	-----
	Total Volume to be Evacuated	<u>8.6</u>	gallons
	Actual Volume Evacuated	<u>25</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/25/2019</u>	<u>6/26/2019</u>
Time	<u>10:10am</u>	<u>12:04pm</u>
EH	<u>-151</u>	<u>-144</u>
Temperature	<u>15.8</u>	<u>18.6</u>
pH	<u>7.30</u>	<u>7.23</u>
Specific Cond.	<u>952</u>	<u>953</u>
Turbidity	<u>24.0</u>	<u>48.6</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear w/debris</u>	<u>Clear w/debris</u>
Weather:	<u>84degF Clear</u>	
Observations:	<u></u>	

% Recharge:

Initial Depth to Water 2.5 feet

Recharge Depth to Water 4.6 feet

2nd water column height 89 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler: Peter Fricano, Kris Mann
 Cassie Dunbar, Jake Longden

Signature:

Peter Fricano

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client: Larsen Engineering
 Project: Brockport Landfill
 Well ID.: GW-6R

Lab ID No. (enter by lab)

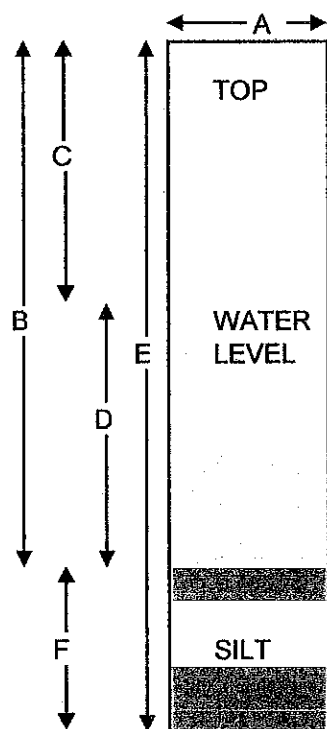
Condition of Well: Good

Locked: Yes

Method of Evacuation: HDPE Bailer (New)

Lock ID: 10G151

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>4"</u>	inches
B.	Well Depth Measured	<u>35.93</u>	feet
C.	Depth to Water	<u>7.6</u>	feet
D.	Length of Water Column (calculated)	<u>28.41</u>	feet
	Conversion Factor	<u>X.65</u>	-----
	Well Volume (calculated)	<u>18.46</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	-----
	Total Volume to be Evacuated	<u>55.4</u>	gallons
	Actual Volume Evacuated	<u>55</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/25/2019</u>	<u>6/26/2019</u>
Time	<u>11:07am</u>	<u>11:01am</u>
EH	<u>-22</u>	<u>-19</u>
Temperature	<u>14.5</u>	<u>14.3</u>
pH	<u>7.18</u>	<u>6.99</u>
Specific Cond.	<u>1176</u>	<u>1720</u>
Turbidity	<u>45.5</u>	<u>109</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear</u>	<u>Lt. Reddish</u>

Weather: 84degF Clear
 Observations: Dissolved Metals

% Recharge:

Initial Depth to Water 7.6 feet

Recharge Depth to Water 7.6 feet

2nd water column height 100 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation=N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler: Peter Fricano, Kris Mann
Cassie Dunbar, Jake Longden

Signature: Peter Fricano

Client: Larsen Engineering
 Project: Brockport Landfill
 Well ID.: GW-9R

Lab ID No. (enter by lab)

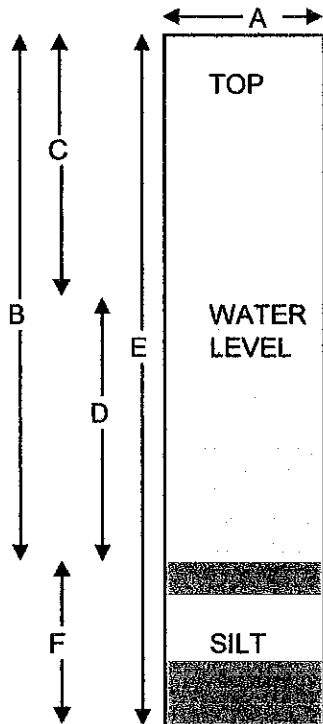
Condition of Well: Good

Locked: Yes

Method of Evacuation: HDPE Bailer (New)

Lock ID: 10G151

Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>18.58</u>	feet
C.	Depth to Water	<u>3.8</u>	feet
D.	Length of Water Column (calculated)	<u>14.78</u>	feet
	Conversion Factor	<u>X.16</u>	-----
	Well Volume (calculated)	<u>2.36</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	-----
	Total Volume to be Evacuated	<u>7.1</u>	gallons
	Actual Volume Evacuated	<u>10</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/25/2019</u>	<u>6/26/2019</u>
Time	<u>1:10pm</u>	<u>12:27pm</u>
EH	<u>-148</u>	<u>-13</u>
Temperature	<u>15.8</u>	<u>13.8</u>
pH	<u>7.22</u>	<u>7.04</u>
Specific Cond.	<u>418</u>	<u>383</u>
Turbidity	<u>107</u>	<u>46</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear</u>	<u>Clear</u>

Weather: 84degF Clear
 Observations: _____

% Recharge:

Initial Depth to Water 3.8 feet

Recharge Depth to Water 4.3 feet

2nd water column height 97 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler: Peter Fricano, Kris Mann
Cassie Dunbar, Jake Longden

Signature: Peter Fricano

July 19, 2019

Pete Fricano
Enalytic, LLC
6034 Corporate Drive
East Syracuse, NY 13057

RE: Project: BROCKPORT LANDFILL 6/26
Pace Project No.: 7095477

Dear Pete Fricano:

Enclosed are the analytical results for sample(s) received by the laboratory on June 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7095477001	GW-1S	Water	06/26/19 11:37	06/27/19 11:05
7095477002	GW-3S	Water	06/26/19 12:04	06/27/19 11:05
7095477003	GW-6R	Water	06/26/19 11:01	06/27/19 11:05
7095477004	GW-9R	Water	06/26/19 12:27	06/27/19 11:05
7095477005	FIELD DUPLICATE	Water	06/26/19 11:01	06/27/19 11:05
7095477006	EQUIPMENT BLANK	Water	06/26/19 11:47	06/27/19 11:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
7095477001	GW-1S	EPA 8270D by SIM	STB	2	PASI-M
7095477002	GW-3S	EPA 8270D by SIM	STB	2	PASI-M
7095477003	GW-6R	EPA 8270D by SIM	STB	2	PASI-M
7095477004	GW-9R	EPA 8270D by SIM	STB	2	PASI-M
7095477005	FIELD DUPLICATE	EPA 8270D by SIM	STB	2	PASI-M
7095477006	EQUIPMENT BLANK	EPA 8270D by SIM	STB	2	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

Sample: GW-1S		Lab ID: 7095477001		Collected: 06/26/19 11:37		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV 14 Dioxane By SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510							
1,4-Dioxane (SIM)		<0.23	ug/L	0.23	1	07/02/19 16:45	07/16/19 21:51	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)		34	%.	30-125	1	07/02/19 16:45	07/16/19 21:51		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

Sample: GW-3S		Lab ID: 7095477002		Collected: 06/26/19 12:04		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV 14 Dioxane By SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510							
1,4-Dioxane (SIM)		<0.23	ug/L	0.23	1	07/02/19 16:45	07/16/19 22:30	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)		39	%.	30-125	1	07/02/19 16:45	07/16/19 22:30		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

Sample: GW-6R		Lab ID: 7095477003		Collected: 06/26/19 11:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV 14 Dioxane By SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510							
1,4-Dioxane (SIM)		22.6	ug/L	0.23	1	07/02/19 16:45	07/16/19 21:12	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)		36	%.	30-125	1	07/02/19 16:45	07/16/19 21:12		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

Sample: GW-9R		Lab ID: 7095477004		Collected: 06/26/19 12:27		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV 14 Dioxane By SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510							
1,4-Dioxane (SIM)		<0.23	ug/L	0.23	1	07/02/19 16:45	07/16/19 22:50	123-91-1	M1
Surrogates									
1,4-Dioxane-d8 (S)		38	%.	30-125	1	07/02/19 16:45	07/16/19 22:50		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

Sample: FIELD DUPLICATE		Lab ID: 7095477005		Collected: 06/26/19 11:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270D MSSV 14 Dioxane By SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510							
1,4-Dioxane (SIM)	19.8	ug/L	0.24	1	07/02/19 16:45	07/16/19 21:31	123-91-1		
Surrogates									
1,4-Dioxane-d8 (S)	39	%.	30-125	1	07/02/19 16:45	07/16/19 21:31			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

Sample: EQUIPMENT BLANK		Lab ID: 7095477006	Collected: 06/26/19 11:47	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV 14 Dioxane By SIM		Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510						
1,4-Dioxane (SIM)	<0.23	ug/L	0.23	1	07/02/19 16:45	07/16/19 22:10	123-91-1	
Surrogates								
1,4-Dioxane-d8 (S)	32	%.	30-125	1	07/02/19 16:45	07/16/19 22:10		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

QC Batch: 617118 Analysis Method: EPA 8270D by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270D Water 14 Dioxane by SIM
Associated Lab Samples: 7095477001, 7095477002, 7095477003, 7095477004, 7095477005, 7095477006

METHOD BLANK: 3333284 Matrix: Water
Associated Lab Samples: 7095477001, 7095477002, 7095477003, 7095477004, 7095477005, 7095477006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (SIM)	ug/L	<0.25	0.25	07/16/19 20:32	
1,4-Dioxane-d8 (S)	%.	39	30-125	07/16/19 20:32	

LABORATORY CONTROL SAMPLE: 3333285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (SIM)	ug/L	10	6.4	64	40-125	
1,4-Dioxane-d8 (S)	%.			41	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3333286 3333287

Parameter	Units	7095477004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (SIM)	ug/L	<0.23	9.1	9.1	6.7	6.1	73	66	70-130	9	30	M1
1,4-Dioxane-d8 (S)	%.						42	42	30-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BROCKPORT LANDFILL 6/26
Pace Project No.: 7095477

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BROCKPORT LANDFILL 6/26

Pace Project No.: 7095477

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7095477001	GW-1S	EPA 3510	617118	EPA 8270D by SIM	620003
7095477002	GW-3S	EPA 3510	617118	EPA 8270D by SIM	620003
7095477003	GW-6R	EPA 3510	617118	EPA 8270D by SIM	620003
7095477004	GW-9R	EPA 3510	617118	EPA 8270D by SIM	620003
7095477005	FIELD DUPLICATE	EPA 3510	617118	EPA 8270D by SIM	620003
7095477006	EQUIPMENT BLANK	EPA 3510	617118	EPA 8270D by SIM	620003

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

WO#: 7095477

PM: JSA Due Date: 07/12/19

CLIENT: ENALYTIC

Client Name:

ENALYTIC

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

7755 7585 6062

Custody Seal on Cooler/Box Present: ☒ Yes ☐ NoSeals intact: ☒ Yes ☐ NoTemperature Blank Present: ☐ Yes ☒ NoPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☒ Ziploc ☐ None ☐ OtherType of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: T1091

Correction Factor: +0.2

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C):

4-8

Cooler Temperature Corrected (°C):

5.0

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 8.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: JT/6/27/19

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☒ NODid samples originate from a foreign source (international including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	11.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL			
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #			Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):			

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-51811-1
Laboratory Sample Delivery Group: 7095477
Client Project/Site: Pace PFAS Testing

For:
Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, New York 11747

Attn: Jennifer Aracri

Cesar C Cortes

Authorized for release by:
7/16/2019 9:50:05 PM

Cesar Cortes, Project Manager I
(916)374-4316
cesar.cortes@testamericainc.com

LINKS

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results through
TotalAccess

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www.testamericainc.com

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

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

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

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Definitions/Glossary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Qualifiers

LCMS

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

Glossary

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

Case Narrative

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Job ID: 320-51811-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Receipt

The samples were received on 6/28/2019 at 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

Method 537 modified

The following samples were brown in color and contained brown particulate: GW-1S (320-51811-1), GW-3S (320-51811-2), GW-6R (320-51811-3) and FIELD DUPLICATE (320-51811-5).

The following samples were yellow in color and contained brown particulate: GW-9R (320-51811-4), GW-9R (320-51811-4[MS]), GW-9R (320-51811-4[MSD]).

The following samples contained non-settable particulates which clogged the solid-phase extraction column: GW-1S (320-51811-1), GW-3S (320-51811-2), GW-6R (320-51811-3) and FIELD DUPLICATE (320-51811-5).

Elevated reporting limits are provided for the following samples due to insufficient volume provided: GW-6R (320-51811-3), GW-9R (320-51811-4) and GW-9R (320-51811-4[MS]).

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

Detection Summary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Client Sample ID: GW-1S

Lab Sample ID: 320-51811-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	0.74	J	2.0	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.44	J B	2.0	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.85	J	2.0	0.54	ng/L	1		537 (modified)	Total/NA

Client Sample ID: GW-3S

Lab Sample ID: 320-51811-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	7.5		2.0	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.8	J	2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.85	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.76	J B	2.0	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.8		2.0	0.54	ng/L	1		537 (modified)	Total/NA
6:2 FTS	6.4	J	20	2.0	ng/L	1		537 (modified)	Total/NA

Client Sample ID: GW-6R

Lab Sample ID: 320-51811-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	40		2.0	0.36	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	12		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid	6.1		2.0	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	27		2.0	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.7	B	2.0	0.17	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.82	J	2.0	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	36		2.0	0.55	ng/L	1		537 (modified)	Total/NA

Client Sample ID: GW-9R

Lab Sample ID: 320-51811-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	23		2.0	0.34	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.2		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.9		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid	2.7		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.1		2.0	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.51	J	2.0	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.28	J	2.0	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.8	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J B	2.0	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.9		2.0	0.53	ng/L	1		537 (modified)	Total/NA

Client Sample ID: FIELD DUPLICATE

Lab Sample ID: 320-51811-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	40		2.0	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	12		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid	5.6		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	26		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.0	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.81	J	2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.9	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.9	B	2.0	0.17	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.96	J	2.0	0.19	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Detection Summary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Client Sample ID: FIELD DUPLICATE (Continued)

Lab Sample ID: 320-51811-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	39		2.0	0.54	ng/L	1		537 (modified)	Total/NA

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 320-51811-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.44	J B	2.0	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.98	J	2.0	0.54	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Client Sample ID: GW-1S

Lab Sample ID: 320-51811-1

Date Collected: 06/26/19 11:37

Matrix: Water

Date Received: 06/28/19 09:30

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	0.74	J	2.0	0.35	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluoroheptanoic acid	ND		2.0	0.25	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.85	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorohexanesulfonic acid (PFHxS)	0.44	J B	2.0	0.17	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorooctanesulfonic acid (PFOS)	0.85	J	2.0	0.54	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		07/02/19 07:30	07/04/19 10:44	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35	ng/L		07/02/19 07:30	07/04/19 10:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1	ng/L		07/02/19 07:30	07/04/19 10:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9	ng/L		07/02/19 07:30	07/04/19 10:44	1
6:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 10:44	1
8:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 10:44	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	77		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C5 PFPeA	84		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C2 PFHxA	82		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C4 PFHpA	83		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C4 PFOA	83		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C5 PFNA	79		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C2 PFDA	82		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C2 PFUnA	64		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C2 PFDoA	59		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C2 PFTeDA	67		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C3 PFBS	80		25 - 150	07/02/19 07:30	07/04/19 10:44	1
18O2 PFHxS	80		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C4 PFOS	77		25 - 150	07/02/19 07:30	07/04/19 10:44	1
13C8 FOSA	70		25 - 150	07/02/19 07:30	07/04/19 10:44	1
d3-NMeFOSAA	71		25 - 150	07/02/19 07:30	07/04/19 10:44	1
d5-NEtFOSAA	66		25 - 150	07/02/19 07:30	07/04/19 10:44	1
M2-6:2 FTS	87		25 - 150	07/02/19 07:30	07/04/19 10:44	1
M2-8:2 FTS	78		25 - 150	07/02/19 07:30	07/04/19 10:44	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Client Sample ID: GW-3S

Lab Sample ID: 320-51811-2

Date Collected: 06/26/19 12:04

Matrix: Water

Date Received: 06/28/19 09:30

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	7.5		2.0	0.35	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.59	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluoroheptanoic acid	ND		2.0	0.25	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorooctanoic acid (PFOA)	1.8 J		2.0	0.86	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorobutanesulfonic acid (PFBS)	0.85 J		2.0	0.20	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorohexanesulfonic acid (PFHxS)	0.76 J B		2.0	0.17	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorooctanesulfonic acid (PFOS)	2.8		2.0	0.54	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		07/02/19 07:30	07/04/19 10:52	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35	ng/L		07/02/19 07:30	07/04/19 10:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1	ng/L		07/02/19 07:30	07/04/19 10:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9	ng/L		07/02/19 07:30	07/04/19 10:52	1
6:2 FTS	6.4 J		20	2.0	ng/L		07/02/19 07:30	07/04/19 10:52	1
8:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 10:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	51		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C5 PFPeA	68		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C2 PFHxA	66		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C4 PFHpA	73		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C4 PFOA	73		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C5 PFNA	78		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C2 PFDA	85		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C2 PFUnA	65		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C2 PFDoA	61		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C2 PFTeDA	66		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C3 PFBS	70		25 - 150	07/02/19 07:30	07/04/19 10:52	1
18O2 PFHxS	74		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C4 PFOS	70		25 - 150	07/02/19 07:30	07/04/19 10:52	1
13C8 FOSA	62		25 - 150	07/02/19 07:30	07/04/19 10:52	1
d3-NMeFOSAA	64		25 - 150	07/02/19 07:30	07/04/19 10:52	1
d5-NEtFOSAA	72		25 - 150	07/02/19 07:30	07/04/19 10:52	1
M2-6:2 FTS	84		25 - 150	07/02/19 07:30	07/04/19 10:52	1
M2-8:2 FTS	96		25 - 150	07/02/19 07:30	07/04/19 10:52	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Client Sample ID: GW-6R

Lab Sample ID: 320-51811-3

Date Collected: 06/26/19 11:01

Matrix: Water

Date Received: 06/28/19 09:30

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	40		2.0	0.36	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.50	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorohexanoic acid (PFHxA)	12		2.0	0.59	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluoroheptanoic acid	6.1		2.0	0.26	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorooctanoic acid (PFOA)	27		2.0	0.87	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.28	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.32	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.56	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.30	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorohexanesulfonic acid (PFHxS)	4.7	B	2.0	0.17	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.82	J	2.0	0.19	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorooctanesulfonic acid (PFOS)	36		2.0	0.55	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.33	ng/L		07/02/19 07:30	07/04/19 11:00	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.36	ng/L		07/02/19 07:30	07/04/19 11:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.2	ng/L		07/02/19 07:30	07/04/19 11:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9	ng/L		07/02/19 07:30	07/04/19 11:00	1
6:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 11:00	1
8:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 11:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	34		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C5 PFPeA	59		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C2 PFHxA	62		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C4 PFHpA	63		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C4 PFOA	71		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C5 PFNA	73		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C2 PFDA	85		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C2 PFUnA	72		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C2 PFDoA	64		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C2 PFTeDA	72		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C3 PFBS	79		25 - 150	07/02/19 07:30	07/04/19 11:00	1
18O2 PFHxS	74		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C4 PFOS	75		25 - 150	07/02/19 07:30	07/04/19 11:00	1
13C8 FOSA	60		25 - 150	07/02/19 07:30	07/04/19 11:00	1
d3-NMeFOSAA	68		25 - 150	07/02/19 07:30	07/04/19 11:00	1
d5-NEtFOSAA	75		25 - 150	07/02/19 07:30	07/04/19 11:00	1
M2-6:2 FTS	111		25 - 150	07/02/19 07:30	07/04/19 11:00	1
M2-8:2 FTS	98		25 - 150	07/02/19 07:30	07/04/19 11:00	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Client Sample ID: GW-9R

Lab Sample ID: 320-51811-4

Date Collected: 06/26/19 12:27

Matrix: Water

Date Received: 06/28/19 09:30

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	23		2.0	0.34	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluoropentanoic acid (PFPeA)	3.2		2.0	0.48	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorohexanoic acid (PFHxA)	2.9		2.0	0.57	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluoroheptanoic acid	2.7		2.0	0.25	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorooctanoic acid (PFOA)	5.1		2.0	0.83	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorononanoic acid (PFNA)	0.51	J	2.0	0.26	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.30	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorotetradecanoic acid (PFTeA)	0.28	J	2.0	0.28	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorobutanesulfonic acid (PFBS)	1.8	J	2.0	0.20	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorohexanesulfonic acid (PFHxS)	1.2	J B	2.0	0.17	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorooctanesulfonic acid (PFOS)	2.9		2.0	0.53	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.31	ng/L		07/02/19 07:30	07/04/19 11:16	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.34	ng/L		07/02/19 07:30	07/04/19 11:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.0	ng/L		07/02/19 07:30	07/04/19 11:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9	ng/L		07/02/19 07:30	07/04/19 11:16	1
6:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 11:16	1
8:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 11:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	46		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C5 PFPeA	77		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C2 PFHxA	79		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C4 PFHpA	88		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C4 PFOA	95		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C5 PFNA	96		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C2 PFDA	106		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C2 PFUnA	100		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C2 PFDoA	96		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C2 PFTeDA	100		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C3 PFBS	91		25 - 150	07/02/19 07:30	07/04/19 11:16	1
18O2 PFHxS	90		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C4 PFOS	96		25 - 150	07/02/19 07:30	07/04/19 11:16	1
13C8 FOSA	86		25 - 150	07/02/19 07:30	07/04/19 11:16	1
d3-NMeFOSAA	91		25 - 150	07/02/19 07:30	07/04/19 11:16	1
d5-NEtFOSAA	100		25 - 150	07/02/19 07:30	07/04/19 11:16	1
M2-6:2 FTS	116		25 - 150	07/02/19 07:30	07/04/19 11:16	1
M2-8:2 FTS	134		25 - 150	07/02/19 07:30	07/04/19 11:16	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Client Sample ID: FIELD DUPLICATE

Lab Sample ID: 320-51811-5

Date Collected: 06/26/19 11:01

Matrix: Water

Date Received: 06/28/19 09:30

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	40		2.0	0.35	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorohexanoic acid (PFHxA)	12		2.0	0.58	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluoroheptanoic acid	5.6		2.0	0.25	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorooctanoic acid (PFOA)	26		2.0	0.85	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorononanoic acid (PFNA)	1.0 J		2.0	0.27	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorodecanoic acid (PFDA)	0.81 J		2.0	0.31	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorobutanesulfonic acid (PFBS)	1.9 J		2.0	0.20	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorohexanesulfonic acid (PFHxS)	4.9 B		2.0	0.17	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.96 J		2.0	0.19	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorooctanesulfonic acid (PFOS)	39		2.0	0.54	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		07/02/19 07:30	07/04/19 11:32	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35	ng/L		07/02/19 07:30	07/04/19 11:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1	ng/L		07/02/19 07:30	07/04/19 11:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9	ng/L		07/02/19 07:30	07/04/19 11:32	1
6:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 11:32	1
8:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 11:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	41		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C5 PFPeA	74		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C2 PFHxA	75		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C4 PFHpA	79		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C4 PFOA	87		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C5 PFNA	93		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C2 PFDA	106		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C2 PFUnA	86		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C2 PFDoA	76		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C2 PFTeDA	86		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C3 PFBS	91		25 - 150	07/02/19 07:30	07/04/19 11:32	1
18O2 PFHxS	87		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C4 PFOS	87		25 - 150	07/02/19 07:30	07/04/19 11:32	1
13C8 FOSA	73		25 - 150	07/02/19 07:30	07/04/19 11:32	1
d3-NMeFOSAA	85		25 - 150	07/02/19 07:30	07/04/19 11:32	1
d5-NEtFOSAA	89		25 - 150	07/02/19 07:30	07/04/19 11:32	1
M2-6:2 FTS	138		25 - 150	07/02/19 07:30	07/04/19 11:32	1
M2-8:2 FTS	121		25 - 150	07/02/19 07:30	07/04/19 11:32	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 320-51811-6

Date Collected: 06/26/19 11:47

Matrix: Water

Date Received: 06/28/19 09:30

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		2.0	0.35	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluoroheptanoic acid	ND		2.0	0.25	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.85	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorohexanesulfonic acid (PFHxS)	0.44	J B	2.0	0.17	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorooctanesulfonic acid (PFOS)	0.98	J	2.0	0.54	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		07/02/19 07:30	07/04/19 11:40	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35	ng/L		07/02/19 07:30	07/04/19 11:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1	ng/L		07/02/19 07:30	07/04/19 11:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9	ng/L		07/02/19 07:30	07/04/19 11:40	1
6:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 11:40	1
8:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 11:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	77		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C5 PFPeA	82		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C2 PFHxA	77		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C4 PFHpA	80		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C4 PFOA	84		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C5 PFNA	81		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C2 PFDA	93		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C2 PFUnA	83		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C2 PFDoA	80		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C2 PFTeDA	94		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C3 PFBS	80		25 - 150	07/02/19 07:30	07/04/19 11:40	1
18O2 PFHxS	82		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C4 PFOS	79		25 - 150	07/02/19 07:30	07/04/19 11:40	1
13C8 FOSA	67		25 - 150	07/02/19 07:30	07/04/19 11:40	1
d3-NMeFOSAA	78		25 - 150	07/02/19 07:30	07/04/19 11:40	1
d5-NEtFOSAA	80		25 - 150	07/02/19 07:30	07/04/19 11:40	1
M2-6:2 FTS	79		25 - 150	07/02/19 07:30	07/04/19 11:40	1
M2-8:2 FTS	106		25 - 150	07/02/19 07:30	07/04/19 11:40	1

Eurofins TestAmerica, Sacramento

Isotope Dilution Summary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	PFHpA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-51811-1	GW-1S	77	84	82	83	83	79	82	64
320-51811-2	GW-3S	51	68	66	73	73	78	85	65
320-51811-3	GW-6R	34	59	62	63	71	73	85	72
320-51811-4	GW-9R	46	77	79	88	95	96	106	100
320-51811-4 MS	GW-9R	39	63	66	71	73	72	88	74
320-51811-4 MSD	GW-9R	46	73	75	80	86	86	101	86
320-51811-5	FIELD DUPLICATE	41	74	75	79	87	93	106	86
320-51811-6	EQUIPMENT BLANK	77	82	77	80	84	81	93	83
LCS 320-305096/2-A	Lab Control Sample	83	90	86	85	86	89	92	91
MB 320-305096/1-A	Method Blank	86	87	88	89	90	87	96	93

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDaA (25-150)	PFTDA (25-150)	3C3-PFB (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	-NMeFOS/ (25-150)	-NEtFOS/ (25-150)
320-51811-1	GW-1S	59	67	80	80	77	70	71	66
320-51811-2	GW-3S	61	66	70	74	70	62	64	72
320-51811-3	GW-6R	64	72	79	74	75	60	68	75
320-51811-4	GW-9R	96	100	91	90	96	86	91	100
320-51811-4 MS	GW-9R	75	84	78	76	86	70	75	80
320-51811-4 MSD	GW-9R	88	95	82	86	91	77	91	94
320-51811-5	FIELD DUPLICATE	76	86	91	87	87	73	85	89
320-51811-6	EQUIPMENT BLANK	80	94	80	82	79	67	78	80
LCS 320-305096/2-A	Lab Control Sample	89	101	90	85	90	78	85	89
MB 320-305096/1-A	Method Blank	94	107	87	86	88	75	83	89

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
320-51811-1	GW-1S	87	78
320-51811-2	GW-3S	84	96
320-51811-3	GW-6R	111	98
320-51811-4	GW-9R	116	134
320-51811-4 MS	GW-9R	87	100
320-51811-4 MSD	GW-9R	103	122
320-51811-5	FIELD DUPLICATE	138	121
320-51811-6	EQUIPMENT BLANK	79	106
LCS 320-305096/2-A	Lab Control Sample	83	82
MB 320-305096/1-A	Method Blank	86	92

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
PFHpA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDaA = 13C2 PFDaA
PFTDA = 13C2 PFTeDA
13C3-PFBS = 13C3 PFBS

Eurofins TestAmerica, Sacramento

Isotope Dilution Summary

Client: Pace Analytical Services, LLC

Project/Site: Pace PFAS Testing

PFHxS = 18O2 PFHxS

PFOS = 13C4 PFOS

PFOSA = 13C8 FOSA

d3-NMeFOSAA = d3-NMeFOSAA

d5-NEtFOSAA = d5-NEtFOSAA

M262FTS = M2-6:2 FTS

M282FTS = M2-8:2 FTS

Job ID: 320-51811-1

SDG: 7095477

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QC Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-305096/1-A

Matrix: Water

Analysis Batch: 305698

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 305096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		2.0	0.35	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluoroheptanoic acid	ND		2.0	0.25	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.85	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorohexanesulfonic acid (PFHxS)	0.319	J	2.0	0.17	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		07/02/19 07:30	07/04/19 10:28	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35	ng/L		07/02/19 07:30	07/04/19 10:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1	ng/L		07/02/19 07:30	07/04/19 10:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9	ng/L		07/02/19 07:30	07/04/19 10:28	1
6:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 10:28	1
8:2 FTS	ND		20	2.0	ng/L		07/02/19 07:30	07/04/19 10:28	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C5 PFPeA	87		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C2 PFHxA	88		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C4 PFHpA	89		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C4 PFOA	90		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C5 PFNA	87		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C2 PFDA	96		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C2 PFUnA	93		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C2 PFDoA	94		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C2 PFTeDA	107		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C3 PFBS	87		25 - 150	07/02/19 07:30	07/04/19 10:28	1
18O2 PFHxS	86		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C4 PFOS	88		25 - 150	07/02/19 07:30	07/04/19 10:28	1
13C8 FOSA	75		25 - 150	07/02/19 07:30	07/04/19 10:28	1
d3-NMeFOSAA	83		25 - 150	07/02/19 07:30	07/04/19 10:28	1
d5-NEtFOSAA	89		25 - 150	07/02/19 07:30	07/04/19 10:28	1
M2-6:2 FTS	86		25 - 150	07/02/19 07:30	07/04/19 10:28	1
M2-8:2 FTS	92		25 - 150	07/02/19 07:30	07/04/19 10:28	1

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-305096/2-A

Matrix: Water

Analysis Batch: 305698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 305096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid	40.0	42.0		ng/L		105	70 - 130
Perfluoropentanoic acid (PFPeA)	40.0	36.9		ng/L		92	66 - 126
Perfluorohexanoic acid (PFHxA)	40.0	38.9		ng/L		97	66 - 126
Perfluoroheptanoic acid	40.0	39.6		ng/L		99	66 - 126
Perfluorooctanoic acid (PFOA)	40.0	38.3		ng/L		96	64 - 124
Perfluorononanoic acid (PFNA)	40.0	40.5		ng/L		101	68 - 128
Perfluorodecanoic acid (PFDA)	40.0	36.5		ng/L		91	69 - 129
Perfluoroundecanoic acid (PFUnA)	40.0	35.2		ng/L		88	60 - 120
Perfluorododecanoic acid (PFDoA)	40.0	38.1		ng/L		95	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	40.0		ng/L		100	72 - 132
Perfluorotetradecanoic acid (PFTeA)	40.0	37.8		ng/L		95	68 - 128
Perfluorobutanesulfonic acid (PFBS)	35.4	34.5		ng/L		98	73 - 133
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.9		ng/L		96	63 - 123
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	37.9		ng/L		100	68 - 128
Perfluorooctanesulfonic acid (PFOS)	37.1	34.7		ng/L		94	67 - 127
Perfluorodecanesulfonic acid (PFDS)	38.6	36.6		ng/L		95	68 - 128
Perfluorooctanesulfonamide (FOSA)	40.0	41.8		ng/L		104	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.7		ng/L		97	67 - 127
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	42.2		ng/L		106	65 - 125
6:2 FTS	37.9	38.1		ng/L		100	66 - 126
8:2 FTS	38.3	41.7		ng/L		109	67 - 127

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	83		25 - 150
13C5 PFPeA	90		25 - 150
13C2 PFHxA	86		25 - 150
13C4 PFHpA	85		25 - 150
13C4 PFOA	86		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	92		25 - 150
13C2 PFUnA	91		25 - 150
13C2 PFDoA	89		25 - 150
13C2 PFTeDA	101		25 - 150
13C3 PFBS	90		25 - 150
18O2 PFHxS	85		25 - 150
13C4 PFOS	90		25 - 150
13C8 FOSA	78		25 - 150
d3-NMeFOSAA	85		25 - 150
d5-NEtFOSAA	89		25 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-305096/2-A

Matrix: Water

Analysis Batch: 305698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 305096

<i>Isotope Dilution</i>	<i>LCS %Recovery</i>	<i>LCS Qualifier</i>	<i>Limits</i>
M2-6:2 FTS	83		25 - 150
M2-8:2 FTS	82		25 - 150

Lab Sample ID: 320-51811-4 MS

Matrix: Water

Analysis Batch: 305698

Client Sample ID: GW-9R

Prep Type: Total/NA

Prep Batch: 305096

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS Result</i>	<i>MS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
Perfluorobutanoic acid	23		41.3	65.6		ng/L		103	70 - 130
Perfluoropentanoic acid (PFPeA)	3.2		41.3	41.6		ng/L		93	66 - 126
Perfluorohexanoic acid (PFHxA)	2.9		41.3	43.9		ng/L		99	66 - 126
Perfluoroheptanoic acid	2.7		41.3	40.9		ng/L		93	66 - 126
Perfluorooctanoic acid (PFOA)	5.1		41.3	43.7		ng/L		93	64 - 124
Perfluorononanoic acid (PFNA)	0.51	J	41.3	43.8		ng/L		105	68 - 128
Perfluorodecanoic acid (PFDA)	ND		41.3	39.2		ng/L		95	69 - 129
Perfluoroundecanoic acid (PFUnA)	ND		41.3	39.3		ng/L		95	60 - 120
Perfluorododecanoic acid (PFDoA)	ND		41.3	41.3		ng/L		100	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		41.3	44.5		ng/L		108	72 - 132
Perfluorotetradecanoic acid (PFTeA)	0.28	J	41.3	38.8		ng/L		93	68 - 128
Perfluorobutanesulfonic acid (PFBS)	1.8	J	36.5	38.5		ng/L		100	73 - 133
Perfluorohexanesulfonic acid (PFHxS)	1.2	J B	37.6	37.2		ng/L		96	63 - 123
Perfluoroheptanesulfonic Acid (PFHpS)	ND		39.3	38.1		ng/L		97	68 - 128
Perfluorooctanesulfonic acid (PFOS)	2.9		38.3	38.1		ng/L		92	67 - 127
Perfluorodecanesulfonic acid (PFDS)	ND		39.8	37.4		ng/L		94	68 - 128
Perfluorooctanesulfonamide (FOSA)	ND		41.3	43.8		ng/L		106	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		41.3	41.3		ng/L		100	67 - 127
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		41.3	40.4		ng/L		98	65 - 125
6:2 FTS	ND		39.2	38.8		ng/L		99	66 - 126
8:2 FTS	ND		39.6	40.0		ng/L		101	67 - 127

<i>Isotope Dilution</i>	<i>MS %Recovery</i>	<i>MS Qualifier</i>	<i>Limits</i>
13C4 PFBA	39		25 - 150
13C5 PFPeA	63		25 - 150
13C2 PFHxA	66		25 - 150
13C4 PFHpA	71		25 - 150
13C4 PFOA	73		25 - 150
13C5 PFNA	72		25 - 150
13C2 PFDA	88		25 - 150
13C2 PFUnA	74		25 - 150
13C2 PFDoA	75		25 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 320-51811-4 MS

Matrix: Water

Analysis Batch: 305698

Client Sample ID: GW-9R

Prep Type: Total/NA

Prep Batch: 305096

<i>Isotope Dilution</i>	<i>MS</i> %Recovery	<i>MS</i> Qualifier	<i>Limits</i>
13C2 PFTeDA	84		25 - 150
13C3 PFBS	78		25 - 150
18O2 PFHxS	76		25 - 150
13C4 PFOS	86		25 - 150
13C8 FOSA	70		25 - 150
d3-NMeFOSAA	75		25 - 150
d5-NEtFOSAA	80		25 - 150
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	100		25 - 150

Lab Sample ID: 320-51811-4 MSD

Matrix: Water

Analysis Batch: 305698

Client Sample ID: GW-9R

Prep Type: Total/NA

Prep Batch: 305096

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Perfluorobutanoic acid	23		40.7	63.5		ng/L		100	70 - 130	3	30
Perfluoropentanoic acid (PFPeA)	3.2		40.7	40.8		ng/L		93	66 - 126	2	30
Perfluorohexanoic acid (PFHxA)	2.9		40.7	44.8		ng/L		103	66 - 126	2	30
Perfluoroheptanoic acid	2.7		40.7	42.8		ng/L		99	66 - 126	5	30
Perfluorooctanoic acid (PFOA)	5.1		40.7	45.5		ng/L		99	64 - 124	4	30
Perfluorononanoic acid (PFNA)	0.51	J	40.7	43.5		ng/L		106	68 - 128	1	30
Perfluorodecanoic acid (PFDA)	ND		40.7	38.4		ng/L		94	69 - 129	2	30
Perfluoroundecanoic acid (PFUnA)	ND		40.7	39.1		ng/L		96	60 - 120	0	30
Perfluorododecanoic acid (PFDoA)	ND		40.7	39.6		ng/L		97	71 - 131	4	30
Perfluorotridecanoic acid (PFTriA)	ND		40.7	39.2		ng/L		96	72 - 132	13	30
Perfluorotetradecanoic acid (PFTeA)	0.28	J	40.7	38.7		ng/L		94	68 - 128	0	30
Perfluorobutanesulfonic acid (PFBS)	1.8	J	35.9	38.0		ng/L		100	73 - 133	1	30
Perfluorohexanesulfonic acid (PFHxS)	1.2	J B	37.0	35.8		ng/L		93	63 - 123	4	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		38.7	39.4		ng/L		102	68 - 128	3	30
Perfluorooctanesulfonic acid (PFOS)	2.9		37.7	37.6		ng/L		92	67 - 127	1	30
Perfluorodecanesulfonic acid (PFDS)	ND		39.2	36.2		ng/L		92	68 - 128	3	30
Perfluorooctanesulfonamide (FOSA)	ND		40.7	43.5		ng/L		107	70 - 130	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		40.7	39.4		ng/L		97	67 - 127	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		40.7	42.3		ng/L		104	65 - 125	4	30
6:2 FTS	ND		38.6	37.9		ng/L		98	66 - 126	2	30
8:2 FTS	ND		39.0	39.8		ng/L		102	67 - 127	1	30
	MSD	MSD									
Isotope Dilution	%Recovery	Qualifier	Limits								
13C4 PFBA	46		25 - 150								
13C5 PFPeA	73		25 - 150								

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 320-51811-4 MSD

Matrix: Water

Analysis Batch: 305698

Client Sample ID: GW-9R

Prep Type: Total/NA

Prep Batch: 305096

<i>Isotope Dilution</i>	<i>MSD %Recovery</i>	<i>MSD Qualifier</i>	<i>Limits</i>
13C2 PFHxA	75		25 - 150
13C4 PFHpA	80		25 - 150
13C4 PFOA	86		25 - 150
13C5 PFNA	86		25 - 150
13C2 PFDA	101		25 - 150
13C2 PFUnA	86		25 - 150
13C2 PFDoA	88		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	82		25 - 150
18O2 PFHxS	86		25 - 150
13C4 PFOS	91		25 - 150
13C8 FOSA	77		25 - 150
d3-NMeFOSAA	91		25 - 150
d5-NEtFOSAA	94		25 - 150
M2-6:2 FTS	103		25 - 150
M2-8:2 FTS	122		25 - 150

QC Association Summary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

LCMS

Prep Batch: 305096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-51811-1	GW-1S	Total/NA	Water	3535	
320-51811-2	GW-3S	Total/NA	Water	3535	
320-51811-3	GW-6R	Total/NA	Water	3535	
320-51811-4	GW-9R	Total/NA	Water	3535	
320-51811-5	FIELD DUPLICATE	Total/NA	Water	3535	
320-51811-6	EQUIPMENT BLANK	Total/NA	Water	3535	
MB 320-305096/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-305096/2-A	Lab Control Sample	Total/NA	Water	3535	
320-51811-4 MS	GW-9R	Total/NA	Water	3535	
320-51811-4 MSD	GW-9R	Total/NA	Water	3535	

Analysis Batch: 305698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-51811-1	GW-1S	Total/NA	Water	537 (modified)	305096
320-51811-2	GW-3S	Total/NA	Water	537 (modified)	305096
320-51811-3	GW-6R	Total/NA	Water	537 (modified)	305096
320-51811-4	GW-9R	Total/NA	Water	537 (modified)	305096
320-51811-5	FIELD DUPLICATE	Total/NA	Water	537 (modified)	305096
320-51811-6	EQUIPMENT BLANK	Total/NA	Water	537 (modified)	305096
MB 320-305096/1-A	Method Blank	Total/NA	Water	537 (modified)	305096
LCS 320-305096/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	305096
320-51811-4 MS	GW-9R	Total/NA	Water	537 (modified)	305096
320-51811-4 MSD	GW-9R	Total/NA	Water	537 (modified)	305096

Lab Chronicle

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Client Sample ID: GW-1S

Date Collected: 06/26/19 11:37

Date Received: 06/28/19 09:30

Lab Sample ID: 320-51811-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			249.8 mL	10.0 mL	305096	07/02/19 07:30	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			305698	07/04/19 10:44	JRB	TAL SAC

Client Sample ID: GW-3S

Date Collected: 06/26/19 12:04

Date Received: 06/28/19 09:30

Lab Sample ID: 320-51811-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			247.8 mL	10.0 mL	305096	07/02/19 07:30	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			305698	07/04/19 10:52	JRB	TAL SAC

Client Sample ID: GW-6R

Date Collected: 06/26/19 11:01

Date Received: 06/28/19 09:30

Lab Sample ID: 320-51811-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			244.5 mL	10.0 mL	305096	07/02/19 07:30	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			305698	07/04/19 11:00	JRB	TAL SAC

Client Sample ID: GW-9R

Date Collected: 06/26/19 12:27

Date Received: 06/28/19 09:30

Lab Sample ID: 320-51811-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255 mL	10.0 mL	305096	07/02/19 07:30	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			305698	07/04/19 11:16	JRB	TAL SAC

Client Sample ID: FIELD DUPLICATE

Date Collected: 06/26/19 11:01

Date Received: 06/28/19 09:30

Lab Sample ID: 320-51811-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			248.7 mL	10.0 mL	305096	07/02/19 07:30	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			305698	07/04/19 11:32	JRB	TAL SAC

Client Sample ID: EQUIPMENT BLANK

Date Collected: 06/26/19 11:47

Date Received: 06/28/19 09:30

Lab Sample ID: 320-51811-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250.7 mL	10.0 mL	305096	07/02/19 07:30	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			305698	07/04/19 11:40	JRB	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Eurofins TestAmerica, Sacramento

Accreditation/Certification Summary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11666	04-01-20

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

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	3535	Water	6:2 FTS
537 (modified)	3535	Water	8:2 FTS
537 (modified)	3535	Water	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	3535	Water	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	3535	Water	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	3535	Water	Perfluorobutanoic acid
537 (modified)	3535	Water	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	3535	Water	Perfluorodecanoic acid (PFDA)
537 (modified)	3535	Water	Perfluorododecanoic acid (PFDoA)
537 (modified)	3535	Water	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	3535	Water	Perfluoroheptanoic acid
537 (modified)	3535	Water	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	3535	Water	Perfluorohexanoic acid (PFHxA)
537 (modified)	3535	Water	Perfluorononanoic acid (PFNA)
537 (modified)	3535	Water	Perfluorooctanesulfonamide (FOSA)
537 (modified)	3535	Water	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	3535	Water	Perfluorooctanoic acid (PFOA)
537 (modified)	3535	Water	Perfluoropentanoic acid (PFPeA)
537 (modified)	3535	Water	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	3535	Water	Perfluorotridecanoic acid (PFTriA)
537 (modified)	3535	Water	Perfluoroundecanoic acid (PFUnA)

Method Summary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-51811-1	GW-1S	Water	06/26/19 11:37	06/28/19 09:30	
320-51811-2	GW-3S	Water	06/26/19 12:04	06/28/19 09:30	
320-51811-3	GW-6R	Water	06/26/19 11:01	06/28/19 09:30	
320-51811-4	GW-9R	Water	06/26/19 12:27	06/28/19 09:30	
320-51811-5	FIELD DUPLICATE	Water	06/26/19 11:01	06/28/19 09:30	
320-51811-6	EQUIPMENT BLANK	Water	06/26/19 11:47	06/28/19 09:30	

Chain of Custody

PASI New York Laboratory



Workorder: 7095477

Workorder Name: BROCKPORT LANDFILL 6/26

Report / Invoice To

Jennifer Aracri
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040
Email: jennifer.aracri@pacelabs.com

TA Eurofins-Sacramento
880 Riverside Pkwy
West Sacramento, CA 95605

Subcontract To

Requested Analysis



320-51811 Chain of Custody

State of Sample Origin: NY

Preserved Containers

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Unpreserved	Preserved	PFAS by 537M	LAB USE ONLY
1	GW-1S	6/26/2019 11:37	7095477001	Water	2		X	
2	GW-3S	6/26/2019 12:04	7095477002	Water	2		X	
3	GW-6R	6/26/2019 11:01	7095477003	Water	2		X	
4	GW-9R	6/26/2019 12:27	7095477004	Water	6		X	
5	FIELD DUPLICATE	6/26/2019 11:01	7095477005	Water	2		X	
6	EQUIPMENT BLANK	6/26/2019 11:47	7095477006	Water	2		X	

*ms/MSD sample *

Comments

Need a Category B package w/NY EQUIS EDDs

Transfers	Released By	Date/Time	Received By	Date/Time
1	Jennifer Aracri	6/27/19 18:00	ETA-SAC	6/28/19 930
2				
3				

Cooler Temperature on Receipt	2.6 °C	Custody Seal	Y or N	Received on Ice	Y or N	Samples Intact	Y or N

2.6°C
MAN 6/28/19

Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 320-51811-1

SDG Number: 7095477

Login Number: 51811

List Number: 1

Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

July 26, 2019

Pete Fricano
Enalytic, LLC
6034 Corporate Drive
East Syracuse, NY 13057

RE: Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Dear Pete Fricano:

Enclosed are the analytical results for sample(s) received by the laboratory on June 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 6010C

Description: 6010 MET ICP

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121065

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 576051)
 - Calcium
 - Sodium

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 6010C

Description: 6010 MET ICP, Dissolved

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

3 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

15 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120782

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 574898)
 - 2-Butanone (MEK)
- GW-1S (Lab ID: 7095441014)
 - 2-Butanone (MEK)
- GW-2S (Lab ID: 7095441015)
 - 2-Butanone (MEK)
- GW-3R (Lab ID: 7095441017)
 - 2-Butanone (MEK)
- GW-3S (Lab ID: 7095441016)
 - 2-Butanone (MEK)
- GW-4R (Lab ID: 7095441018)
 - 2-Butanone (MEK)
- GW-5R (Lab ID: 7095441020)
 - 2-Butanone (MEK)
- GW-5S (Lab ID: 7095441019)
 - 2-Butanone (MEK)
- GW-6R (Lab ID: 7095441022)
 - 2-Butanone (MEK)
- GW-6S (Lab ID: 7095441021)
 - 2-Butanone (MEK)
- GW-7R (Lab ID: 7095441024)
 - 2-Butanone (MEK)
- GW-7S (Lab ID: 7095441023)
 - 2-Butanone (MEK)
- GW-9R (Lab ID: 7095441025)
 - 2-Butanone (MEK)
- GW-X (Lab ID: 7095441026)
 - 2-Butanone (MEK)
- LCS (Lab ID: 574899)
 - 2-Butanone (MEK)
- MS (Lab ID: 574949)
 - 2-Butanone (MEK)
- MSD (Lab ID: 574950)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Enalytic, LLC

Date: July 26, 2019

QC Batch: 120782

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- 2-Butanone (MEK)
- STORAGE BLANK (Lab ID: 7095441028)
 - 2-Butanone (MEK)
- TRIP BLANK (Lab ID: 7095441027)
 - 2-Butanone (MEK)

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120782

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- GW-7R (Lab ID: 7095441024)
 - Acetone
- GW-X (Lab ID: 7095441026)
 - Acetone
- LCS (Lab ID: 574899)
 - Acetone
 - trans-1,3-Dichloropropene
- MS (Lab ID: 574949)
 - Acetone
 - trans-1,3-Dichloropropene
- MSD (Lab ID: 574950)
 - Acetone
 - trans-1,3-Dichloropropene

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 574898)
 - Bromoform
- GW-1S (Lab ID: 7095441014)
 - Bromoform
- GW-2S (Lab ID: 7095441015)
 - Bromoform
- GW-3R (Lab ID: 7095441017)
 - Bromoform
- GW-3S (Lab ID: 7095441016)
 - Bromoform
- GW-4R (Lab ID: 7095441018)
 - Bromoform
- GW-5R (Lab ID: 7095441020)
 - Bromoform
- GW-5S (Lab ID: 7095441019)
 - Bromoform
- GW-6R (Lab ID: 7095441022)
 - Bromoform

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Enalytic, LLC

Date: July 26, 2019

QC Batch: 120782

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- GW-6S (Lab ID: 7095441021)
 - Bromoform
- GW-7R (Lab ID: 7095441024)
 - Bromoform
- GW-7S (Lab ID: 7095441023)
 - Bromoform
- GW-9R (Lab ID: 7095441025)
 - Bromoform
- GW-X (Lab ID: 7095441026)
 - Bromoform
- LCS (Lab ID: 574899)
 - Bromoform
- MS (Lab ID: 574949)
 - Bromoform
- MSD (Lab ID: 574950)
 - Bromoform
- STORAGE BLANK (Lab ID: 7095441028)
 - Bromoform
- TRIP BLANK (Lab ID: 7095441027)
 - Bromoform

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 120782

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 574899)
 - trans-1,3-Dichloropropene

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 574899)
 - Bromoform

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Enalytic, LLC

Date: July 26, 2019

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 120782

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441022

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 574949)
 - trans-1,3-Dichloropropene
- MSD (Lab ID: 574950)
 - trans-1,3-Dichloropropene

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 574949)
 - 1,1,1-Trichloroethane
 - Bromodichloromethane
- MSD (Lab ID: 574950)
 - 1,1,1-Trichloroethane
 - Bromodichloromethane
 - Carbon tetrachloride
 - cis-1,3-Dichloropropene

R1: RPD value was outside control limits.

- MSD (Lab ID: 574950)
 - Iodomethane

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: SM22 2320B

Description: 2320B Alkalinity

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

11 samples were analyzed for SM22 2320B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 120959

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 575760)
- Alkalinity, Total as CaCO₃

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: SM22 2320B

Description: 2320B Alkalinity

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

2 samples were analyzed for SM22 2320B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121116

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7096405001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 576690)
- Alkalinity, Total as CaCO₃

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: SM22 2340C

Description: 2340C Hardness, Total

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

13 samples were analyzed for SM22 2340C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: SM22 2540C

Description: 2540C Total Dissolved Solids

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

13 samples were analyzed for SM22 2540C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 410.4

Description: 410.4 COD

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 410.4. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 410.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 351.2
Description: 351.2 Total Kjeldahl Nitrogen
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 351.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 351.2 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121362

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095339001,7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 577928)
 - Nitrogen, Kjeldahl, Total
- MS (Lab ID: 577930)
 - Nitrogen, Kjeldahl, Total

QC Batch: 121363

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095483001,7095502007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 577934)
 - Nitrogen, Kjeldahl, Total
- MS (Lab ID: 577936)
 - Nitrogen, Kjeldahl, Total

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ unpres

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 119806

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009,7095480001

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 569383)
- Nitrate-Nitrite (as N)

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 119801

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009,7095502007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 569325)
- Nitrite as N

QC Batch: 119800

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095474001,7095480001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 569319)
 - Nitrite as N
- MS (Lab ID: 569321)
 - Nitrite as N

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: SM22 4500 NH3 H

Description: 4500 Ammonia Water

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

13 samples were analyzed for SM22 4500 NH3 H. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Method: EPA 9060A

Description: 9060A TOC as NPOC

Client: Enalytic, LLC

Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 9060A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 120232

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 571636)
- Total Organic Carbon

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441001		Collected: 06/26/19 11:37		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.41	Std. Units		1		06/26/19 11:37			
Field Temperature	19.3	deg C		1		06/26/19 11:37			
Field Specific Conductance	628	umhos/cm		1		06/26/19 11:37			
REDOX	56	mV		1		06/26/19 11:37			
Field Turbidity	163	NTU		1		06/26/19 11:37			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:34	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:34	7440-38-2		
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:34	7440-39-3		
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:34	7440-42-8		
Calcium	106000	ug/L	200	1	07/09/19 10:00	07/10/19 21:34	7440-70-2		
Iron	3880	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:34	7439-89-6		
Magnesium	22100	ug/L	200	1	07/09/19 10:00	07/10/19 21:34	7439-95-4		
Manganese	121	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:34	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:34	7440-09-7		
Sodium	5600	ug/L	5000	1	07/09/19 10:00	07/10/19 21:34	7440-23-5		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C							
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/03/19 14:04	7440-36-0		
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/03/19 14:04	7440-38-2		
Barium, Dissolved	<200	ug/L	200	1		07/03/19 14:04	7440-39-3		
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/03/19 14:04	7440-43-9		
Iron, Dissolved	106	ug/L	20.0	1		07/03/19 14:04	7439-89-6		
Magnesium, Dissolved	19400	ug/L	200	1		07/03/19 14:04	7439-95-4		
Manganese, Dissolved	12.7	ug/L	10.0	1		07/03/19 14:04	7439-96-5		
Potassium, Dissolved	<5000	ug/L	5000	1		07/03/19 14:04	7440-09-7		
Sodium, Dissolved	5010	ug/L	5000	1		07/03/19 14:04	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	325	mg/L	1.0	1		07/09/19 00:20			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	280	mg/L	5.0	1		07/11/19 17:19			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	350	mg/L	20.0	1		07/01/19 09:49			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:05			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	3.2	mg/L	2.0	1		07/09/19 23:55	16887-00-6		
Sulfate	30.4	mg/L	5.0	1		07/09/19 23:55	14808-79-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441001		Collected: 06/26/19 11:37		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	0.18	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:54	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.18	mg/L	0.050	1		06/27/19 22:08	14797-55-8		
Nitrate-Nitrite (as N)	0.18	mg/L	0.050	1		06/27/19 22:08	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:54	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:42	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 18:51	7440-44-0	D6	
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 18:51	7440-44-0		
Total Organic Carbon	3.9	mg/L	1.0	1		07/02/19 18:51	7440-44-0	D6	
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 18:51	7440-44-0		
Mean Total Organic Carbon	3.0	mg/L	1.0	1		07/02/19 18:51	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441002		Collected: 06/26/19 12:26		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	6.56	Std. Units		1		06/26/19 12:26			
Field Temperature	21.1	deg C		1		06/26/19 12:26			
Field Specific Conductance	380	umhos/cm		1		06/26/19 12:26			
REDOX	-133	mV		1		06/26/19 12:26			
Field Turbidity	15.2	NTU		1		06/26/19 12:26			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:39	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:39	7440-38-2		
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:39	7440-39-3		
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:39	7440-42-8		
Calcium	70700	ug/L	200	1	07/09/19 10:00	07/10/19 21:39	7440-70-2		
Iron	2720	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:39	7439-89-6		
Magnesium	8470	ug/L	200	1	07/09/19 10:00	07/10/19 21:39	7439-95-4		
Manganese	1550	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:39	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:39	7440-09-7		
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:39	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	197	mg/L	1.0	1		07/09/19 00:31			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	170	mg/L	5.0	1		07/11/19 17:20			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	211	mg/L	10.0	1		07/01/19 09:49			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:05			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	3.4	mg/L	2.0	1		07/10/19 00:12	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		07/10/19 00:12	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	1.4	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:54	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.10	mg/L	0.050	1		06/27/19 22:10	14797-55-8		
Nitrate-Nitrite (as N)	0.10	mg/L	0.050	1		06/27/19 22:10	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:55	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441002		Collected: 06/26/19 12:26		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:46	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	3.9	mg/L	1.0	1		07/02/19 19:52	7440-44-0		
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 19:52	7440-44-0		
Total Organic Carbon	2.8	mg/L	1.0	1		07/02/19 19:52	7440-44-0		
Total Organic Carbon	2.7	mg/L	1.0	1		07/02/19 19:52	7440-44-0		
Mean Total Organic Carbon	3.0	mg/L	1.0	1		07/02/19 19:52	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441003		Collected: 06/26/19 12:04		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.23	Std. Units		1		06/26/19 12:04			
Field Temperature	18.6	deg C		1		06/26/19 12:04			
Field Specific Conductance	953	umhos/cm		1		06/26/19 12:04			
REDOX	-144	mV		1		06/26/19 12:04			
Field Turbidity	48.6	NTU		1		06/26/19 12:04			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:44	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:44	7440-38-2		
Barium	203	ug/L	200	1	07/09/19 10:00	07/10/19 21:44	7440-39-3		
Boron	50.7	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:44	7440-42-8		
Calcium	78800	ug/L	200	1	07/09/19 10:00	07/10/19 21:44	7440-70-2		
Iron	7490	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:44	7439-89-6		
Magnesium	24600	ug/L	200	1	07/09/19 10:00	07/10/19 21:44	7439-95-4		
Manganese	63.8	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:44	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:44	7440-09-7		
Sodium	12600	ug/L	5000	1	07/09/19 10:00	07/10/19 21:44	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	289	mg/L	1.0	1		07/09/19 00:45			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	280	mg/L	5.0	1		07/11/19 17:26			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	280	mg/L	20.0	1		07/01/19 09:50			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	7.2	mg/L	2.0	1		07/10/19 00:29	16887-00-6		
Sulfate	37.0	mg/L	5.0	1		07/10/19 00:29	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	0.32	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:55	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:11	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:11	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:56	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441003		Collected: 06/26/19 12:04		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:47	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0		
Total Organic Carbon	1.3	mg/L	1.0	1		07/02/19 20:08	7440-44-0		
Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0		
Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0		
Mean Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441004		Collected: 06/26/19 12:11		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	7.72	Std. Units			1		06/26/19 12:11		
Field Temperature	14.4	deg C			1		06/26/19 12:11		
Field Specific Conductance	592	umhos/cm			1		06/26/19 12:11		
REDOX	-158	mV			1		06/26/19 12:11		
Field Turbidity	44.2	NTU			1		06/26/19 12:11		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:50	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:50	7440-38-2		
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:50	7440-39-3		
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:50	7440-42-8		
Calcium	168000	ug/L	200	1	07/09/19 10:00	07/10/19 21:50	7440-70-2		
Iron	1200	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:50	7439-89-6		
Magnesium	26300	ug/L	200	1	07/09/19 10:00	07/10/19 21:50	7439-95-4		
Manganese	131	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:50	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:50	7440-09-7		
Sodium	14700	ug/L	5000	1	07/09/19 10:00	07/10/19 21:50	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	458	mg/L	1.0	1		07/09/19 01:05			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	440	mg/L	5.0	1		07/11/19 17:28			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	530	mg/L	20.0	1		07/01/19 09:51			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	14.6	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	43.6	mg/L	2.0	1		07/10/19 00:46	16887-00-6		
Sulfate	43.9	mg/L	5.0	1		07/10/19 00:46	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	0.28	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:56	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:12	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:12	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:57	14797-65-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441004		Collected: 06/26/19 12:11		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:48	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	5.1	mg/L	1.0	1		07/02/19 20:24	7440-44-0		
Total Organic Carbon	5.0	mg/L	1.0	1		07/02/19 20:24	7440-44-0		
Total Organic Carbon	5.1	mg/L	1.0	1		07/02/19 20:24	7440-44-0		
Total Organic Carbon	5.0	mg/L	1.0	1		07/02/19 20:24	7440-44-0		
Mean Total Organic Carbon	5.0	mg/L	1.0	1		07/02/19 20:24	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441005		Collected: 06/26/19 10:17		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	8.14	Std. Units		1		06/26/19 10:17			
Field Temperature	13.2	deg C		1		06/26/19 10:17			
Field Specific Conductance	6440	umhos/cm		1		06/26/19 10:17			
REDOX	-104	mV		1		06/26/19 10:17			
Field Turbidity	113	NTU		1		06/26/19 10:17			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:55	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:55	7440-38-2		
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:55	7440-39-3		
Boron	2660	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:55	7440-42-8		
Calcium	104000	ug/L	200	1	07/09/19 10:00	07/10/19 21:55	7440-70-2		
Iron	2200	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:55	7439-89-6		
Magnesium	19400	ug/L	200	1	07/09/19 10:00	07/10/19 21:55	7439-95-4		
Manganese	160	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:55	7439-96-5		
Potassium	23400	ug/L	5000	1	07/09/19 10:00	07/10/19 21:55	7440-09-7		
Sodium	1110000	ug/L	50000	10	07/09/19 10:00	07/11/19 15:20	7440-23-5		
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C							
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/03/19 14:07	7440-36-0		
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/03/19 14:07	7440-38-2		
Barium, Dissolved	<200	ug/L	200	1		07/03/19 14:07	7440-39-3		
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/03/19 14:07	7440-43-9		
Iron, Dissolved	274	ug/L	20.0	1		07/03/19 14:07	7439-89-6		
Magnesium, Dissolved	17500	ug/L	200	1		07/03/19 14:07	7439-95-4		
Manganese, Dissolved	123	ug/L	10.0	1		07/03/19 14:07	7439-96-5		
Potassium, Dissolved	28200	ug/L	5000	1		07/03/19 14:07	7440-09-7		
Sodium, Dissolved	987000	ug/L	5000	1		07/03/19 14:07	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	111	mg/L	1.0	1		07/09/19 01:13			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	310	mg/L	5.0	1		07/11/19 17:30			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	3360	mg/L	20.0	1		07/01/19 09:51			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	94.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	2300	mg/L	200	100		07/10/19 20:40	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		07/10/19 01:02	14808-79-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441005		Collected: 06/26/19 10:17		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	2.0	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:57	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.076	mg/L	0.050	1		06/27/19 22:13	14797-55-8		
Nitrate-Nitrite (as N)	0.076	mg/L	0.050	1		06/27/19 22:13	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:01	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	1.8	mg/L	0.10	1		07/11/19 15:49	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	4.1	mg/L	1.0	1		07/02/19 20:41	7440-44-0		
Total Organic Carbon	4.1	mg/L	1.0	1		07/02/19 20:41	7440-44-0		
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 20:41	7440-44-0		
Total Organic Carbon	3.5	mg/L	1.0	1		07/02/19 20:41	7440-44-0		
Mean Total Organic Carbon	3.8	mg/L	1.0	1		07/02/19 20:41	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441006		Collected: 06/26/19 10:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.08	Std. Units		1		06/26/19 10:01			
Field Temperature	17.4	deg C		1		06/26/19 10:01			
Field Specific Conductance	2760	umhos/cm		1		06/26/19 10:01			
REDOX	-28	mV		1		06/26/19 10:01			
Field Turbidity	7.11	NTU		1		06/26/19 10:01			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:01	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:01	7440-38-2		
Barium	396	ug/L	200	1	07/09/19 10:00	07/10/19 22:01	7440-39-3		
Boron	75.8	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:01	7440-42-8		
Calcium	139000	ug/L	200	1	07/09/19 10:00	07/10/19 22:01	7440-70-2		
Iron	2260	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:01	7439-89-6		
Magnesium	56200	ug/L	200	1	07/09/19 10:00	07/10/19 22:01	7439-95-4		
Manganese	535	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:01	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:01	7440-09-7		
Sodium	380000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:01	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	713	mg/L	1.0	1		07/09/19 01:40			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	500	mg/L	5.0	1		07/11/19 17:36			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	1530	mg/L	20.0	1		07/01/19 10:05			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	72.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	663	mg/L	40.0	20		07/10/19 20:56	16887-00-6		
Sulfate	40.1	mg/L	5.0	1		07/10/19 01:19	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	0.82	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:58	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:14	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:14	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:02	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441006		Collected: 06/26/19 10:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:50	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	10.9	mg/L	1.0	1		07/02/19 20:59	7440-44-0		
Total Organic Carbon	10.6	mg/L	1.0	1		07/02/19 20:59	7440-44-0		
Total Organic Carbon	10.5	mg/L	1.0	1		07/02/19 20:59	7440-44-0		
Total Organic Carbon	10.5	mg/L	1.0	1		07/02/19 20:59	7440-44-0		
Mean Total Organic Carbon	10.6	mg/L	1.0	1		07/02/19 20:59	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441007		Collected: 06/26/19 09:45		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	6.92	Std. Units		1		06/26/19 09:45			
Field Temperature	16.9	deg C		1		06/26/19 09:45			
Field Specific Conductance	3350	umhos/cm		1		06/26/19 09:45			
REDOX	O/R	mV		1		06/26/19 09:45			
Field Turbidity	49	NTU		1		06/26/19 09:45			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:06	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:06	7440-38-2		
Barium	14700	ug/L	200	1	07/09/19 10:00	07/10/19 22:06	7440-39-3		
Boron	646	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:06	7440-42-8		
Calcium	255000	ug/L	200	1	07/09/19 10:00	07/10/19 22:06	7440-70-2		
Iron	24700	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:06	7439-89-6		
Magnesium	95500	ug/L	200	1	07/09/19 10:00	07/10/19 22:06	7439-95-4		
Manganese	462	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:06	7439-96-5		
Potassium	18400	ug/L	5000	1	07/09/19 10:00	07/10/19 22:06	7440-09-7		
Sodium	387000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:06	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	1280	mg/L	5.0	1		07/09/19 18:21			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	900	mg/L	5.0	1		07/11/19 17:41			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	1870	mg/L	20.0	1		07/01/19 10:06			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	176	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:15			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	461	mg/L	40.0	20		07/10/19 21:13	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		07/10/19 02:09	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	10.6	mg/L	0.50	5	07/11/19 05:54	07/11/19 13:33	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:16	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:16	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:03	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441007		Collected: 06/26/19 09:45		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	7.6	mg/L	0.50	5		07/11/19 16:14	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	50.1	mg/L	1.0	1		07/02/19 21:17	7440-44-0		
Total Organic Carbon	50.6	mg/L	1.0	1		07/02/19 21:17	7440-44-0		
Total Organic Carbon	50.7	mg/L	1.0	1		07/02/19 21:17	7440-44-0		
Total Organic Carbon	50.2	mg/L	1.0	1		07/02/19 21:17	7440-44-0		
Mean Total Organic Carbon	50.4	mg/L	1.0	1		07/02/19 21:17	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441008		Collected: 06/26/19 11:06		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.02	Std. Units		1		06/26/19 11:06			
Field Temperature	15.2	deg C		1		06/26/19 11:06			
Field Specific Conductance	710	umhos/cm		1		06/26/19 11:06			
REDOX	55	mV		1		06/26/19 11:06			
Field Turbidity	49.3	NTU		1		06/26/19 11:06			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:12	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:12	7440-38-2		
Barium	287	ug/L	200	1	07/09/19 10:00	07/10/19 22:12	7440-39-3		
Boron	67.5	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:12	7440-42-8		
Calcium	116000	ug/L	200	1	07/09/19 10:00	07/10/19 22:12	7440-70-2		
Iron	1640	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:12	7439-89-6		
Magnesium	23800	ug/L	200	1	07/09/19 10:00	07/10/19 22:12	7439-95-4		
Manganese	49.3	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:12	7439-96-5		
Potassium	5070	ug/L	5000	1	07/09/19 10:00	07/10/19 22:12	7440-09-7		
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:12	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	392	mg/L	1.0	1		07/09/19 02:52			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	350	mg/L	5.0	1		07/11/19 17:42			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	386	mg/L	20.0	1		07/01/19 10:06			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:16			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	<2.0	mg/L	2.0	1		07/10/19 02:26	16887-00-6		
Sulfate	21.0	mg/L	5.0	1		07/10/19 02:26	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	0.37	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:00	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	0.36	mg/L	0.050	1		06/27/19 22:17	14797-55-8		
Nitrate-Nitrite (as N)	0.36	mg/L	0.050	1		06/27/19 22:17	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:04	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441008		Collected: 06/26/19 11:06		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:53	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0		
Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0		
Total Organic Carbon	1.9	mg/L	1.0	1		07/02/19 22:13	7440-44-0		
Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0		
Mean Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441009		Collected: 06/26/19 11:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	6.99	Std. Units		1		06/26/19 11:01			
Field Temperature	14.3	deg C		1		06/26/19 11:01			
Field Specific Conductance	1720	umhos/cm		1		06/26/19 11:01			
REDOX	-19	mV		1		06/26/19 11:01			
Field Turbidity	109	NTU		1		06/26/19 11:01			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:28	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:28	7440-38-2		
Barium	275	ug/L	200	1	07/09/19 10:00	07/10/19 22:28	7440-39-3		
Boron	828	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:28	7440-42-8		
Calcium	125000	ug/L	200	1	07/09/19 10:00	07/10/19 22:28	7440-70-2	M1	
Iron	16600	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:28	7439-89-6		
Magnesium	65400	ug/L	200	1	07/09/19 10:00	07/10/19 22:28	7439-95-4		
Manganese	505	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:28	7439-96-5		
Potassium	13800	ug/L	5000	1	07/09/19 10:00	07/10/19 22:28	7440-09-7		
Sodium	179000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:28	7440-23-5	M1	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C							
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/03/19 14:09	7440-36-0		
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/03/19 14:09	7440-38-2		
Barium, Dissolved	219	ug/L	200	1		07/03/19 14:09	7440-39-3		
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/03/19 14:09	7440-43-9		
Iron, Dissolved	858	ug/L	20.0	1		07/03/19 14:09	7439-89-6		
Magnesium, Dissolved	58300	ug/L	200	1		07/03/19 14:09	7439-95-4		
Manganese, Dissolved	419	ug/L	10.0	1		07/03/19 14:09	7439-96-5		
Potassium, Dissolved	13700	ug/L	5000	1		07/03/19 14:09	7440-09-7		
Sodium, Dissolved	164000	ug/L	5000	1		07/03/19 14:09	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	863	mg/L	1.0	1		07/09/19 03:24		M1	
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	520	mg/L	5.0	1		07/11/19 18:00			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	928	mg/L	20.0	1		07/01/19 10:07			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	27.8	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:16			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	63.0	mg/L	10.0	5		07/11/19 10:36	16887-00-6		
Sulfate	35.3	mg/L	5.0	1		07/10/19 02:43	14808-79-8		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6R	Lab ID: 7095441009	Collected: 06/26/19 11:01	Received: 06/27/19 11:05	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	4.4	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:02	7727-37-9	M1
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:18	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:18	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:08	14797-65-0	M1
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	3.1	mg/L	0.10	1		07/11/19 15:54	7664-41-7	
9060A TOC as NPOC	Analytical Method: EPA 9060A							
Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Total Organic Carbon	8.8	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Mean Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441010		Collected: 06/26/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.23	Std. Units		1		06/26/19 09:31			
Field Temperature	15.3	deg C		1		06/26/19 09:31			
Field Specific Conductance	758	umhos/cm		1		06/26/19 09:31			
REDOX	-68	mV		1		06/26/19 09:31			
Field Turbidity	758	NTU		1		06/26/19 09:31			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:57	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:57	7440-38-2		
Barium	421	ug/L	200	1	07/09/19 10:00	07/10/19 22:57	7440-39-3		
Boron	68.8	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:57	7440-42-8		
Calcium	120000	ug/L	200	1	07/09/19 10:00	07/10/19 22:57	7440-70-2		
Iron	2890	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:57	7439-89-6		
Magnesium	30100	ug/L	200	1	07/09/19 10:00	07/10/19 22:57	7439-95-4		
Manganese	1020	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:57	7439-96-5		
Potassium	7670	ug/L	5000	1	07/09/19 10:00	07/10/19 22:57	7440-09-7		
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:57	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	396	mg/L	1.0	1		07/09/19 04:46			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	340	mg/L	5.0	1		07/11/19 18:18			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	376	mg/L	20.0	1		07/01/19 10:20			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	16.8	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	<2.0	mg/L	2.0	1		07/10/19 03:33	16887-00-6		
Sulfate	8.9	mg/L	5.0	1		07/10/19 03:33	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	2.7	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:05	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	1.3	mg/L	0.050	1		06/27/19 22:24	14797-55-8		
Nitrate-Nitrite (as N)	1.3	mg/L	0.050	1		06/27/19 22:24	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:12	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441010		Collected: 06/26/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	1.1	mg/L	0.10	1		07/11/19 16:00	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Total Organic Carbon	3.7	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Mean Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441011		Collected: 06/26/19 09:23		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.22	Std. Units		1		06/26/19 09:23			
Field Temperature	12.8	deg C		1		06/26/19 09:23			
Field Specific Conductance	2050	umhos/cm		1		06/26/19 09:23			
REDOX	-155	mV		1		06/26/19 09:23			
Field Turbidity	41.7	NTU		1		06/26/19 09:23			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:02	7440-36-0		
Arsenic	49.7	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:02	7440-38-2		
Barium	1830	ug/L	200	1	07/09/19 10:00	07/10/19 23:02	7440-39-3		
Boron	851	ug/L	50.0	1	07/09/19 10:00	07/10/19 23:02	7440-42-8		
Calcium	195000	ug/L	200	1	07/09/19 10:00	07/10/19 23:02	7440-70-2		
Iron	21100	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:02	7439-89-6		
Magnesium	86700	ug/L	200	1	07/09/19 10:00	07/10/19 23:02	7439-95-4		
Manganese	230	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:02	7439-96-5		
Potassium	8740	ug/L	5000	1	07/09/19 10:00	07/10/19 23:02	7440-09-7		
Sodium	171000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:02	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	833	mg/L	1.0	1		07/09/19 05:17			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	700	mg/L	5.0	1		07/11/19 18:20			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	1270	mg/L	20.0	1		07/01/19 10:20			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	127	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	387	mg/L	2.0	1		07/10/19 03:50	16887-00-6		
Sulfate	6.0	mg/L	5.0	1		07/10/19 03:50	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	3.0	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:07	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:25	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:25	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:15	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441011		Collected: 06/26/19 09:23		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	0.31	mg/L	0.10	1		07/11/19 16:01	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	38.4	mg/L	1.0	1		07/02/19 23:51	7440-44-0		
Total Organic Carbon	38.6	mg/L	1.0	1		07/02/19 23:51	7440-44-0		
Total Organic Carbon	39.0	mg/L	1.0	1		07/02/19 23:51	7440-44-0		
Total Organic Carbon	38.9	mg/L	1.0	1		07/02/19 23:51	7440-44-0		
Mean Total Organic Carbon	38.7	mg/L	1.0	1		07/02/19 23:51	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441012		Collected: 06/26/19 12:27		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.04	Std. Units		1		06/26/19 12:27			
Field Temperature	13.8	deg C		1		06/26/19 12:27			
Field Specific Conductance	383	umhos/cm		1		06/26/19 12:27			
REDOX	-13	mV		1		06/26/19 12:27			
Field Turbidity	46	NTU		1		06/26/19 12:27			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:08	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:08	7440-38-2		
Barium	254	ug/L	200	1	07/09/19 10:00	07/10/19 23:08	7440-39-3		
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 23:08	7440-42-8		
Calcium	74800	ug/L	200	1	07/09/19 10:00	07/10/19 23:08	7440-70-2		
Iron	1910	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:08	7439-89-6		
Magnesium	9810	ug/L	200	1	07/09/19 10:00	07/10/19 23:08	7439-95-4		
Manganese	383	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:08	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:08	7440-09-7		
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:08	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	218	mg/L	1.0	1		07/09/19 05:28			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	90.0	mg/L	5.0	1		07/11/19 18:22			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	254	mg/L	10.0	1		07/01/19 10:21			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	32.2	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	3.7	mg/L	2.0	1		07/10/19 04:06	16887-00-6		
Sulfate	9.8	mg/L	5.0	1		07/10/19 04:06	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	0.57	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:08	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:26	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:26	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:16	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441012		Collected: 06/26/19 12:27		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 16:02	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	7.6	mg/L	1.0	1		07/03/19 00:08	7440-44-0		
Total Organic Carbon	7.8	mg/L	1.0	1		07/03/19 00:08	7440-44-0		
Total Organic Carbon	7.8	mg/L	1.0	1		07/03/19 00:08	7440-44-0		
Total Organic Carbon	7.7	mg/L	1.0	1		07/03/19 00:08	7440-44-0		
Mean Total Organic Carbon	7.7	mg/L	1.0	1		07/03/19 00:08	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-X		Lab ID: 7095441013		Collected: 06/26/19 09:45		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:13	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:13	7440-38-2		
Barium	14400	ug/L	200	1	07/09/19 10:00	07/10/19 23:13	7440-39-3		
Boron	645	ug/L	50.0	1	07/09/19 10:00	07/10/19 23:13	7440-42-8		
Calcium	252000	ug/L	200	1	07/09/19 10:00	07/10/19 23:13	7440-70-2		
Iron	22700	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:13	7439-89-6		
Magnesium	94200	ug/L	200	1	07/09/19 10:00	07/10/19 23:13	7439-95-4		
Manganese	460	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:13	7439-96-5		
Potassium	18500	ug/L	5000	1	07/09/19 10:00	07/10/19 23:13	7440-09-7		
Sodium	382000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:13	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	1280	mg/L	5.0	1		07/09/19 18:28			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	900	mg/L	5.0	1		07/11/19 18:29			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	1800	mg/L	20.0	1		07/01/19 10:21			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	169	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	464	mg/L	40.0	20		07/10/19 21:46	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		07/10/19 04:23	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	12.8	mg/L	0.50	5	07/11/19 05:54	07/11/19 13:34	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:30	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:30	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:18	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	7.6	mg/L	0.50	5		07/11/19 17:17	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	49.7	mg/L	1.0	1		07/03/19 00:26	7440-44-0		
Total Organic Carbon	50.2	mg/L	1.0	1		07/03/19 00:26	7440-44-0		
Total Organic Carbon	49.9	mg/L	1.0	1		07/03/19 00:26	7440-44-0		
Total Organic Carbon	50.1	mg/L	1.0	1		07/03/19 00:26	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-X		Lab ID: 7095441013	Collected: 06/26/19 09:45	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Mean Total Organic Carbon	50.0	mg/L	1.0	1		07/03/19 00:26	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441014		Collected: 06/25/19 12:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		07/06/19 17:58	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:58	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:58	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/06/19 17:58	75-25-2	CL,L2	
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:58	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:58	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:58	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:58	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-87-3		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:58	96-12-8		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:58	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:58	110-57-6		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:58	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:58	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:58	10061-02-6	L1	
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	100-41-4		
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:58	591-78-6		
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-88-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:58	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:58	108-10-1		
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:58	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:58	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:58	96-18-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:58	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 17:58	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:58	1330-20-7		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441014		Collected: 06/25/19 12:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		129	%	68-153	1		07/06/19 17:58	17060-07-0	
4-Bromofluorobenzene (S)		93	%	79-124	1		07/06/19 17:58	460-00-4	
Toluene-d8 (S)		94	%	69-124	1		07/06/19 17:58	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441015		Collected: 06/25/19 10:40		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		07/06/19 17:39	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:39	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:39	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/06/19 17:39	75-25-2	CL,L2	
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:39	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:39	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:39	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:39	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-87-3		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:39	96-12-8		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:39	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:39	110-57-6		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:39	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:39	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:39	10061-02-6	L1	
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	100-41-4		
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:39	591-78-6		
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-88-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:39	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:39	108-10-1		
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:39	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:39	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:39	96-18-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:39	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 17:39	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:39	1330-20-7		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441015		Collected: 06/25/19 10:40		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)	125	%	68-153	1		07/06/19 17:39	17060-07-0		
4-Bromofluorobenzene (S)	95	%	79-124	1		07/06/19 17:39	460-00-4		
Toluene-d8 (S)	95	%	69-124	1		07/06/19 17:39	2037-26-5		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441016		Collected: 06/25/19 10:10		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		07/06/19 17:20	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:20	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:20	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/06/19 17:20	75-25-2	CL,L2	
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:20	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:20	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:20	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:20	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-87-3		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:20	96-12-8		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:20	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:20	110-57-6		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:20	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:20	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:20	10061-02-6	L1	
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	100-41-4		
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:20	591-78-6		
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-88-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:20	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:20	108-10-1		
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:20	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:20	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	79-00-5		
Trichloroethene	2.9	ug/L	1.0	1		07/06/19 17:20	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:20	96-18-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:20	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 17:20	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:20	1330-20-7		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441016		Collected: 06/25/19 10:10		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		127	%	68-153	1		07/06/19 17:20	17060-07-0	
4-Bromofluorobenzene (S)		95	%	79-124	1		07/06/19 17:20	460-00-4	
Toluene-d8 (S)		96	%	69-124	1		07/06/19 17:20	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441017		Collected: 06/25/19 10:15		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		07/06/19 17:00	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:00	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:00	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/06/19 17:00	75-25-2	CL,L2	
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:00	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:00	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:00	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:00	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-87-3		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:00	96-12-8		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:00	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:00	110-57-6		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	75-35-4		
cis-1,2-Dichloroethene	1.5	ug/L	1.0	1		07/06/19 17:00	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:00	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:00	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:00	10061-02-6	L1	
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	100-41-4		
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:00	591-78-6		
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-88-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:00	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:00	108-10-1		
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:00	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:00	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:00	96-18-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:00	108-05-4		
Vinyl chloride	3.4	ug/L	1.0	1		07/06/19 17:00	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:00	1330-20-7		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441017		Collected: 06/25/19 10:15		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 17:00	17060-07-0	
4-Bromofluorobenzene (S)		94	%	79-124	1		07/06/19 17:00	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 17:00	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441018		Collected: 06/25/19 09:15		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		07/06/19 16:41	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 16:41	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/06/19 16:41	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/06/19 16:41	75-25-2	CL,L2	
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 16:41	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 16:41	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 16:41	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/06/19 16:41	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-87-3		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 16:41	96-12-8		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 16:41	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 16:41	110-57-6		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:41	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:41	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:41	10061-02-6	L1	
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	100-41-4		
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 16:41	591-78-6		
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-88-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 16:41	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 16:41	108-10-1		
Styrene	<1.0	ug/L	1.0	1		07/06/19 16:41	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/06/19 16:41	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:41	96-18-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 16:41	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 16:41	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 16:41	1330-20-7		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441018		Collected: 06/25/19 09:15		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		125	%	68-153	1		07/06/19 16:41	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 16:41	460-00-4	
Toluene-d8 (S)		94	%	69-124	1		07/06/19 16:41	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441019	Collected: 06/25/19 09:48	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		07/06/19 16:22	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 16:22	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 16:22	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/06/19 16:22	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 16:22	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 16:22	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 16:22	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 16:22	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 16:22	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 16:22	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 16:22	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:22	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:22	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:22	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 16:22	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 16:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 16:22	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 16:22	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 16:22	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:22	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 16:22	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 16:22	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 16:22	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441019		Collected: 06/25/19 09:48		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		127	%	68-153	1		07/06/19 16:22	17060-07-0	
4-Bromofluorobenzene (S)		96	%	79-124	1		07/06/19 16:22	460-00-4	
Toluene-d8 (S)		93	%	69-124	1		07/06/19 16:22	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441020	Collected: 06/25/19 09:31	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		07/06/19 16:02	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 16:02	107-13-1	
Benzene	6.7	ug/L	1.0	1		07/06/19 16:02	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/06/19 16:02	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 16:02	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 16:02	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 16:02	56-23-5	
Chlorobenzene	4.8	ug/L	1.0	1		07/06/19 16:02	108-90-7	
Chloroethane	24.0	ug/L	1.0	1		07/06/19 16:02	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 16:02	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 16:02	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 16:02	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:02	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:02	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 16:02	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:02	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:02	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:02	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 16:02	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 16:02	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 16:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 16:02	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 16:02	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 16:02	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:02	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 16:02	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 16:02	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 16:02	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441020		Collected: 06/25/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 16:02	17060-07-0	
4-Bromofluorobenzene (S)		102	%	79-124	1		07/06/19 16:02	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 16:02	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441021	Collected: 06/25/19 11:04	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		07/06/19 15:43	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 15:43	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 15:43	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/06/19 15:43	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 15:43	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 15:43	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 15:43	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 15:43	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 15:43	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 15:43	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 15:43	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:43	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:43	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:43	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 15:43	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 15:43	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 15:43	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 15:43	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:43	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 15:43	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 15:43	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 15:43	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441021		Collected: 06/25/19 11:04		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		126	%	68-153	1		07/06/19 15:43	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 15:43	460-00-4	
Toluene-d8 (S)		96	%	69-124	1		07/06/19 15:43	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441022	Collected: 06/25/19 11:07	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		07/06/19 15:23	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 15:23	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 15:23	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-27-4	M1
Bromoform	<1.0	ug/L	1.0	1		07/06/19 15:23	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 15:23	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 15:23	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 15:23	56-23-5	M1
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 15:23	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 15:23	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 15:23	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 15:23	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:23	75-35-4	
cis-1,2-Dichloroethene	14.5	ug/L	1.0	1		07/06/19 15:23	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:23	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:23	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:23	10061-01-5	M1
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:23	10061-02-6	L1,M0
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 15:23	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-88-4	R1
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 15:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 15:23	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 15:23	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 15:23	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 15:23	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	71-55-6	M1
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	79-00-5	
Trichloroethene	10.5	ug/L	1.0	1		07/06/19 15:23	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:23	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 15:23	108-05-4	
Vinyl chloride	4.0	ug/L	1.0	1		07/06/19 15:23	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 15:23	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441022		Collected: 06/25/19 11:07		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		124	%	68-153	1		07/06/19 15:23	17060-07-0	
4-Bromofluorobenzene (S)		99	%	79-124	1		07/06/19 15:23	460-00-4	
Toluene-d8 (S)		96	%	69-124	1		07/06/19 15:23	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441023	Collected: 06/25/19 11:25	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		07/06/19 15:03	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 15:03	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 15:03	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/06/19 15:03	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 15:03	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 15:03	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 15:03	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 15:03	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 15:03	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 15:03	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 15:03	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:03	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:03	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:03	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 15:03	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 15:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 15:03	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 15:03	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 15:03	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:03	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 15:03	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 15:03	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 15:03	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441023		Collected: 06/25/19 11:25		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		124	%	68-153	1		07/06/19 15:03	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 15:03	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 15:03	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441024	Collected: 06/25/19 11:16	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	8.1	ug/L	5.0	1		07/06/19 14:44	67-64-1	CH
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 14:44	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 14:44	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/06/19 14:44	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 14:44	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 14:44	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 14:44	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	108-90-7	
Chloroethane	2.8	ug/L	1.0	1		07/06/19 14:44	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 14:44	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 14:44	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 14:44	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 14:44	110-57-6	
1,1-Dichloroethane	6.6	ug/L	1.0	1		07/06/19 14:44	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:44	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:44	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:44	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 14:44	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 14:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 14:44	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 14:44	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 14:44	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:44	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 14:44	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 14:44	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 14:44	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441024		Collected: 06/25/19 11:16		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 14:44	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 14:44	460-00-4	
Toluene-d8 (S)		94	%	69-124	1		07/06/19 14:44	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441025	Collected: 06/25/19 13:10	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		07/06/19 14:24	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 14:24	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 14:24	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/06/19 14:24	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 14:24	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 14:24	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 14:24	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 14:24	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 14:24	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 14:24	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 14:24	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:24	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:24	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:24	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 14:24	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 14:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 14:24	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 14:24	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 14:24	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:24	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 14:24	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 14:24	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 14:24	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441025		Collected: 06/25/19 13:10		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 14:24	17060-07-0	
4-Bromofluorobenzene (S)		94	%	79-124	1		07/06/19 14:24	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 14:24	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-X		Lab ID: 7095441026	Collected: 06/25/19 09:31	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	16.3	ug/L	5.0	1		07/06/19 14:05	67-64-1	CH
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 14:05	107-13-1	
Benzene	7.3	ug/L	1.0	1		07/06/19 14:05	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/06/19 14:05	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 14:05	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 14:05	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 14:05	56-23-5	
Chlorobenzene	5.1	ug/L	1.0	1		07/06/19 14:05	108-90-7	
Chloroethane	25.6	ug/L	1.0	1		07/06/19 14:05	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 14:05	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 14:05	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 14:05	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:05	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:05	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 14:05	110-57-6	
1,1-Dichloroethane	1.0	ug/L	1.0	1		07/06/19 14:05	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:05	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:05	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:05	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 14:05	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 14:05	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 14:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 14:05	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 14:05	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 14:05	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:05	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 14:05	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 14:05	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 14:05	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-X		Lab ID: 7095441026		Collected: 06/25/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		121	%	68-153	1		07/06/19 14:05	17060-07-0	
4-Bromofluorobenzene (S)		101	%	79-124	1		07/06/19 14:05	460-00-4	
Toluene-d8 (S)		93	%	69-124	1		07/06/19 14:05	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: TRIP BLANK		Lab ID: 7095441027	Collected: 06/25/19 00:00	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		07/06/19 13:46	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 13:46	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 13:46	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 13:46	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 13:46	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/06/19 13:46	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 13:46	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 13:46	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 13:46	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 13:46	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 13:46	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 13:46	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 13:46	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 13:46	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 13:46	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 13:46	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 13:46	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 13:46	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 13:46	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 13:46	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 13:46	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 13:46	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 13:46	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 13:46	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 13:46	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 13:46	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 13:46	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 13:46	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 13:46	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 13:46	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 13:46	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 13:46	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 13:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 13:46	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 13:46	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 13:46	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 13:46	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 13:46	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 13:46	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 13:46	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 13:46	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 13:46	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 13:46	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 13:46	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 13:46	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 13:46	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 13:46	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: TRIP BLANK		Lab ID: 7095441027		Collected: 06/25/19 00:00		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		126	%	68-153	1		07/06/19 13:46	17060-07-0	
4-Bromofluorobenzene (S)		98	%	79-124	1		07/06/19 13:46	460-00-4	
Toluene-d8 (S)		94	%	69-124	1		07/06/19 13:46	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: STORAGE BLANK		Lab ID: 7095441028		Collected: 06/27/19 00:00		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		07/06/19 12:40	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 12:40	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/06/19 12:40	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 12:40	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 12:40	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		07/06/19 12:40	75-25-2	CL,L2	
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 12:40	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 12:40	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 12:40	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 12:40	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 12:40	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 12:40	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/06/19 12:40	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 12:40	74-87-3		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 12:40	96-12-8		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 12:40	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 12:40	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 12:40	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 12:40	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 12:40	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 12:40	110-57-6		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 12:40	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 12:40	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 12:40	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 12:40	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 12:40	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 12:40	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 12:40	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 12:40	10061-02-6	L1	
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 12:40	100-41-4		
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 12:40	591-78-6		
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 12:40	74-88-4		
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 12:40	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 12:40	108-10-1		
Styrene	<1.0	ug/L	1.0	1		07/06/19 12:40	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 12:40	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 12:40	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 12:40	127-18-4		
Toluene	<1.0	ug/L	1.0	1		07/06/19 12:40	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 12:40	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 12:40	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 12:40	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 12:40	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 12:40	96-18-4		
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 12:40	108-05-4		
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 12:40	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 12:40	1330-20-7		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: STORAGE BLANK		Lab ID: 7095441028		Collected: 06/27/19 00:00		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		126	%	68-153	1		07/06/19 12:40	17060-07-0	
4-Bromofluorobenzene (S)		96	%	79-124	1		07/06/19 12:40	460-00-4	
Toluene-d8 (S)		93	%	69-124	1		07/06/19 12:40	2037-26-5	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch: 120375 Analysis Method: EPA 6010C
QC Batch Method: EPA 6010C Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 7095441001, 7095441005, 7095441009

METHOD BLANK: 572392 Matrix: Water

Associated Lab Samples: 7095441001, 7095441005, 7095441009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony, Dissolved	ug/L	<60.0	60.0	07/03/19 13:48	
Arsenic, Dissolved	ug/L	<10.0	10.0	07/03/19 13:48	
Barium, Dissolved	ug/L	<200	200	07/03/19 13:48	
Cadmium, Dissolved	ug/L	<2.5	2.5	07/03/19 13:48	
Iron, Dissolved	ug/L	<20.0	20.0	07/03/19 13:48	
Magnesium, Dissolved	ug/L	<200	200	07/03/19 13:48	
Manganese, Dissolved	ug/L	<10.0	10.0	07/03/19 13:48	
Potassium, Dissolved	ug/L	<5000	5000	07/03/19 13:48	
Sodium, Dissolved	ug/L	<5000	5000	07/03/19 13:48	

LABORATORY CONTROL SAMPLE: 572393

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	ug/L	750	719	96	80-120	
Arsenic, Dissolved	ug/L	500	498	100	80-120	
Barium, Dissolved	ug/L	500	498	100	80-120	
Cadmium, Dissolved	ug/L	50	50.2	100	80-120	
Iron, Dissolved	ug/L	2000	2030	101	80-120	
Magnesium, Dissolved	ug/L	25000	25100	100	80-120	
Manganese, Dissolved	ug/L	250	252	101	80-120	
Potassium, Dissolved	ug/L	50000	47400	95	80-120	
Sodium, Dissolved	ug/L	50000	48900	98	80-120	

MATRIX SPIKE SAMPLE: 572395

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	ug/L	<60.0	750	756	101	75-125	
Arsenic, Dissolved	ug/L	<10.0	500	524	103	75-125	
Barium, Dissolved	ug/L	219	500	720	100	75-125	
Cadmium, Dissolved	ug/L	<2.5	50	49.2	98	75-125	
Iron, Dissolved	ug/L	858	2000	3300	122	75-125	
Magnesium, Dissolved	ug/L	58300	25000	83600	101	75-125	
Manganese, Dissolved	ug/L	419	250	668	100	75-125	
Potassium, Dissolved	ug/L	13700	50000	58100	89	75-125	
Sodium, Dissolved	ug/L	164000	50000	214000	100	75-125	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

SAMPLE DUPLICATE: 572394

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Antimony, Dissolved	ug/L	<60.0	<60.0		
Arsenic, Dissolved	ug/L	<10.0	<10.0		
Barium, Dissolved	ug/L	219	226	3	
Cadmium, Dissolved	ug/L	<2.5	<2.5		
Iron, Dissolved	ug/L	858	1040	19	
Magnesium, Dissolved	ug/L	58300	59600	2	
Manganese, Dissolved	ug/L	419	425	1	
Potassium, Dissolved	ug/L	13700	14000	2	
Sodium, Dissolved	ug/L	164000	168000	2	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

QC Batch: 121065 Analysis Method: EPA 6010C
QC Batch Method: EPA 3005A Analysis Description: 6010 MET Water
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

METHOD BLANK: 576048 Matrix: Water
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<60.0	60.0	07/10/19 21:22	
Arsenic	ug/L	<10.0	10.0	07/10/19 21:22	
Barium	ug/L	<200	200	07/10/19 21:22	
Boron	ug/L	<50.0	50.0	07/10/19 21:22	
Calcium	ug/L	<200	200	07/10/19 21:22	
Iron	ug/L	<20.0	20.0	07/10/19 21:22	
Magnesium	ug/L	<200	200	07/10/19 21:22	
Manganese	ug/L	<10.0	10.0	07/10/19 21:22	
Potassium	ug/L	<5000	5000	07/10/19 21:22	
Sodium	ug/L	<5000	5000	07/10/19 21:22	

LABORATORY CONTROL SAMPLE: 576049

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	750	767	102	80-120	
Arsenic	ug/L	500	475	95	80-120	
Barium	ug/L	500	523	105	80-120	
Boron	ug/L	2500	2550	102	80-120	
Calcium	ug/L	25000	25200	101	80-120	
Iron	ug/L	2000	2020	101	80-120	
Magnesium	ug/L	25000	24900	100	80-120	
Manganese	ug/L	250	246	98	80-120	
Potassium	ug/L	50000	51400	103	80-120	
Sodium	ug/L	50000	51700	103	80-120	

MATRIX SPIKE SAMPLE: 576051

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	<60.0	750	753	100	75-125	
Arsenic	ug/L	<10.0	500	511	102	75-125	
Barium	ug/L	275	500	722	89	75-125	
Boron	ug/L	828	2500	3220	96	75-125	
Calcium	ug/L	125000	25000	140000	62	75-125 M1	
Iron	ug/L	16600	2000	18600	104	75-125	
Magnesium	ug/L	65400	25000	84800	78	75-125	
Manganese	ug/L	505	250	726	88	75-125	
Potassium	ug/L	13800	50000	62100	97	75-125	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

MATRIX SPIKE SAMPLE: 576051

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sodium	ug/L	179000	50000	212000	67	75-125	M1

SAMPLE DUPLICATE: 576050

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	275	278	1	
Boron	ug/L	828	833	1	
Calcium	ug/L	125000	123000	2	
Iron	ug/L	16600	18000	9	
Magnesium	ug/L	65400	64400	2	
Manganese	ug/L	505	506	0	
Potassium	ug/L	13800	13800	0	
Sodium	ug/L	179000	178000	0	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch:	120782	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	7095441014, 7095441015, 7095441016, 7095441017, 7095441018, 7095441019, 7095441020, 7095441021, 7095441022, 7095441023, 7095441024, 7095441025, 7095441026, 7095441027, 7095441028		

METHOD BLANK:	574898	Matrix:	Water
Associated Lab Samples:	7095441014, 7095441015, 7095441016, 7095441017, 7095441018, 7095441019, 7095441020, 7095441021, 7095441022, 7095441023, 7095441024, 7095441025, 7095441026, 7095441027, 7095441028		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	07/06/19 11:23	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	07/06/19 11:23	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	07/06/19 11:23	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	07/06/19 11:23	
1,1-Dichloroethane	ug/L	<1.0	1.0	07/06/19 11:23	
1,1-Dichloroethene	ug/L	<1.0	1.0	07/06/19 11:23	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	07/06/19 11:23	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	07/06/19 11:23	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	07/06/19 11:23	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	07/06/19 11:23	
1,2-Dichloroethane	ug/L	<1.0	1.0	07/06/19 11:23	
1,2-Dichloropropane	ug/L	<1.0	1.0	07/06/19 11:23	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	07/06/19 11:23	
2-Butanone (MEK)	ug/L	<5.0	5.0	07/06/19 11:23	IL
2-Hexanone	ug/L	<5.0	5.0	07/06/19 11:23	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	07/06/19 11:23	
Acetone	ug/L	<5.0	5.0	07/06/19 11:23	
Acrylonitrile	ug/L	<1.0	1.0	07/06/19 11:23	
Benzene	ug/L	<1.0	1.0	07/06/19 11:23	
Bromochloromethane	ug/L	<1.0	1.0	07/06/19 11:23	
Bromodichloromethane	ug/L	<1.0	1.0	07/06/19 11:23	
Bromoform	ug/L	<1.0	1.0	07/06/19 11:23	CL
Bromomethane	ug/L	<1.0	1.0	07/06/19 11:23	
Carbon disulfide	ug/L	<1.0	1.0	07/06/19 11:23	
Carbon tetrachloride	ug/L	<1.0	1.0	07/06/19 11:23	
Chlorobenzene	ug/L	<1.0	1.0	07/06/19 11:23	
Chloroethane	ug/L	<1.0	1.0	07/06/19 11:23	
Chloroform	ug/L	<1.0	1.0	07/06/19 11:23	
Chloromethane	ug/L	<1.0	1.0	07/06/19 11:23	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	07/06/19 11:23	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	07/06/19 11:23	
Dibromochloromethane	ug/L	<1.0	1.0	07/06/19 11:23	
Dibromomethane	ug/L	<1.0	1.0	07/06/19 11:23	
Ethylbenzene	ug/L	<1.0	1.0	07/06/19 11:23	
Iodomethane	ug/L	<1.0	1.0	07/06/19 11:23	
Methylene Chloride	ug/L	<1.0	1.0	07/06/19 11:23	
Styrene	ug/L	<1.0	1.0	07/06/19 11:23	
Tetrachloroethene	ug/L	<1.0	1.0	07/06/19 11:23	
Toluene	ug/L	<1.0	1.0	07/06/19 11:23	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	07/06/19 11:23	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

METHOD BLANK: 574898

Matrix: Water

Associated Lab Samples: 7095441014, 7095441015, 7095441016, 7095441017, 7095441018, 7095441019, 7095441020, 7095441021, 7095441022, 7095441023, 7095441024, 7095441025, 7095441026, 7095441027, 7095441028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	07/06/19 11:23	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	07/06/19 11:23	
Trichloroethene	ug/L	<1.0	1.0	07/06/19 11:23	
Trichlorofluoromethane	ug/L	<1.0	1.0	07/06/19 11:23	
Vinyl acetate	ug/L	<1.0	1.0	07/06/19 11:23	
Vinyl chloride	ug/L	<1.0	1.0	07/06/19 11:23	
Xylene (Total)	ug/L	<3.0	3.0	07/06/19 11:23	
1,2-Dichloroethane-d4 (S)	%	125	68-153	07/06/19 11:23	
4-Bromofluorobenzene (S)	%	100	79-124	07/06/19 11:23	
Toluene-d8 (S)	%	94	69-124	07/06/19 11:23	

LABORATORY CONTROL SAMPLE: 574899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.9	96	74-113	
1,1,1-Trichloroethane	ug/L	50	54.5	109	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	49.1	98	74-121	
1,1,2-Trichloroethane	ug/L	50	50.0	100	80-117	
1,1-Dichloroethane	ug/L	50	49.5	99	83-151	
1,1-Dichloroethene	ug/L	50	45.3	91	45-146	
1,2,3-Trichloropropane	ug/L	50	49.2	98	71-123	
1,2-Dibromo-3-chloropropane	ug/L	50	41.9	84	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	53.6	107	83-115	
1,2-Dichlorobenzene	ug/L	50	48.1	96	74-113	
1,2-Dichloroethane	ug/L	50	56.7	113	74-129	
1,2-Dichloropropane	ug/L	50	50.5	101	75-117	
1,4-Dichlorobenzene	ug/L	50	46.6	93	71-113	
2-Butanone (MEK)	ug/L	50	55.1	110	44-162	IL
2-Hexanone	ug/L	50	46.9	94	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	44.0	88	69-132	
Acetone	ug/L	50	62.9	126	23-188	CH
Acrylonitrile	ug/L	50	51.8	104	59-148	
Benzene	ug/L	50	48.8	98	73-119	
Bromochloromethane	ug/L	50	47.9	96	81-116	
Bromodichloromethane	ug/L	50	56.8	114	78-117	
Bromoform	ug/L	50	30.5	61	65-122	CL,L2
Bromomethane	ug/L	50	41.4	83	52-147	
Carbon disulfide	ug/L	50	53.6	107	41-144	
Carbon tetrachloride	ug/L	50	53.5	107	59-120	
Chlorobenzene	ug/L	50	45.5	91	75-113	
Chloroethane	ug/L	50	45.2	90	49-151	
Chloroform	ug/L	50	52.5	105	72-122	
Chloromethane	ug/L	50	41.0	82	46-144	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

LABORATORY CONTROL SAMPLE: 574899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	47.7	95	72-121	
cis-1,3-Dichloropropene	ug/L	50	55.6	111	78-116	
Dibromochloromethane	ug/L	50	51.6	103	70-120	
Dibromomethane	ug/L	50	50.5	101	75-125	
Ethylbenzene	ug/L	50	44.7	89	70-113	
Iodomethane	ug/L	50	57.3	115	61-144	
Methylene Chloride	ug/L	50	48.0	96	61-142	
Styrene	ug/L	50	49.8	100	72-118	
Tetrachloroethene	ug/L	50	39.8	80	60-128	
Toluene	ug/L	50	47.0	94	72-119	
trans-1,2-Dichloroethene	ug/L	50	48.6	97	56-142	
trans-1,3-Dichloropropene	ug/L	50	58.7	117	79-116	CH,L1
trans-1,4-Dichloro-2-butene	ug/L	50	47.2	94	71-121	
Trichloroethene	ug/L	50	50.4	101	69-117	
Trichlorofluoromethane	ug/L	50	48.2	96	27-173	
Vinyl acetate	ug/L	50	55.5	111	20-158	
Vinyl chloride	ug/L	50	43.2	86	43-143	
Xylene (Total)	ug/L	150	138	92	71-109	
1,2-Dichloroethane-d4 (S)	%			119	68-153	
4-Bromofluorobenzene (S)	%			105	79-124	
Toluene-d8 (S)	%			93	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 574949 574950

Parameter	Units	7095441022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50	51.4	52.8	103	106	74-113	3	
1,1,1-Trichloroethane	ug/L	<1.0	50	50	60.6	61.6	121	123	65-118	2	M1
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	52.0	51.4	104	103	74-121	1	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	54.6	53.4	109	107	80-117	2	
1,1-Dichloroethane	ug/L	<1.0	50	50	56.4	55.6	113	111	83-151	1	
1,1-Dichloroethene	ug/L	<1.0	50	50	52.3	51.5	105	103	45-146	2	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	52.4	52.8	105	106	71-123	1	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	42.4	44.3	85	89	74-119	4	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	56.5	56.9	113	114	83-115	1	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	53.2	53.3	106	107	74-113	0	
1,2-Dichloroethane	ug/L	<1.0	50	50	62.9	60.6	126	121	74-129	4	
1,2-Dichloropropane	ug/L	<1.0	50	50	56.2	56.9	112	114	75-117	1	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	51.9	53.0	104	106	71-113	2	
2-Butanone (MEK)	ug/L	<5.0	50	50	52.3	50.5	105	101	44-162	4	IL
2-Hexanone	ug/L	<5.0	50	50	44.0	44.1	88	88	32-183	0	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	46.1	44.7	92	89	69-132	3	
Acetone	ug/L	<5.0	50	50	46.5	46.9	93	94	23-188	1	CH
Acrylonitrile	ug/L	<1.0	50	50	51.6	50.8	103	102	59-148	2	
Benzene	ug/L	<1.0	50	50	56.0	55.7	111	110	73-119	1	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 574949 574950											
Parameter	Units	7095441022		MS	MSD	MS	MSD	MS	MSD	% Rec	RPD
		Result	Conc.	Spike	Spike						Qual
Bromochloromethane	ug/L	<1.0	50	50	50	52.1	50.8	104	102	81-116	3
Bromodichloromethane	ug/L	<1.0	50	50	50	61.0	61.5	122	123	78-117	1 M1
Bromoform	ug/L	<1.0	50	50	50	35.5	35.3	71	71	65-122	0 CL
Bromomethane	ug/L	<1.0	50	50	50	36.9	41.8	74	84	52-147	12
Carbon disulfide	ug/L	<1.0	50	50	50	60.7	59.0	121	118	41-144	3
Carbon tetrachloride	ug/L	<1.0	50	50	50	58.9	61.0	118	122	59-120	4 M1
Chlorobenzene	ug/L	<1.0	50	50	50	51.1	51.5	102	103	75-113	1
Chloroethane	ug/L	<1.0	50	50	50	52.5	51.7	105	103	49-151	2
Chloroform	ug/L	<1.0	50	50	50	59.4	57.8	119	116	72-122	3
Chloromethane	ug/L	<1.0	50	50	50	43.9	45.4	88	91	46-144	3
cis-1,2-Dichloroethene	ug/L	14.5	50	50	50	64.5	65.1	100	101	72-121	1
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	58.0	58.7	116	117	78-116	1 M1
Dibromochloromethane	ug/L	<1.0	50	50	50	52.9	53.8	106	108	70-120	2
Dibromomethane	ug/L	<1.0	50	50	50	55.9	54.9	112	110	75-125	2
Ethylbenzene	ug/L	<1.0	50	50	50	51.7	52.1	103	104	70-113	1
Iodomethane	ug/L	<1.0	50	50	50	51.1	63.6	102	127	61-144	22 R1
Methylene Chloride	ug/L	<1.0	50	50	50	53.7	52.0	107	104	61-142	3
Styrene	ug/L	<1.0	50	50	50	56.1	56.3	112	113	72-118	0
Tetrachloroethene	ug/L	<1.0	50	50	50	45.5	47.5	91	95	60-128	4
Toluene	ug/L	<1.0	50	50	50	54.3	53.6	109	107	72-119	1
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	50	55.1	54.9	110	110	56-142	0
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	60.8	61.3	122	123	79-116	1 CH,M0
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	50	37.0	36.8	74	74	71-121	1
Trichloroethene	ug/L	10.5	50	50	50	67.8	68.5	115	116	69-117	1
Trichlorofluoromethane	ug/L	<1.0	50	50	50	55.0	54.4	110	109	27-173	1
Vinyl acetate	ug/L	<1.0	50	50	50	49.5	49.6	99	99	20-158	0
Vinyl chloride	ug/L	4.0	50	50	50	51.2	50.4	94	93	43-143	1
Xylene (Total)	ug/L	<3.0	150	150	150	157	159	105	106	71-109	1
1,2-Dichloroethane-d4 (S)	%							119	119	68-153	
4-Bromofluorobenzene (S)	%							104	104	79-124	
Toluene-d8 (S)	%							95	96	69-124	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch:	120959	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
Associated Lab Samples:	7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012		

METHOD BLANK:	575757	Matrix:	Water
Associated Lab Samples:	7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	07/08/19 23:14	

LABORATORY CONTROL SAMPLE: 575758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	25.8	103	85-115	

MATRIX SPIKE SAMPLE: 575760

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	863	25	898	140	75-125	M1

SAMPLE DUPLICATE: 575759

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	863	853	1	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch: 121116

Analysis Method: SM22 2320B

QC Batch Method: SM22 2320B

Analysis Description: 2320B Alkalinity, High Level

Associated Lab Samples: 7095441007, 7095441013

METHOD BLANK: 576671

Matrix: Water

Associated Lab Samples: 7095441007, 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<5.0	5.0	07/09/19 18:09	

LABORATORY CONTROL SAMPLE: 576672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	125	127	102	80-120	

MATRIX SPIKE SAMPLE: 576690

Parameter	Units	7096405001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	2080	312	2310	72	75-125	M1

SAMPLE DUPLICATE: 576689

Parameter	Units	7096405001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	2080	2230	7	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch:	121348	Analysis Method:	SM22 2340C
QC Batch Method:	SM22 2340C	Analysis Description:	2340C Hardness, Total
Associated Lab Samples:	7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013		

METHOD BLANK: 577808 Matrix: Water
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	<5.0	5.0	07/11/19 17:14	

LABORATORY CONTROL SAMPLE: 577809

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	100	97.0	97	90-110	

MATRIX SPIKE SAMPLE: 577810

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	520	2000	2460	97	75-125	

SAMPLE DUPLICATE: 577812

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Tot Hardness asCaCO3 (SM 2340B)	mg/L	520	500	4	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch:	120088	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013		

METHOD BLANK: 570959 Matrix: Water
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<1.0	1.0	07/01/19 09:33	

LABORATORY CONTROL SAMPLE: 570960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	524	105	85-115	

MATRIX SPIKE SAMPLE: 570962

Parameter	Units	7095597001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	99.0	300	384	95	75-125	

MATRIX SPIKE SAMPLE: 570964

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	928	600	1520	98	75-125	

SAMPLE DUPLICATE: 570961

Parameter	Units	7095597001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	99.0	99.0	0	

SAMPLE DUPLICATE: 570963

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	928	928	0	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch: 120637 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006

METHOD BLANK: 574366 Matrix: Water
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	10.0	07/05/19 14:04	

LABORATORY CONTROL SAMPLE: 574367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	511	102	90-110	

MATRIX SPIKE SAMPLE: 574368

Parameter	Units	7095774001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	69.8	1000	1060	99	90-110	

MATRIX SPIKE SAMPLE: 574370

Parameter	Units	7095441006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	72.0	1000	1120	105	90-110	

SAMPLE DUPLICATE: 574369

Parameter	Units	7095774001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	69.8	67.6	3	

SAMPLE DUPLICATE: 574371

Parameter	Units	7095441006 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	72.0	72.0	0	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch: 120992 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

METHOD BLANK: 575842 Matrix: Water
Associated Lab Samples: 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	10.0	07/09/19 11:15	

LABORATORY CONTROL SAMPLE: 575843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	507	101	90-110	

MATRIX SPIKE SAMPLE: 575844

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	27.8	1000	1060	103	90-110	

MATRIX SPIKE SAMPLE: 575846

Parameter	Units	7095502007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	45.5	1000	1020	98	90-110	

SAMPLE DUPLICATE: 575845

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	27.8	30.0	8	

SAMPLE DUPLICATE: 575847

Parameter	Units	7095502007 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	45.5	38.9	16	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch:	121124	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013		

METHOD BLANK: 576786 Matrix: Water
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	07/09/19 20:01	
Sulfate	mg/L	<5.0	5.0	07/09/19 20:01	

LABORATORY CONTROL SAMPLE: 576788

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.7	107	90-110	
Sulfate	mg/L	10	10.7	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 576789 576790

Parameter	Units	7094618009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chloride	mg/L	<2.0	10	10	12.6	12.4	106	105	80-120	1	
Sulfate	mg/L	<5.0	10	10	13.0	13.0	107	107	80-120	0	

MATRIX SPIKE SAMPLE: 576791

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	63.0	50	114	101	80-120	
Sulfate	mg/L	35.3	10	45.6	103	80-120	

SAMPLE DUPLICATE: 576792

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	63.0	62.8	0	
Sulfate	mg/L	35.3	35.5	1	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch: 121362 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010

METHOD BLANK: 577926 Matrix: Water
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	07/11/19 12:40	

LABORATORY CONTROL SAMPLE: 577927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.2	104	90-110	

MATRIX SPIKE SAMPLE: 577928

Parameter	Units	7095339001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.72	4	5.4	117	90-110 M1	

MATRIX SPIKE SAMPLE: 577930

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4.4	4	9.0	115	90-110 M1	

SAMPLE DUPLICATE: 577929

Parameter	Units	7095339001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.72	0.63	12	

SAMPLE DUPLICATE: 577931

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4.4	4.5	1	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch: 121363 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 7095441011, 7095441012, 7095441013

METHOD BLANK: 577932 Matrix: Water

Associated Lab Samples: 7095441011, 7095441012, 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	07/11/19 13:06	

LABORATORY CONTROL SAMPLE: 577933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.2	104	90-110	

MATRIX SPIKE SAMPLE: 577934

Parameter	Units	7095483001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.45	4	5.9	136	90-110	M1

MATRIX SPIKE SAMPLE: 577936

Parameter	Units	7095502007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.82	4	6.6	144	90-110	M1

SAMPLE DUPLICATE: 577935

Parameter	Units	7095483001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.45	0.46	2	

SAMPLE DUPLICATE: 577937

Parameter	Units	7095502007 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.82	0.89	8	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch:	119800	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
Associated Lab Samples:	7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008		

METHOD BLANK:	569317	Matrix:	Water
Associated Lab Samples:	7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	06/27/19 19:30	

LABORATORY CONTROL SAMPLE: 569318						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE:		569319					
		7095474001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrite as N	ma/L	<0.050	0.5	0.59	118	90-110	M1

MATRIX SPIKE SAMPLE:		569321					
		7095480001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.59	118	90-110	M1

SAMPLE DUPLICATE: 569320					
Parameter	Units	7095474001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 569322					
Parameter	Units	7095480001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch: 119801 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

METHOD BLANK: 569323 Matrix: Water
Associated Lab Samples: 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	06/27/19 20:06	

LABORATORY CONTROL SAMPLE: 569324

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 569325

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.59	119	90-110	M1

MATRIX SPIKE SAMPLE: 569327

Parameter	Units	7095502007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.53	107	90-110	

SAMPLE DUPLICATE: 569326

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 569328

Parameter	Units	7095502007 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

QC Batch: 119806 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate, Unpres.
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012

METHOD BLANK: 569379 Matrix: Water
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	06/27/19 21:19	

LABORATORY CONTROL SAMPLE: 569380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.1	107	90-110	

MATRIX SPIKE SAMPLE: 569381

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.56	110	90-110	

MATRIX SPIKE SAMPLE: 569383

Parameter	Units	7095480001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	6.3	5	10.7	88	90-110	M6

SAMPLE DUPLICATE: 569382

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 569384

Parameter	Units	7095480001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	6.3	6.2	2	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch: 119808

Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description: 353.2 Nitrate, Unpres.

Associated Lab Samples: 7095441013

METHOD BLANK: 569388

Matrix: Water

Associated Lab Samples: 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	06/27/19 22:27	

LABORATORY CONTROL SAMPLE: 569389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 569390

Parameter	Units	7095441013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.56	109	90-110	

SAMPLE DUPLICATE: 569391

Parameter	Units	7095441013 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch: 121442 Analysis Method: SM22 4500 NH3 H
QC Batch Method: SM22 4500 NH3 H Analysis Description: 4500 Ammonia
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

METHOD BLANK: 578123 Matrix: Water
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	0.10	07/11/19 15:40	

LABORATORY CONTROL SAMPLE: 578124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.94	94	90-110	

MATRIX SPIKE SAMPLE: 578125

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	3.1	1	4.0	81	75-125	

SAMPLE DUPLICATE: 578126

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	3.1	3.2	3	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

QC Batch:	120232	Analysis Method:	EPA 9060A
QC Batch Method:	EPA 9060A	Analysis Description:	9060 TOC
Associated Lab Samples:	7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013		

METHOD BLANK: 571634 Matrix: Water
Associated Lab Samples: 7095441001, 7095441002, 7095441003, 7095441004, 7095441005, 7095441006, 7095441007, 7095441008, 7095441009, 7095441010, 7095441011, 7095441012, 7095441013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<1.0	1.0	07/02/19 17:59	
Total Organic Carbon	mg/L	<1.0	1.0	07/02/19 17:59	
Total Organic Carbon	mg/L	<1.0	1.0	07/02/19 17:59	
Total Organic Carbon	mg/L	<1.0	1.0	07/02/19 17:59	
Total Organic Carbon	mg/L	<1.0	1.0	07/02/19 17:59	

LABORATORY CONTROL SAMPLE: 571635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	10	9.2	92	85-115	
Total Organic Carbon	mg/L	10	9.3	93	85-115	
Total Organic Carbon	mg/L	10	9.2	92	85-115	
Total Organic Carbon	mg/L	10	9.2	92	85-115	
Total Organic Carbon	mg/L	10	9.3	93	85-115	

MATRIX SPIKE SAMPLE: 571637

Parameter	Units	7095441001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	3.0	10	11.6	86	75-125	
Total Organic Carbon	mg/L	2.6	10	11.7	90	75-125	
Total Organic Carbon	mg/L	2.6	10	11.6	89	75-125	
Total Organic Carbon	mg/L	3.9	10	11.6	77	75-125	
Total Organic Carbon	mg/L	2.6	10	11.4	88	75-125	

MATRIX SPIKE SAMPLE: 571639

Parameter	Units	7095441009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	8.9	10	17.6	88	75-125	
Total Organic Carbon	mg/L	8.8	10	17.6	88	75-125	
Total Organic Carbon	mg/L	8.9	10	17.6	87	75-125	
Total Organic Carbon	mg/L	8.9	10	17.6	87	75-125	
Total Organic Carbon	mg/L	8.9	10	17.7	88	75-125	

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QUALITY CONTROL DATA

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

SAMPLE DUPLICATE: 571636

Parameter	Units	7095441001 Result	Dup Result	RPD	Qualifiers
Mean Total Organic Carbon	mg/L	3.0	3.4	14	
Total Organic Carbon	mg/L	2.6	5.1	63	D6
Total Organic Carbon	mg/L	2.6	2.8	8	
Total Organic Carbon	mg/L	3.9	2.9	32	D6
Total Organic Carbon	mg/L	2.6	2.8	7	

SAMPLE DUPLICATE: 571638

Parameter	Units	7095441009 Result	Dup Result	RPD	Qualifiers
Mean Total Organic Carbon	mg/L	8.9	7.6	16	
Total Organic Carbon	mg/L	8.9	7.5	16	
Total Organic Carbon	mg/L	8.8	7.6	15	
Total Organic Carbon	mg/L	8.9	7.6	16	
Total Organic Carbon	mg/L	8.9	7.6	16	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7095441001	GW-1S				
7095441002	GW-2S				
7095441003	GW-3S				
7095441004	GW-3R				
7095441005	GW-4R				
7095441006	GW-5S				
7095441007	GW-5R				
7095441008	GW-6S				
7095441009	GW-6R				
7095441010	GW-7S				
7095441011	GW-7R				
7095441012	GW-9R				
7095441001	GW-1S	EPA 3005A	121065	EPA 6010C	121071
7095441002	GW-2S	EPA 3005A	121065	EPA 6010C	121071
7095441003	GW-3S	EPA 3005A	121065	EPA 6010C	121071
7095441004	GW-3R	EPA 3005A	121065	EPA 6010C	121071
7095441005	GW-4R	EPA 3005A	121065	EPA 6010C	121071
7095441006	GW-5S	EPA 3005A	121065	EPA 6010C	121071
7095441007	GW-5R	EPA 3005A	121065	EPA 6010C	121071
7095441008	GW-6S	EPA 3005A	121065	EPA 6010C	121071
7095441009	GW-6R	EPA 3005A	121065	EPA 6010C	121071
7095441010	GW-7S	EPA 3005A	121065	EPA 6010C	121071
7095441011	GW-7R	EPA 3005A	121065	EPA 6010C	121071
7095441012	GW-9R	EPA 3005A	121065	EPA 6010C	121071
7095441013	GW-X	EPA 3005A	121065	EPA 6010C	121071
7095441001	GW-1S	EPA 6010C	120375		
7095441005	GW-4R	EPA 6010C	120375		
7095441009	GW-6R	EPA 6010C	120375		
7095441014	GW-1S	EPA 8260C/5030C	120782		
7095441015	GW-2S	EPA 8260C/5030C	120782		
7095441016	GW-3S	EPA 8260C/5030C	120782		
7095441017	GW-3R	EPA 8260C/5030C	120782		
7095441018	GW-4R	EPA 8260C/5030C	120782		
7095441019	GW-5S	EPA 8260C/5030C	120782		
7095441020	GW-5R	EPA 8260C/5030C	120782		
7095441021	GW-6S	EPA 8260C/5030C	120782		
7095441022	GW-6R	EPA 8260C/5030C	120782		
7095441023	GW-7S	EPA 8260C/5030C	120782		
7095441024	GW-7R	EPA 8260C/5030C	120782		
7095441025	GW-9R	EPA 8260C/5030C	120782		
7095441026	GW-X	EPA 8260C/5030C	120782		
7095441027	TRIP BLANK	EPA 8260C/5030C	120782		
7095441028	STORAGE BLANK	EPA 8260C/5030C	120782		
7095441001	GW-1S	SM22 2320B	120959		
7095441002	GW-2S	SM22 2320B	120959		
7095441003	GW-3S	SM22 2320B	120959		
7095441004	GW-3R	SM22 2320B	120959		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7095441005	GW-4R	SM22 2320B	120959		
7095441006	GW-5S	SM22 2320B	120959		
7095441008	GW-6S	SM22 2320B	120959		
7095441009	GW-6R	SM22 2320B	120959		
7095441010	GW-7S	SM22 2320B	120959		
7095441011	GW-7R	SM22 2320B	120959		
7095441012	GW-9R	SM22 2320B	120959		
7095441007	GW-5R	SM22 2320B	121116		
7095441013	GW-X	SM22 2320B	121116		
7095441001	GW-1S	SM22 2340C	121348		
7095441002	GW-2S	SM22 2340C	121348		
7095441003	GW-3S	SM22 2340C	121348		
7095441004	GW-3R	SM22 2340C	121348		
7095441005	GW-4R	SM22 2340C	121348		
7095441006	GW-5S	SM22 2340C	121348		
7095441007	GW-5R	SM22 2340C	121348		
7095441008	GW-6S	SM22 2340C	121348		
7095441009	GW-6R	SM22 2340C	121348		
7095441010	GW-7S	SM22 2340C	121348		
7095441011	GW-7R	SM22 2340C	121348		
7095441012	GW-9R	SM22 2340C	121348		
7095441013	GW-X	SM22 2340C	121348		
7095441001	GW-1S	SM22 2540C	120088		
7095441002	GW-2S	SM22 2540C	120088		
7095441003	GW-3S	SM22 2540C	120088		
7095441004	GW-3R	SM22 2540C	120088		
7095441005	GW-4R	SM22 2540C	120088		
7095441006	GW-5S	SM22 2540C	120088		
7095441007	GW-5R	SM22 2540C	120088		
7095441008	GW-6S	SM22 2540C	120088		
7095441009	GW-6R	SM22 2540C	120088		
7095441010	GW-7S	SM22 2540C	120088		
7095441011	GW-7R	SM22 2540C	120088		
7095441012	GW-9R	SM22 2540C	120088		
7095441013	GW-X	SM22 2540C	120088		
7095441001	GW-1S	EPA 410.4	120637	EPA 410.4	120712
7095441002	GW-2S	EPA 410.4	120637	EPA 410.4	120712
7095441003	GW-3S	EPA 410.4	120637	EPA 410.4	120712
7095441004	GW-3R	EPA 410.4	120637	EPA 410.4	120712
7095441005	GW-4R	EPA 410.4	120637	EPA 410.4	120712
7095441006	GW-5S	EPA 410.4	120637	EPA 410.4	120712
7095441007	GW-5R	EPA 410.4	120992	EPA 410.4	121023
7095441008	GW-6S	EPA 410.4	120992	EPA 410.4	121023
7095441009	GW-6R	EPA 410.4	120992	EPA 410.4	121023
7095441010	GW-7S	EPA 410.4	120992	EPA 410.4	121023
7095441011	GW-7R	EPA 410.4	120992	EPA 410.4	121023

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7095441012	GW-9R	EPA 410.4	120992	EPA 410.4	121023
7095441013	GW-X	EPA 410.4	120992	EPA 410.4	121023
7095441001	GW-1S	EPA 300.0	121124		
7095441002	GW-2S	EPA 300.0	121124		
7095441003	GW-3S	EPA 300.0	121124		
7095441004	GW-3R	EPA 300.0	121124		
7095441005	GW-4R	EPA 300.0	121124		
7095441006	GW-5S	EPA 300.0	121124		
7095441007	GW-5R	EPA 300.0	121124		
7095441008	GW-6S	EPA 300.0	121124		
7095441009	GW-6R	EPA 300.0	121124		
7095441010	GW-7S	EPA 300.0	121124		
7095441011	GW-7R	EPA 300.0	121124		
7095441012	GW-9R	EPA 300.0	121124		
7095441013	GW-X	EPA 300.0	121124		
7095441001	GW-1S	EPA 351.2	121362	EPA 351.2	121381
7095441002	GW-2S	EPA 351.2	121362	EPA 351.2	121381
7095441003	GW-3S	EPA 351.2	121362	EPA 351.2	121381
7095441004	GW-3R	EPA 351.2	121362	EPA 351.2	121381
7095441005	GW-4R	EPA 351.2	121362	EPA 351.2	121381
7095441006	GW-5S	EPA 351.2	121362	EPA 351.2	121381
7095441007	GW-5R	EPA 351.2	121362	EPA 351.2	121381
7095441008	GW-6S	EPA 351.2	121362	EPA 351.2	121381
7095441009	GW-6R	EPA 351.2	121362	EPA 351.2	121381
7095441010	GW-7S	EPA 351.2	121362	EPA 351.2	121381
7095441011	GW-7R	EPA 351.2	121363	EPA 351.2	121382
7095441012	GW-9R	EPA 351.2	121363	EPA 351.2	121382
7095441013	GW-X	EPA 351.2	121363	EPA 351.2	121382
7095441001	GW-1S	EPA 353.2	119806		
7095441002	GW-2S	EPA 353.2	119806		
7095441003	GW-3S	EPA 353.2	119806		
7095441004	GW-3R	EPA 353.2	119806		
7095441005	GW-4R	EPA 353.2	119806		
7095441006	GW-5S	EPA 353.2	119806		
7095441007	GW-5R	EPA 353.2	119806		
7095441008	GW-6S	EPA 353.2	119806		
7095441009	GW-6R	EPA 353.2	119806		
7095441010	GW-7S	EPA 353.2	119806		
7095441011	GW-7R	EPA 353.2	119806		
7095441012	GW-9R	EPA 353.2	119806		
7095441013	GW-X	EPA 353.2	119808		
7095441001	GW-1S	EPA 353.2	119800		
7095441002	GW-2S	EPA 353.2	119800		
7095441003	GW-3S	EPA 353.2	119800		
7095441004	GW-3R	EPA 353.2	119800		
7095441005	GW-4R	EPA 353.2	119800		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7095441006	GW-5S	EPA 353.2	119800		
7095441007	GW-5R	EPA 353.2	119800		
7095441008	GW-6S	EPA 353.2	119800		
7095441009	GW-6R	EPA 353.2	119801		
7095441010	GW-7S	EPA 353.2	119801		
7095441011	GW-7R	EPA 353.2	119801		
7095441012	GW-9R	EPA 353.2	119801		
7095441013	GW-X	EPA 353.2	119801		
7095441001	GW-1S	SM22 4500 NH3 H	121442		
7095441002	GW-2S	SM22 4500 NH3 H	121442		
7095441003	GW-3S	SM22 4500 NH3 H	121442		
7095441004	GW-3R	SM22 4500 NH3 H	121442		
7095441005	GW-4R	SM22 4500 NH3 H	121442		
7095441006	GW-5S	SM22 4500 NH3 H	121442		
7095441007	GW-5R	SM22 4500 NH3 H	121442		
7095441008	GW-6S	SM22 4500 NH3 H	121442		
7095441009	GW-6R	SM22 4500 NH3 H	121442		
7095441010	GW-7S	SM22 4500 NH3 H	121442		
7095441011	GW-7R	SM22 4500 NH3 H	121442		
7095441012	GW-9R	SM22 4500 NH3 H	121442		
7095441013	GW-X	SM22 4500 NH3 H	121442		
7095441001	GW-1S	EPA 9060A	120232		
7095441002	GW-2S	EPA 9060A	120232		
7095441003	GW-3S	EPA 9060A	120232		
7095441004	GW-3R	EPA 9060A	120232		
7095441005	GW-4R	EPA 9060A	120232		
7095441006	GW-5S	EPA 9060A	120232		
7095441007	GW-5R	EPA 9060A	120232		
7095441008	GW-6S	EPA 9060A	120232		
7095441009	GW-6R	EPA 9060A	120232		
7095441010	GW-7S	EPA 9060A	120232		
7095441011	GW-7R	EPA 9060A	120232		
7095441012	GW-9R	EPA 9060A	120232		
7095441013	GW-X	EPA 9060A	120232		

REPORT OF LABORATORY ANALYSIS

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Analytic LLC

6034 Corporate Drive E. Syracuse, New York 13057
(315) 437 0255 Fax 437 1209

Chain

WO#: 7095441



Client		Project #/ Project Name		Location (city/state) Address		Lab Internal Use		Containers										Remarks	
Enalytic, LLC		Brockport Landfill		Monroe County NY														Long-Term Monitoring Analyte List ASP B EQUIS Deliverables	
Sample ID	Date	Time	Matrix	Grab or Comp	Lab Internal Use	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)				
Peter Fricano	(315) 437-0255																		
GW-1S	6/26/19	11:37 AM	GW	Grab		5	X	X	X	X	X					DJ			
GW-2S	6/26/19	12:26 PM	GW	Grab		5	X	X	X	X	X					002			
GW-3S	6/26/19	12:04 PM	GW	Grab		5	X	X	X	X	X					003			
GW-3R	6/26/19	12:11 PM	GW	Grab		5	X	X	X	X	X					004			
GW-4R	6/26/19	10:17 AM	GW	Grab		5	X	X	X	X	X					005			
GW-5S	6/26/19	10:01 AM	GW	Grab		5	X	X	X	X	X					006			
GW-5R	6/26/19	9:45 AM	GW	Grab		5	X	X	X	X	X					007			
GW-6S	6/26/19	11:06 AM	GW	Grab		5	X	X	X	X	X					008			
GW-6R (MS/MSD)	6/26/19	11:01 AM	GW	Grab		15*	X	X	X	X	X					MS/MSD Location 009			
GW-7S	6/26/19	9:31 AM	GW	Grab		5	X	X	X	X	X					010			
GW-7R	6/26/19	9:23 AM	GW	Grab		5	X	X	X	X	X					011			
GW-9R	6/26/19	12:27 PM	GW	Grab		5	X	X	X	X	X					012			
GW-X (Duplicate) (GN-5R)	6/26/19	12:26 PM	GW	Grab		5			X	X	X					013			
Equipment Blank			Water	Grab		5			X	X	X					NONE COLLECTED			
			9:45 AM PFF																

Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print)	Name of Courier
1) Field Readings: pH, Eh, SWL		N/A	N/A	Field	PETER FRICANO	KRIS MAN
2) Field Readings: Spec Cond, Temp, Turb.		N/A	N/A	Field		JAKE LONGDEN
3) Nitrate, TDS, Sulfate, Chloride, Alkalinity		Plastic	1 Liter	None	Company: ENALYTIC LLC	CASSIE DUNBAR
4) TKN, Ammonia, COD, Total Phenols		A-Glass	250 ml	H2SO4	Relinquished by: (sign)	Date Time Received by: (sign)
5) TOC	2 Vials	Glass	40 ml	H2SO4	Peter Fricano	6/26/19 15:25
6) T-Sb, As, Ba, B, Ca, Fe, Mg, Mn, K, Na, Hardness		Plastic	250 ml	HNO3	Relinquished by: (sign)	Date Time Received by: (sign)
7) D-Sb, As, Ba, Ca, Fe, Mg, Mn, K, Na		Plastic	250 ml	None	Peter Fricano	6/26/19 17:00
8)						
9)						
Dissolved Metals if Field Turbidity >50 NTU.					Relinquished by: (sign)	Date Time Rec'd for Lab by:
Please Filter for Dissolved Metals at Lab.						
* Additional volume submitted for the MS/MSD samples.						



Sample Condition Upon Receipt

WO#: 7095441

PM: JSA Due Date: 07/12/19
CLIENT: ENALYTIC

Client Name:

Enalytic

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

7755 7595 6143

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ NoPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: TH091

Correction Factor: +0.2

Cooler Temperature (°C): 4.8

Cooler Temperature Corrected (°C): 5.0

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sample

Date and Initials of person examining contents: J.T. 6/27/19

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NODid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix S _L WT OIL		
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NAOH > 12 Cyanide)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		Initial when completed: Lot # of added preservative: Date/Time preservative added
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #		
Residual chlorine strips Lot #		Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

LAB received bottles for "GW-15" GW-4R and GW-6R for dissolved metals. This was not included on chain of custody.

Analytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client:

Larsen Engineering

Project:

Brockport Landfill

Lab ID No. (enter by lab)

Well ID.:

GW-1S

Condition of Well:

Good

Locked:

Yes

Method of Evacuation:

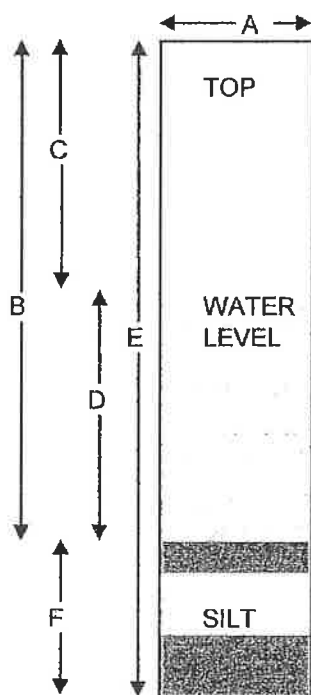
HDPE Bailer (New)

Lock ID:

10G151

Method of Sampling:

HDPE Bailer (New)



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	15.45	feet
C.	Depth to Water	3.8	feet
D.	Length of Water Column (calculated)	11.65	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	1.86	gallons
	No. of Volumes to be Evacuated	x 3	----
	Total Volume to be Evacuated	5.6	gallons
	Actual Volume Evacuated	10	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/A	feet

Field Measurements

Initial Evacuation

Final Sampling

% Recharge:

Date	6/25/2019
Time	12:01pm
EH	-158
Temperature	16.2
pH	7.37
Specific Cond.	530
Turbidity	18.5
Dissolved Oxygen	N/A
Appearance	Lt. Reddish

Date	6/26/2019
Time	11:37am
EH	56
Temperature	19.3
pH	7.41
Specific Cond.	628
Turbidity	163
Dissolved Oxygen	N/A
Appearance	Reddish

Initial Depth to Water	3.8
Recharge Depth to Water	5.2 feet
2nd water column height	88 %
1st water column height	
Elevation(Top of Casing)	N/A feet
G.W. Elevation=	N/A feet
G.W.Elevation =Top of Case Elev-Total Depth	

Weather:

84degF Clear

Observations

Dissolved Metals

Sampler: Peter Fricano, Kris Mann
Cassie Dunbar, Jake Longden

Signature:

002

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client: Larsen Engineering
 Project: Brockport Landfill
 Well ID.: GW-2S

Lab ID No. (enter by lab)

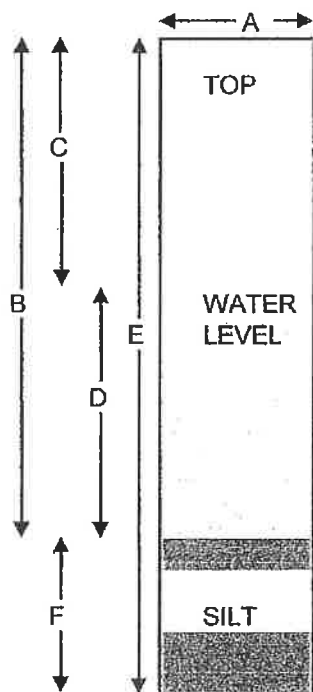
Condition of Well: Good

Locked: Lock Rusted/Frozen

Method of Evacuation: Dedicated Bailer

Lock ID: 5H82

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>21.11</u>	feet
C.	Depth to Water	<u>9.8</u>	feet
D.	Length of Water Column (calculated)	<u>11.3</u>	feet
	Conversion Factor	<u>X.16</u>	-----
	Well Volume (calculated)	<u>1.81</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	-----
	Total Volume to be Evacuated	<u>5.43</u>	gallons
	Actual Volume Evacuated	<u>6</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	<u>6/25/2019</u>
Time	<u>10:40am</u>
EH	<u>-92</u>
Temperature	<u>20.5</u>
pH	<u>7.22</u>
Specific Cond.	<u>416</u>
Turbidity	<u>112</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Clear w/ debris</u>

Date	<u>6/26/2019</u>
Time	<u>12:26pm</u>
EH	<u>-133</u>
Temperature	<u>21.1</u>
pH	<u>6.56</u>
Specific Cond.	<u>380</u>
Turbidity	<u>15.2</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Clear w/ debris</u>

% Recharge:

Initial Depth to Water 9.8 feet

Recharge Depth to Water 8.7 feet

2nd water column height 101 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 84degF Clear
 Observations: _____

Sampler: Peter Fricano, Kris Mann
Cassie Dunbar, Jake Longden
 Signature: _____

-003

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client:

Larsen Engineering

Project:

Brockport Landfill

Lab ID No. (enter by lab)

Well ID.:

GW-3S

Condition of Well:

Good

Locked:

Yes

Method of Evacuation:

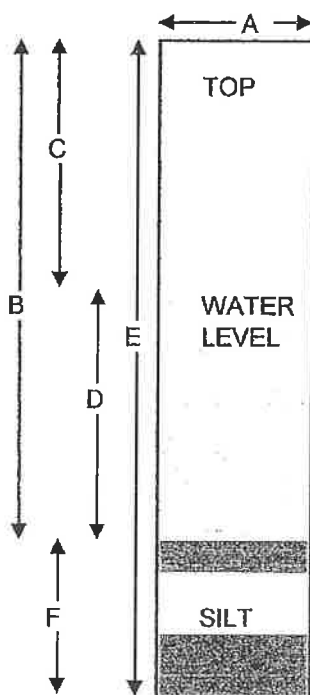
HDPE Bailer (New)

Lock ID:

10G151

Method of Sampling:

HDPE Bailer (New)



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	20.22	feet
C.	Depth to Water	2.5	feet
D.	Length of Water Column (calculated)	18.85	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	2.86	gallons
	No. of Volumes to be Evacuated	x 3	----
	Total Volume to be Evacuated	8.6	gallons
	Actual Volume Evacuated	25	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/A	feet

Field Measurements

Initial Evacuation

Final Sampling

% Recharge:

Date	6/25/2019
Time	10:10am
EH	-151
Temperature	15.8
pH	7.30
Specific Cond.	952
Turbidity	24.0
Dissolved Oxygen	N/A
Appearance	Clear w/debris

Date	6/26/2019
Time	12:04pm
EH	-144
Temperature	18.6
pH	7.23
Specific Cond.	953
Turbidity	48.6
Dissolved Oxygen	N/A
Appearance	Clear w/debris

Initial Depth to Water	2.5	feet
Recharge Depth to Water	4.6	feet
2nd water column height	89	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet
G.W.Elevation =Top of Case Elev-Total Depth		

Weather: 84degF Clear

Observations:

Sampler: Peter Fricano, Kris Mann
Cassie Dunbar, Jake Longden

Signature:

004

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client:

Larsen Engineering

Project:

Brockport Landfill

ULI ID No. (enter by lab)

Well ID.:

GW-3R

Condition of Well:

Good

Locked:

Yes

Method of Evacuation:

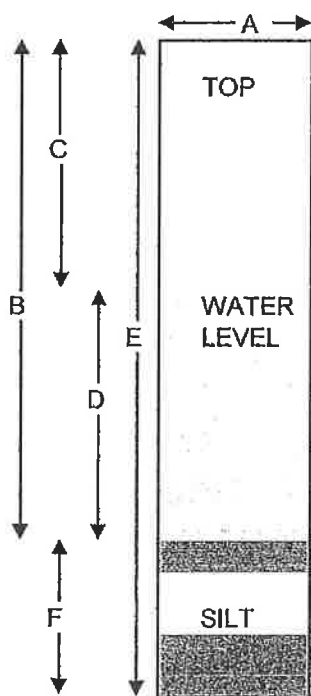
Dedicated Bailer

Lock ID:

10G151

Method of Sampling:

Dedicated Bailer



A.	Diameter of Well	<u>4"</u>	inches
B.	Well Depth Measured	<u>37.66</u>	feet
C.	Depth to Water	<u>6.7</u>	feet
D.	Length of Water Column (calculated)	<u>30.96</u>	feet
	Conversion Factor	<u>X.65</u>	----
	Well Volume (calculated)	<u>20.1</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	----
	Total Volume to be Evacuated	<u>60.3</u>	gallons
	Actual Volume Evacuated	<u>60</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	<u>6/25/2019</u>
Time	<u>10:15am</u>
EH	<u>-184</u>
Temperature	<u>11.3</u>
pH	<u>7.77</u>
Specific Cond.	<u>634</u>
Turbidity	<u>678</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Cloudy</u>

Date	<u>6/26/2019</u>
Time	<u>12:11pm</u>
EH	<u>-158</u>
Temperature	<u>14.4</u>
pH	<u>7.72</u>
Specific Cond.	<u>592</u>
Turbidity	<u>44.2</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Clear</u>

% Recharge:

Initial Depth to Water 6.7 feet

Recharge Depth to Water 5.8 feet

2nd water column height 97 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler: Peter Fricano, Kris Mann
Cassie Dunbar, Jake Longden

Signature:

Weather:

84degF Clear

Observations:

005

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client:

Larsen Engineering

Project:

Brockport Landfill

Well ID.:

GW-4R

Lab ID No. (enter by lab)

Condition of Well:

Good

Locked:

Yes

Method of Evacuation:

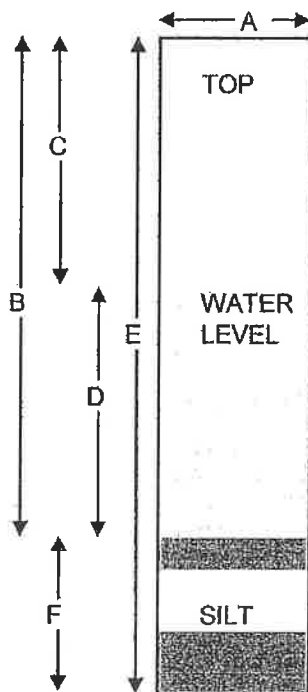
Dedicated Bailer

Lock ID:

10G151

Method of Sampling:

Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	61.9	feet
C.	Depth to Water	12.5	feet
D.	Length of Water Column (calculated)	39.2	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	6.27	gallons
	No. of Volumes to be Evacuated	x 3	-----
	Total Volume to be Evacuated	18.9	gallons
	Actual Volume Evacuated	18	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated)	N/A	feet

Field Measurements

Initial Evacuation

Final Sampling

% Recharge:

Date	6/25/2019
Time	9:15am
EH	-110
Temperature	16.1
pH	8.22
Specific Cond.	5640
Turbidity	59.2
Dissolved Oxygen	N/A
Appearance	Clear

Date	6/26/2019
Time	10:17am
EH	-104
Temperature	13.2
pH	8.14
Specific Cond.	6440
Turbidity	113
Dissolved Oxygen	N/A
Appearance	Clear

Initial Depth to Water	12.5	feet
Recharge Depth to Water	8.5	feet
2nd water column height	90	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet
G.W.Elevation =Top of Case Elev-Total Depth		

Weather: 84degF Clear

Observations: Dissolved Metals

Sampler: Peter Fricano, Kris Mann
Cassie Dunbar, Jake Longden

Signature:

066

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client: Larsen Engineering
 Project: Brockport Landfill
 Well ID.: GW-5S

LAB ID No. (enter by lab)

Condition of Well: Good

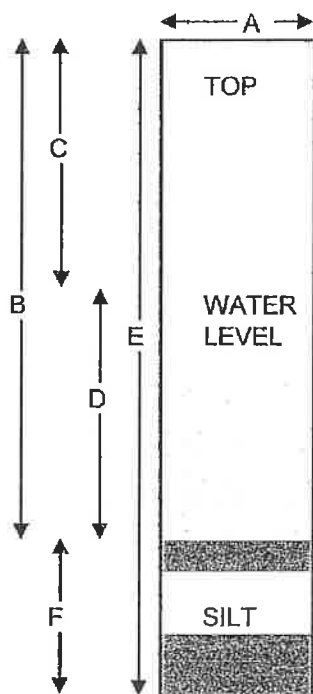
Locked: Yes-Lock Rusted/Frozen

Method of Evacuation: Dedicated Bailer

Lock ID: 10G151

Method of Sampling: Dedicated Bailer

ock Rusted/Frozen



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>9.62</u>	feet
C.	Depth to Water	<u>3.8</u>	feet
D.	Length of Water Column (calculated)	<u>5.82</u>	feet
	Conversion Factor	<u>X.16</u>	-----
	Well Volume (calculated)	<u>0.93</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	-----
	Total Volume to be Evacuated	<u>2.79</u>	gallons
	Actual Volume Evacuated	<u>5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	<u>6/25/2019</u>
Time	<u>9:48am</u>
EH	<u>-126</u>
Temperature	<u>19.3</u>
pH	<u>7.43</u>
Specific Cond.	<u>1629</u>
Turbidity	<u>7.69</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	

Date	<u>6/26/2019</u>
Time	<u>10:01am</u>
EH	<u>-28</u>
Temperature	<u>17.4</u>
pH	<u>7.08</u>
Specific Cond.	<u>2760</u>
Turbidity	<u>7.11</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	

% Recharge:

Initial Depth to Water 3.8 feet

Recharge Depth to Water 5.4 feet

2nd water column height 73 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation=N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler: Peter Fricano, Kris Mann
 Cassie Dunbar, Jake Longden

Signature:

Weather: 84degF Clear

Observations:

007

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client:

Larsen Engineering

Project:

Brockport Landfill

Lab ID No. (enter by lab)

Well ID.:

GW-5R

Condition of Well:

Good

Locked:

Yes

Method of Evacuation:

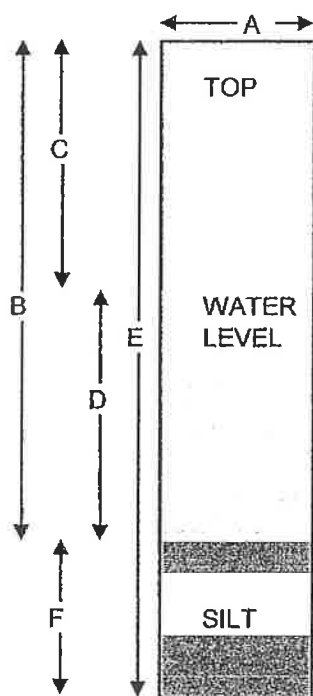
Dedicated Bailer

Lock ID:

10G151

Method of Sampling:

Dedicated Bailer



A.	Diameter of Well	<u>4"</u>	inches
B.	Well Depth Measured	<u>25.15</u>	feet
C.	Depth to Water	<u>2.9</u>	feet
D.	Length of Water Column (calculated)	<u>22.25</u>	feet
	Conversion Factor	<u>X.65</u>	-----
	Well Volume (calculated)	<u>14.46</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	-----
	Total Volume to be Evacuated	<u>43.4</u>	gallons
	Actual Volume Evacuated	<u>40</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	<u>6/25/2019</u>
Time	<u>9:31am</u>
EH	<u>-140</u>
Temperature	<u>16.1</u>
pH	<u>7.02</u>
Specific Cond.	<u>3390</u>
Turbidity	<u>117</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Clear</u>

Date	<u>6/26/2019</u>
Time	<u>9:45am</u>
EH	<u>O/R</u>
Temperature	<u>16.9</u>
pH	<u>6.92</u>
Specific Cond.	<u>3350</u>
Turbidity	<u>49</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Clear</u>

% Recharge:

Initial Depth to Water 2.9 feet

Recharge Depth to Water 3.5 feet

2nd water column height 97 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation=N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler: Peter Fricano, Kris Mann

Cassie Dunbar, Jake Longden

Signature:

Weather:

84degF Clear

Observations:

008

Enalytic, LLC**Ground water Field Log**

File: TS-30-01

Revised: 7/13/15

Client:

Larsen Engineering

Project:

Brockport Landfill

Lab ID No. (enter by lab)

Well ID.:

GW-6S

Condition of Well:

Poor

Locked:

No

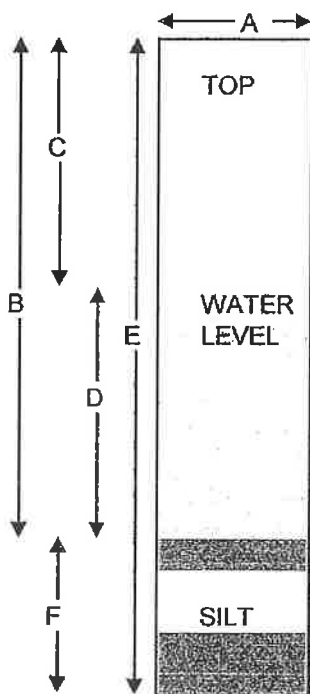
Method of Evacuation:

Dedicated Bailer

Lock ID:

10G151

Method of Sampling:

Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>19.72</u>	feet
C.	Depth to Water	<u>7.1</u>	feet
D.	Length of Water Column (calculated)	<u>12.62</u>	feet
	Conversion Factor	<u>X.16</u>	----
	Well Volume (calculated)	<u>2.02</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	----
	Total Volume to be Evacuated	<u>6.06</u>	gallons
	Actual Volume Evacuated	<u>6</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements**Initial Evacuation****Final Sampling****% Recharge:**

Date	<u>6/25/2019</u>
Time	<u>11:04am</u>
EH	<u>67</u>
Temperature	<u>14.3</u>
pH	<u>6.92</u>
Specific Cond.	<u>594</u>
Turbidity	<u>26.5</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Clear</u>

Date	<u>6/26/2019</u>
Time	<u>11:06am</u>
EH	<u>55</u>
Temperature	<u>15.2</u>
pH	<u>7.02</u>
Specific Cond.	<u>710</u>
Turbidity	<u>49.3</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Clear</u>

Initial Depth to Water 7.1 feetRecharge Depth to Water 6.8 feet2nd water column height 98 %

1st water column height

Elevation(Top of Casing) N/A feetG.W. Elevation=N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

 Sampler: Peter Fricano, Kris Mann
Cassie Dunbar, Jake Longden

Signature:

Weather:

84degF Clear

Observations:

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client:

Larsen Engineering

Project:

Brockport Landfill

Lab ID No. (enter by lab)

Well ID.:

GW-6R

Condition of Well:

Good

Locked:

Yes

Method of Evacuation:

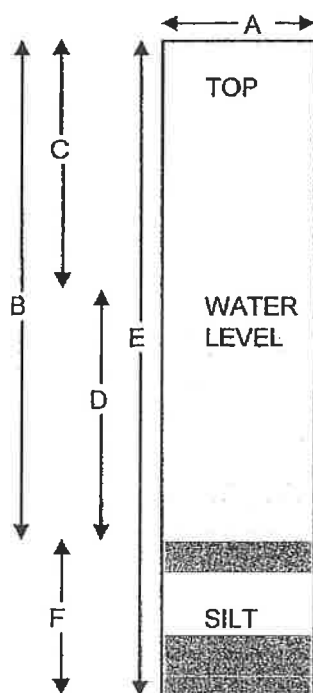
HDPE Bailer (New)

Lock ID:

10G151

Method of Sampling:

HDPE Bailer (New)



A.	Diameter of Well	<u>4"</u>	inches
B.	Well Depth Measured	<u>35.93</u>	feet
C.	Depth to Water	<u>7.6</u>	feet
D.	Length of Water Column (calculated)	<u>28.41</u>	feet
	Conversion Factor	<u>X.65</u>	-----
	Well Volume (calculated)	<u>18.46</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	-----
	Total Volume to be Evacuated	<u>55.4</u>	gallons
	Actual Volume Evacuated	<u>55</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

Date	<u>6/25/2019</u>
Time	<u>11:07am</u>
EH	<u>-22</u>
Temperature	<u>14.5</u>
pH	<u>7.18</u>
Specific Cond.	<u>1176</u>
Turbidity	<u>45.5</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Clear</u>

Date	<u>6/26/2019</u>
Time	<u>11:01am</u>
EH	<u>-19</u>
Temperature	<u>14.3</u>
pH	<u>6.99</u>
Specific Cond.	<u>1720</u>
Turbidity	<u>109</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Lt. Reddish</u>

% Recharge:

Initial Depth to Water 7.6 feet

Recharge Depth to Water 7.6 feet

2nd water column height 100 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather:

84degF Clear

Observations:

Dissolved Metals

Sampler: Peter Fricano, Kris Mann

Cassie Dunbar, Jake Longden

Signature:

010

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client: Larsen Engineering
 Project: Brockport Landfill
 Well ID.: GW-7S

Lab ID No. (enter by lab)

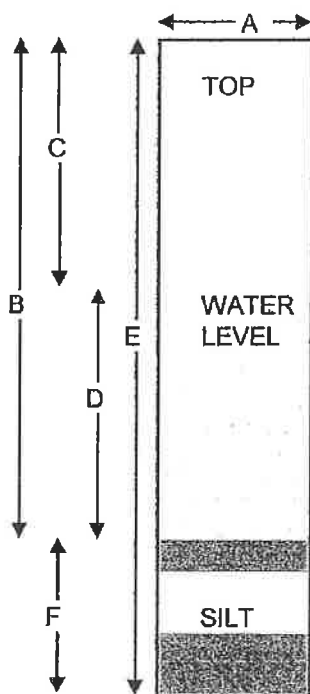
Condition of Well: Good

Locked: Yes

Method of Evacuation: Dedicated Bailer

Lock ID: 10G151

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>20.1</u>	feet
C.	Depth to Water	<u>4.6</u>	feet
D.	Length of Water Column (calculated)	<u>15.5</u>	feet
	Conversion Factor	<u>X.16</u>	----
	Well Volume (calculated)	<u>2.48</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	----
	Total Volume to be Evacuated	<u>7.44</u>	gallons
	Actual Volume Evacuated	<u>8</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

% Recharge:

Date	<u>6/25/2019</u>
Time	<u>11:25am</u>
EH	<u>-160</u>
Temperature	<u>13.7</u>
pH	<u>7.31</u>
Specific Cond.	<u>721</u>
Turbidity	<u>11.8</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Clear</u>

Date	<u>6/26/2019</u>
Time	<u>9:31am</u>
EH	<u>-68</u>
Temperature	<u>15.3</u>
pH	<u>7.23</u>
Specific Cond.	<u>758</u>
Turbidity	<u>48.0</u>
Dissolved Oxygen	<u>N/A</u>
Appearance	<u>Clear</u>

Initial Depth to Water 4.6 feet

Recharge Depth to Water 5.0 feet

2nd water column height 97 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation=N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 84degF Clear

Observations:

Sampler: Peter Fricano, Kris Mann
Cassie Dunbar, Jake Longden

Signature:

011

Enalytic, LLC

Ground water Field Log

File: TS-30-01

Revised: 7/13/15

Client: **Larsen Engineering**
 Project: **Brockport Landfill**
 Well ID.: **GW-7R**

Lab ID No. (enter by lab)

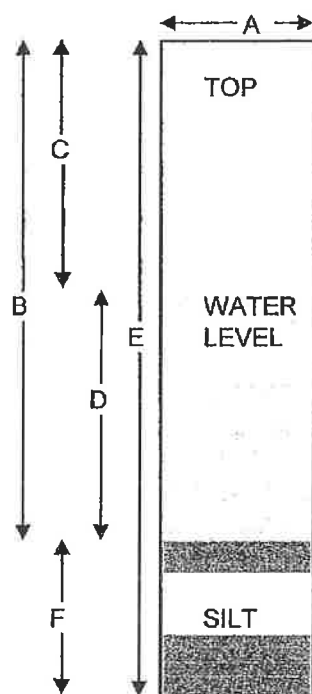
Condition of Well: Good

Locked: No

Method of Evacuation: Dedicated Bailer

Lock ID: Lid doesn't close

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	<u>4"</u>	inches
B.	Well Depth Measured	<u>34.6</u>	feet
C.	Depth to Water	<u>6.7</u>	feet
D.	Length of Water Column (calculated)	<u>27.9</u>	feet
	Conversion Factor	<u>X.65</u>	----
	Well Volume (calculated)	<u>18.1</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	----
	Total Volume to be Evacuated	<u>54.4</u>	gallons
	Actual Volume Evacuated	<u>50</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/25/2019</u>	<u>6/26/2019</u>
Time	<u>11:16am</u>	<u>9:23am</u>
EH	<u>-140</u>	<u>-155</u>
Temperature	<u>14.1</u>	<u>12.8</u>
pH	<u>7.18</u>	<u>7.22</u>
Specific Cond.	<u>2300</u>	<u>2050</u>
Turbidity	<u>75.7</u>	<u>41.7</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Lt. reddish</u>	<u>Lt. Reddish</u>

% Recharge:

Initial Depth to Water 6.7 feet

Recharge Depth to Water 7.0 feet

2nd water column height 100 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler: Peter Fricano, Kris Mann
Cassie Dunbar, Jake Longden

Signature:

Weather: 84degF Clear
 Observations: _____

012

Enalytic, LLC

Ground water Field Log

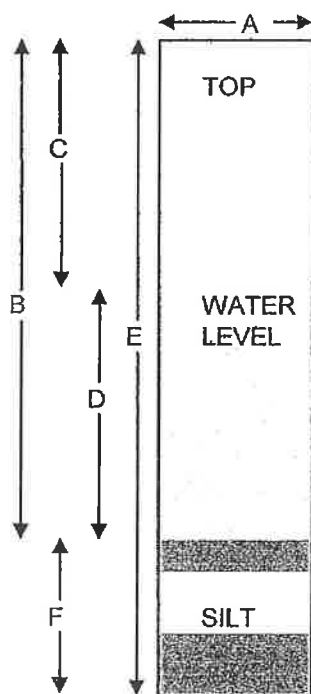
File: TS-30-01

Revised: 7/13/15

Client: Larsen Engineering
 Project: Brockport Landfill
 Well ID.: GW-9R

Lab ID No. (enter by lab)

Condition of Well: Good Locked: Yes
 Method of Evacuation: HDPE Bailer (New) Lock ID: 10G151
 Method of Sampling: HDPE Bailer (New)



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>18.58</u>	feet
C.	Depth to Water	<u>3.8</u>	feet
D.	Length of Water Column (calculated)	<u>14.78</u>	feet
	Conversion Factor	<u>X.16</u>	----
	Well Volume (calculated)	<u>2.36</u>	gallons
	No. of Volumes to be Evacuated	<u>x 3</u>	----
	Total Volume to be Evacuated	<u>7.1</u>	gallons
	Actual Volume Evacuated	<u>10</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/25/2019</u>	<u>6/26/2019</u>
Time	<u>1:10pm</u>	<u>12:27pm</u>
EH	<u>-148</u>	<u>-13</u>
Temperature	<u>15.8</u>	<u>13.8</u>
pH	<u>7.22</u>	<u>7.04</u>
Specific Cond.	<u>418</u>	<u>383</u>
Turbidity	<u>107</u>	<u>46</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear</u>	<u>Clear</u>
Weather:	<u>84degF Clear</u>	
Observations:	<u></u>	

% Recharge:

Initial Depth to Water	<u>3.8</u>	feet
Recharge Depth to Water	<u>4.3</u>	feet
2nd water column height	<u>97</u>	%
1st water column height		
Elevation(Top of Casing)	<u>N/A</u>	feet
G.W. Elevation=	<u>N/A</u>	feet
G.W.Elevation =Top of Case Elev-Total Depth		
Sampler: Peter Fricano, Kris Mann		
Cassie Dunbar, Jake Longden		
Signature: <u></u>		

ANALYTICAL REPORT

Job Number: 420-156225-1

SDG Number: 7095441

Job Description: Pace Analytical Services, Inc.-Mellville

For:

Pace Analytical Mellville
575 Broadhollow Road
Melville, NY 11747

Attention: James Murphy

Laura Marciano

Laura L Marciano

Customer Service Manager

lmarciano@envirotestlaboratories.com

07/15/2019

cc: Ms. Jen Aracri
Betty Harrison
Accounts Payable
Sophia Sparkes

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EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

EXECUTIVE SUMMARY - Detections

Client: Pace Analytical Melville

Job Number: 420-156225-1

Sdg Number: 7095441

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
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No Detections

METHOD SUMMARY

Client: Pace Analytical Mellville

Job Number: 420-156225-1

SDG Number: 7095441

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Phenolics (Total Recoverable, Colorimetric, Semi-Automated, with Distillation)	EnvTest	EPA EPA 420.4 Rev.1	
Distillation/Phenolics	EnvTest		Distill/Phenol

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Pace Analytical Melville

Job Number: 420-156225-1

SDG Number: 7095441

Method	Analyst	Analyst ID
EPA EPA 420.4 Rev.1	Mastrobuono, Danielle	DM

SAMPLE SUMMARY

Client: Pace Analytical Melville

Job Number: 420-156225-1

SDG Number: 7095441

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-156225-1	GW-2S	Water	06/26/2019 1226	07/02/2019 0930
420-156225-2	GW-3S	Water	06/26/2019 1204	07/02/2019 0930
420-156225-3	GW-3R	Water	06/26/2019 1211	07/02/2019 0930
420-156225-4	GW-4R	Water	06/26/2019 1017	07/02/2019 0930
420-156225-5	GW-5S	Water	06/26/2019 1001	07/02/2019 0930
420-156225-6	GW-5R	Water	06/26/2019 0945	07/02/2019 0930
420-156225-7	GW-6S	Water	06/26/2019 1106	07/02/2019 0930
420-156225-8	GW-6R	Water	06/26/2019 1101	07/02/2019 0930
420-156225-9	GW-7S	Water	06/26/2019 0931	07/02/2019 0930
420-156225-10	GW-7R	Water	06/26/2019 0923	07/02/2019 0930
420-156225-11	GW-9R	Water	06/26/2019 1227	07/02/2019 0930
420-156225-12	GW-X	Water	06/26/2019 0945	07/02/2019 0930

SAMPLE RESULTS

Analytical Data

Client: Pace Analytical Mellville

Job Number: 420-156225-1

Sdg Number: 7095441

General Chemistry**Client Sample ID: GW-2S**

Lab Sample ID: 420-156225-1

Client Matrix: Water

Date Sampled: 06/26/2019 1226

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Anly Batch:		Date Analyzed	07/11/2019	1548			
Prep Batch:		Date Prepared:	07/11/2019	0925			

Client Sample ID: GW-3S

Lab Sample ID: 420-156225-2

Client Matrix: Water

Date Sampled: 06/26/2019 1204

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Anly Batch:		Date Analyzed	07/11/2019	1549			
Prep Batch:		Date Prepared:	07/11/2019	0925			

Client Sample ID: GW-3R

Lab Sample ID: 420-156225-3

Client Matrix: Water

Date Sampled: 06/26/2019 1211

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Anly Batch:		Date Analyzed	07/11/2019	1550			
Prep Batch:		Date Prepared:	07/11/2019	0925			

Client Sample ID: GW-4R

Lab Sample ID: 420-156225-4

Client Matrix: Water

Date Sampled: 06/26/2019 1017

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Anly Batch:		Date Analyzed	07/11/2019	1550			
Prep Batch:		Date Prepared:	07/11/2019	0925			

Client Sample ID: GW-5S

Lab Sample ID: 420-156225-5

Client Matrix: Water

Date Sampled: 06/26/2019 1001

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Anly Batch:		Date Analyzed	07/11/2019	1551			
Prep Batch:		Date Prepared:	07/11/2019	0925			

Analytical Data

Client: Pace Analytical Mellville

Job Number: 420-156225-1

Sdg Number: 7095441

General Chemistry**Client Sample ID: GW-5R**

Lab Sample ID: 420-156225-6

Client Matrix: Water

Date Sampled: 06/26/2019 0945

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	07/11/2019 1551				
Prep Batch:		Date Prepared:	07/11/2019 0925				

Client Sample ID: GW-6S

Lab Sample ID: 420-156225-7

Client Matrix: Water

Date Sampled: 06/26/2019 1106

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	07/11/2019 1552				
Prep Batch:		Date Prepared:	07/11/2019 0925				

Client Sample ID: GW-6R

Lab Sample ID: 420-156225-8

Client Matrix: Water

Date Sampled: 06/26/2019 1101

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	07/11/2019 1552				
Prep Batch:		Date Prepared:	07/11/2019 0925				

Client Sample ID: GW-7S

Lab Sample ID: 420-156225-9

Client Matrix: Water

Date Sampled: 06/26/2019 0931

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	07/11/2019 1557				
Prep Batch:		Date Prepared:	07/11/2019 0925				

Client Sample ID: GW-7R

Lab Sample ID: 420-156225-10

Client Matrix: Water

Date Sampled: 06/26/2019 0923

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Any Batch:		Date Analyzed	07/11/2019 1558				
Prep Batch:		Date Prepared:	07/11/2019 0925				

Analytical Data

Client: Pace Analytical Mellville

Job Number: 420-156225-1

Sdg Number: 7095441

General Chemistry

Client Sample ID: GW-9R

Lab Sample ID: 420-156225-11

Client Matrix: Water

Date Sampled: 06/26/2019 1227

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Anly Batch:		Date Analyzed	07/11/2019 1558				
Prep Batch:		Date Prepared:	07/11/2019 0925				

Client Sample ID: GW-X

Lab Sample ID: 420-156225-12

Client Matrix: Water

Date Sampled: 06/26/2019 0945

Date Received: 07/02/2019 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Anly Batch:		Date Analyzed	07/11/2019 1559				
Prep Batch:		Date Prepared:	07/11/2019 0925				

DATA REPORTING QUALIFIERS

Client: Pace Analytical Melville

Job Number:
Sdg Number: 7095441

Lab Section	Qualifier	Description
General Chemistry	U	Indicates analyzed for but not detected.

Certification Information

Client: Pace Analytical Melville

Job Number:

Sdg Number: 7095441

The following analytes are Not Part of the ELAP scope of accreditation:

Sulfur, Tungsten, Bicarbonate Alkalinity, 7 Day BOD 5210C, 28 Day BOD, Soluble BOD, Carbon Dioxide, Carbonate Alkalinity, CBOD Soluble, Chlorine, Cyanide (WAD), Ferrous Iron, Ferric Iron, Total Nitrogen, Total Organic Nitrogen, Dissolved Oxygen, pH, Solids (Fixed), Solids (Percent), Solids (Percent Moisture), Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), COD (Soluble), Total Inorganic Carbon, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, 1-Chlorohexane, 1,2,4,5-Tetramethylbenzene, 4-Ethyl toluene, p-Diethylbenzene, Iron Bacteria, Salmonella, Sulfur Reducing Bacteria, & UOD (Ultimate Oxygen Demand).

The following analytes are Not Part of ELAP Potable Water scope of accreditation:

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), Nitrate-Nitrite (10-107-4-1C, 353.2), m-Xylene & p-Xylene (502.2, 524), o-Xylene (502.2, 524), Sulfide (SM4500SD), Acenaphthene (525.2), Acenaphthylene (525.2), Fluoranthene (525.2), Fluorene (525.2), Phenanthrene (525.2), Anthracene (525.2), Pyrene (525.2), Benzo[a]anthracene (525.2), Benzo[b]fluoranthene (525.2), Benzo[g,h,i]perylene (525.2), Benzo[k]fluoranthene (525.2), Indeno[1,2,3-cd]pyrene (525.2), & Dibenzo(a,h)anthracene (525.2).

The following analytes are Not Part of ELAP Solid and Hazardous Waste scope of accreditation:

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), 1,2-Dichloro-1,1,2-trifluoroethane (8260), & Chlorodifluoromethane (8260).

The following analytes are Not Part of ELAP Non Potable Water scope of accreditation:

Dissolved Organic Carbon (5310C), Mecoprop (8151A), MCPA (8151A), Propylene Glycol (8015D).

Definitions and Glossary

Client: Pace Analytical Melville

Job Number:

Sdg Number: 7095441

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Pace Analytical Melville

Job Number: 420-156225-1

Sdg Number: 7095441

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 420-133354					
LCS 420-133354/3-A	Lab Control Spike	T	Water	Distill/Phenol	
MB 420-133354/2-A	Method Blank	T	Water	Distill/Phenol	
420-156225-1	GW-2S	T	Water	Distill/Phenol	
420-156225-2	GW-3S	T	Water	Distill/Phenol	
420-156225-3	GW-3R	T	Water	Distill/Phenol	
420-156225-4	GW-4R	T	Water	Distill/Phenol	
420-156225-5	GW-5S	T	Water	Distill/Phenol	
420-156225-6	GW-5R	T	Water	Distill/Phenol	
420-156225-7	GW-6S	T	Water	Distill/Phenol	
420-156225-8	GW-6R	T	Water	Distill/Phenol	
420-156225-8MS	Matrix Spike	T	Water	Distill/Phenol	
420-156225-8MSD	Matrix Spike Duplicate	T	Water	Distill/Phenol	
420-156225-9	GW-7S	T	Water	Distill/Phenol	
420-156225-10	GW-7R	T	Water	Distill/Phenol	
420-156225-11	GW-9R	T	Water	Distill/Phenol	
420-156225-12	GW-X	T	Water	Distill/Phenol	
Analysis Batch:420-133405					
LCS 420-133354/3-A	Lab Control Spike	T	Water	EPA 420.4 Rev.1	420-133354
MB 420-133354/2-A	Method Blank	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-1	GW-2S	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-2	GW-3S	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-3	GW-3R	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-4	GW-4R	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-5	GW-5S	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-6	GW-5R	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-7	GW-6S	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-8	GW-6R	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-8MS	Matrix Spike	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-8MSD	Matrix Spike Duplicate	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-9	GW-7S	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-10	GW-7R	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-11	GW-9R	T	Water	EPA 420.4 Rev.1	420-133354
420-156225-12	GW-X	T	Water	EPA 420.4 Rev.1	420-133354

Report Basis

T = Total

Quality Control Results

Client: Pace Analytical Melville

Job Number: 420-156225-1

Sdg Number: 7095441

Method Blank - Batch: 420-133354

Method: EPA 420.4 Rev.1
Preparation: Distill/Phenol

Lab Sample ID: MB 420-133354/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2019 1547
Date Prepared: 07/11/2019 0925

Analysis Batch: 420-133405
Prep Batch: 420-133354
Units: mg/L

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_7-11-2019_03-45-07PM.
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Result	Qual	RL	RL
Phenolics, Total Recoverable	0.010	U	0.010	0.010

Lab Control Spike - Batch: 420-133354

Method: EPA 420.4 Rev.1
Preparation: Distill/Phenol

Lab Sample ID: LCS 420-133354/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2019 1547
Date Prepared: 07/11/2019 0925

Analysis Batch: 420-133405
Prep Batch: 420-133354
Units: mg/L

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_7-11-2019_03-45-07PM.
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.0500	0.050	100	57 - 123	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 420-133354

Method: EPA 420.4 Rev.1
Preparation: Distill/Phenol

MS Lab Sample ID: 420-156225-8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2019 1605
Date Prepared: 07/11/2019 0925

Analysis Batch: 420-133405
Prep Batch: 420-133354

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_7-11-2019_03-45-07PM.
Initial Weight/Volume: mL
Final Weight/Volume: mL

MSD Lab Sample ID: 420-156225-8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2019 1556
Date Prepared: 07/11/2019 0925

Analysis Batch: 420-133405
Prep Batch: 420-133354

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_7-11-2019_03-45-07PM.
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenolics, Total Recoverable	89	91	55 - 136	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

PASI New York Laboratory

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Workorder: 7095441

Workorder Name: BROCKPORT LANDFILL

Results Requested By: 7/12/2019

[illegible]

*sample not received 7BE

GW-9R

420-156225-B-11

Date Sampled: 6/26/2019

420-1357539

					Comments
Transfers	Released By	Date/Time	Received By	Date/Time	
1	<i>[Signature]</i>	7/11/19 1800	<i>[Signature]</i>	7/12/19 9:30 AM	
2					
3					
Cooler Temperature on Receipt <i>2.5</i> °C		Custody Seal Y or <i>N</i>		Received on Ice Y or <i>N</i>	Samples Intact Y or <i>N</i>

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LOGIN SAMPLE RECEIPT CHECK LIST

Client: Pace Analytical Melville

Job Number: 420-156225-1

SDG Number: 7095441

Login Number: 156225

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	2.5 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 420-157149-1

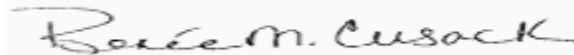
SDG Number: 7095441

Job Description: Pace Analytical Services, Inc.-Mellville

For:

Pace Analytical Mellville
575 Broadhollow Road
Melville, NY 11747

Attention: James Murphy



Designee for

Laura L Marciano

Customer Service Manager

lmarciano@envirotestlaboratories.com

07/24/2019

cc: Ms. Jen Aracri
Betty Harrison
Accounts Payable
Sophia Sparkes

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EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

General Chemistry

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Pace Analytical Melville

Job Number: 420-157149-1

Sdg Number: 7095441

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
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No Detections

METHOD SUMMARY

Client: Pace Analytical Mellville

Job Number: 420-157149-1

SDG Number: 7095441

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Phenolics (Total Recoverable, Colorimetric, Semi-Automated, with Distillation)	EnvTest	EPA EPA 420.4 Rev.1	
Distillation/Phenolics	EnvTest		Distill/Phenol

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Pace Analytical Melville

Job Number: 420-157149-1

SDG Number: 7095441

Method	Analyst	Analyst ID
EPA EPA 420.4 Rev.1	Mastrobuono, Danielle	DM

SAMPLE SUMMARY

Client: Pace Analytical Melville

Job Number: 420-157149-1

SDG Number: 7095441

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-157149-1	GW-1S	Water	06/26/2019 1137	07/18/2019 0855

SAMPLE RESULTS

Analytical Data

Client: Pace Analytical Melville

Job Number: 420-157149-1

Sdg Number: 7095441

General Chemistry

Client Sample ID: GW-1S

Lab Sample ID: 420-157149-1

Client Matrix: Water

Date Sampled: 06/26/2019 1137

Date Received: 07/18/2019 0855

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenolics, Total Recoverable	0.010	U	mg/L	0.010	0.010	1.0	EPA 420.4 Rev.1
Anly Batch:		Date Analyzed	07/23/2019	1434			
Prep Batch:		Date Prepared:	07/22/2019	1040			

DATA REPORTING QUALIFIERS

Client: Pace Analytical Melville

Job Number:
Sdg Number: 7095441

Lab Section	Qualifier	Description
General Chemistry	U	Indicates analyzed for but not detected.

Definitions and Glossary

Client: Pace Analytical Melville

Job Number:

Sdg Number: 7095441

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Pace Analytical Melville

Job Number: 420-157149-1

Sdg Number: 7095441

Method Blank - Batch: 420-133698

Method: EPA 420.4 Rev.1
Preparation: Distill/Phenol

Lab Sample ID: MB 420-133698/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2019 1429
Date Prepared: 07/22/2019 1040

Analysis Batch: 420-133752
Prep Batch: 420-133698
Units: mg/L

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_7-23-2019_02-26-53PM.0
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Result	Qual	RL	RL
Phenolics, Total Recoverable	0.010	U	0.010	0.010

Lab Control Spike - Batch: 420-133698

Method: EPA 420.4 Rev.1
Preparation: Distill/Phenol

Lab Sample ID: LCS 420-133698/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2019 1430
Date Prepared: 07/22/2019 1040

Analysis Batch: 420-133752
Prep Batch: 420-133698
Units: mg/L

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_7-23-2019_02-26-53PM.0
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.0500	0.049	98	57 - 123	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 420-133698

Method: EPA 420.4 Rev.1
Preparation: Distill/Phenol

MS Lab Sample ID: 420-157149-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2019 1434
Date Prepared: 07/22/2019 1040

Analysis Batch: 420-133752
Prep Batch: 420-133698

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_7-23-2019_02-26-53PM.0
Initial Weight/Volume: mL
Final Weight/Volume: mL

MSD Lab Sample ID: 420-157149-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/23/2019 1435
Date Prepared: 07/22/2019 1040

Analysis Batch: 420-133752
Prep Batch: 420-133698

Instrument ID: Lachat Quikchem 8500 FIA
Lab File ID: OM_7-23-2019_02-26-53PM.0
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenolics, Total Recoverable	119	115	55 - 136	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

PASI New York Laboratory

Workorder Name: BROCKPORT LANDFILL

Results Requested By: 7/12/2019

[illegible]

VOLUME FOR BOTTLE NOT RECEIVED

					Comments
Transfers	Released By	Date/Time	Received By	Date/Time	
1	<i>[Signature]</i>	7/17/19 18:00	<i>[Signature]</i>	07/18/19 @ 8:55	CATEGORY B w/ EQUIS EDDDED NEEDED
2					
3					
Cooler Temperature on Receipt 6.4 °C		Custody Seal Y or N		Received on Ice (Y) or N	Samples Intact (Y) or N

FEDEX P.O. 1101 0710 8369

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Pace Analytical Melville

Job Number: 420-157149-1

SDG Number: 7095441

Login Number: 157149

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	6.4 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

APPENDIX B

DATA VALIDATION REPORT

***Brockport Landfill
Site No. 8-28-038***

June 2019 Sampling Event

Prepared by:

**Kenneth R. Applin, Ph.D.
KR Applin and Associates
8806 Route 256
Dansville, NY 14437**

August 2019



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Data Validation Acronyms
Validator Qualifications

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APPENDIX A Laboratory Case Narratives
APPENDIX B Documentation of Quality Control Issues
APPENDIX C Validated Laboratory Data

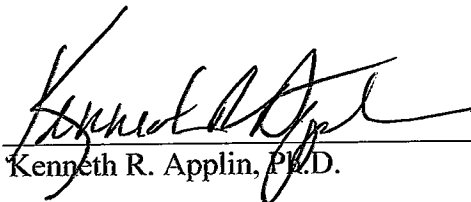
REVIEWER'S NARRATIVE

The analytical data obtained from the June 2019 sampling of the Brockport Landfill, Brockport, New York, have been reviewed in accordance with the criteria set forth in the *Brockport Landfill – Site No. 8-28-038 Post-Closure Monitoring and Maintenance Operations Manual* following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

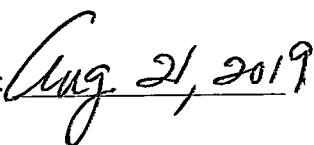
All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated, "J", or as non-detects, "U", are considered usable for the purpose of evaluating water quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data validation report.

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on final data tables because they cannot be relied upon, even as a last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase the confidence in data, but any value potentially contains error.

Reviewer's
Signature


Kenneth R. Applin, Ph.D.

Date:



1.0 SUMMARY

SITE: Brockport Landfill / Site No. 8-28-038

SAMPLING DATE: June 2019

SAMPLE TYPE: Groundwater / Surface Water

LABORATORY: Enalytic LLC, E. Syracuse, NY
Pace Analytical Services, LLC
Melville, NY

**SDG or
WORK ORDER No.:** 7095441 / 7095500

2.0 TECHNICAL GUIDANCE USED IN THE DATA REVIEW

Data validation requirements are specified in the *Brockport Landfill Monitoring Plan* which is included in the *Brockport Landfill – Site No. 8-28-038 Post-Closure Monitoring and Maintenance Operations Manual* (Malcolm Pirnie Inc., December 2000; revised April 2001).

Section 6.2.3 of the Monitoring Plan states that the analytical results from each scheduled monitoring event will be validated against the following criteria:

- Stated objectives of the Sampling Plan,
- Stated quality assurance (QA) objectives of the Quality Assurance Project Plan (QAPP),
- Analysis date versus the applicable holding times,
- Percentage of QA analyses conducted,
- Field and laboratory blank contamination,
- Percent recoveries of laboratory quality control (QC) samples, and
- Relative percent differences (RPDs) of laboratory QC samples and field replicates.

In addition, the Monitoring Plan (Section 6.2) requires that the criteria used for data validation be modeled after the following United States Environmental Protection Agency (USEPA) guidance documents or their updated versions:

- Functional Guidelines for Evaluating Organic Analyses, EPA 68-01-6999, February 1, 1998.
- Functional Guidelines for Evaluating Inorganic Analyses, EPA, July 1, 1988.

The following updated USEPA guidance documents were used to validate the analytical results from the June 2019 sampling event:

- Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO5.3 (SOP #HW-2 Revision #13), September 2006.
- Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry, SW-846 Method 8260B; SOP # HW-24, Revision #2, August 2008.

3.0 SAMPLING SUMMARY

Groundwater and surface water sampling was conducted on June 26, 2019, by a sampling team from Analytic LLC, Inc., East Syracuse, New York. The required groundwater and surface water monitoring points include six overburden monitoring wells, six shallow bedrock monitoring wells, one surface water sampling location on Otis Creek, and one surface water "seep". The sample designation numbers are listed below.

<u>Overburden Wells</u>	<u>Shallow Bedrock Wells</u>
GW-1S	GW-3R
GW-2S	GW-4R
GW-3S	GW-5R
GW-5S	GW-6R
GW-6S	GW-7R
GW-7S	GW-9R

The Otis Creek sample is designated as SW-1. The seepage sample is designated as "SEEP". Sample locations are shown in Figure 2-1 of the Monitoring Plan.

Complete samples were collected from each of the monitoring points. All samples were collected as whole, unfiltered samples. The samples from wells GW-1S, GW-4R, and GW-6R exhibited field turbidities in excess of 50 NTU. Additional samples for dissolved metals analysis were collected from these wells and were filtered in the lab. Both the filtered and non-filtered analytical results were reported.

All field quality control samples specified in Section 5.3 of the Monitoring Plan including trip blanks, one blind duplicate, and a matrix spike/matrix spike duplicate sample were collected with the monitoring well samples. A field duplicate sample was collected from well GW-5R.

4.0 LABORATORY ANALYSIS

Laboratory analysis of the samples was conducted by Pace Analytical Services, LLC, Melville, NY. The monitoring well samples and the surface water samples were analyzed as two individual sample delivery groups. The laboratory work order number for the monitoring well samples is 7095441. The work order number for the surface water samples is 7095500. The analyses were performed in accordance with established USEPA analytical methods. The analytical data for the wells and the surface waters were validated separately using the QC data pertaining to each data package.

The monitoring well samples were analyzed for the chemical parameters listed in Table 3-1 of the Monitoring Plan, which include 11 general chemistry parameters, 9 TAL metals, and 33 TCL volatile organic compounds (VOCs). Surface water sample SW-1 and the seep sample were analyzed for TAL metals and TCL VOCs only (no general chemistry parameters). In addition to total metals, dissolved metals were also analyzed in filtered samples from wells GW-1S, GW-4R, and GW-6R.

In addition to the analytes listed above, samples were also collected from wells GW-1S, GW-3S, GW-6R, and GW-9R for the analysis of per- and polyfluoroalkyl substances (PFAS). The laboratory analyses were subcontracted to Eurofins TestAmerica, Sacramento, CA.

All QC data required under the Monitoring Plan were supplied with the sample analytical results. These data include results for the QC analyses specified in Section 5.4.2 of the Monitoring Plan as well as additional QC data provided by the lab.

5.0 DATA VALIDATION RESULTS

The analytical results for the June 2019 sampling event were validated using the criteria listed in Section 2.0 of this report following appropriate USEPA guidance. Data that were qualified as non-detects (U), estimated non-detects (UJ), estimated (J), or rejected (R) are identified in the following sections and are flagged on the final data sheets of the lab report using red ink.

5.1 Volatile Organic Compounds

Analyte	Samples Affected	Qualifier	Reason
Acetone Bromoform trans-1,3-Dichloropropene	All well samples	J pos. UJ non-detects	%D in CCAL > control limit
Acetone Bromoform 1,2-Dibromo-3-chloropropane Dibromochloromethane trans-1,4-Dichloro-2-butene 1,1-Dichloroethane Vinyl chloride	SW-1 SEEP	J pos. UJ non-detects	%D in CCAL > control limit

5.2 Metals

Analyte	Samples Affected	Qualifier	Reason
Calcium	All well samples	none	MS recovery < control limit *
Iron Potassium	All filtered well samples	J pos.	%D of serial dilution > control limit
Calcium Sodium	SW-1 SEEP	J pos. UJ non-detects	%R of interference check sample < control limit

* In accordance with USEPA guidance, analytical results are not qualified on the basis of MS/MSD recoveries alone. However, MS/MSD recoveries less than the control limits indicate possible low biases in the analytical results. Recoveries greater than the control limits indicate possible high biases in the results.

5.3 Wet Chemistry Parameters

Analyte	Samples Affected	Qualifier	Reason
Alkalinity Nitrite as N TKN	GW-6R	none	MS/MSD recoveries > control limit *

* In accordance with USEPA guidance, analytical results are not qualified on the basis of MS/MSD recoveries alone. However, MS/MSD recoveries less than the control limits indicate possible low biases in the analytical results. Recoveries greater than the control limits indicate possible high biases in the results.

5.4 Per- and Polyfluoroalkyl Substances (PFAS)

Analyte	Samples Affected	Qualifier	Reason
PFOS	GW-1S	Change pos results < CRQL to CRQL	Detected in equip blank at 0.98 J ng/L
PFOS	GW-3S GW-9R	J detects < 10x equip blank value	Detected in equip blank at 0.98 J ng/L
PFHxS	GW-1S GW-3S GW-9R Equip Blank	Change pos results < CRQL to CRQL	Detected in method blank at 0.319 J ng/L

Note: 1,4-dioxane was also analyzed by Method 8270D-SIM. All analytical QC data were within acceptable limits.

5.5 Field Duplicate Results

A field duplicate sample was collected from well GW-5R. The analytical results for the sample and duplicate are compared in the attached table. Except for acetone, the relative percent differences (RPDs) between the duplicate results for each analyte were within the 20% control limit. Given the elevated RPD for acetone, the results in the duplicate samples were qualified as estimated (J or UJ).

6.0 TOTAL USABLE DATA

No analytical results were rejected as a result of this data review. Although some results were qualified as estimated (J or UJ) and/or may be biased due to matrix or other effects, all results are considered usable.

Attachments

COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS
Brockport Landfill

June 2019 Sampling Event

Monitoring Well Sample GW-5R

Analyte	Units	CRDL	5x CRDL	Sample	Q	Duplicate	Q	ABS Diff	RPD
General Chemistry									
Alkalinity, Total as CaCO3	mg/L	5	25	1280		1280		0	0.0
Hardness, Total as CaCO3	mg/L	5.0	25	900		900		0	0.0
Total Dissolved Solids	mg/L	20	100	1870		1800		70	3.8
Chemical Oxygen Demand	mg/L	10	50	176		169		7	4.1
Chloride	mg/L	40	200	461		464		3	0.6
Sulfate	mg/L	5	25	5.0	U	5.0		0	
Nitrogen, Kjeldahl, Total	mg/L	0.5	2.5	10.6		12.8		2.2	18.8
Nitrate as N	mg/L	0.05	0.25	0.050	U	0.050		0	
Nitrate-Nitrite as N	mg/L	0.05	0.25	0.050	U	0.050		0	
Nitrite as N	mg/L	0.05	0.25	0.050	U	0.050		0	
Nitrogen, Ammonia	mg/L	0.5	2.5	7.6		7.6		0	0.0
Total Organic Carbon	mg/L	1	5	50.4		50.0		0.4	0.8
Phenolics, Total	mg/L	0.010	0.050	0.010	U	0.010	U	0	
Total Metals									
Antimony	ug/L	60.0	300	60.0	U	60.0	U	0	
Arsenic	ug/L	10.0	50.0	10.0	U	10.0	U	0	
Barium	ug/L	200	1000	14700		14400		300	2.1
Boron	ug/L	50.0	500	646		645		1	0.2
Calcium	ug/L	200	1000	255000		252000		3000	1.2
Iron	ug/L	20.0	100	24700		22700		2000	8.4
Magnesium	ug/L	200	1000	95500		94200		1300	1.4
Manganese	ug/L	10.0	50.0	462		460		2	0.4
Potassium	ug/L	5000	25000	18400		18500		100	0.5
Sodium	ug/L	5000	25000	387000		382000		5000	1.3
VOCs									
Acetone	ug/L	5	25	5.0	U	16.3	J	11.3	106
Benzene	ug/L	1	5	7.3		6.7		0.6	8.6
Chlorobenzene	ug/L	1	5	4.8		5.1		0.3	6.1
Chloroethane	ug/L	1	5	24.0		25.6		1.6	6.5
1,1-Dichloroethane	ug/L	1	5	1.0		1.0	U	0.0	0.0

Notes:

CRDL = contract required detection limit (method detection limit used for General Chemistry parameters)

RPD = relative percent difference = $ABS[(C1 - C2)/((C1 + C2)/2)] * 100$

"U" qualifier indicates a non-detect result at the concentration shown

"J" qualifier indicates an estimated result

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

KENNETH R. APPLIN

Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

Appendix A

Laboratory Case Narratives

PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Wells

Method: EPA 6010C
Description: 6010 MET ICP
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121065

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 576051)
 - Calcium
 - Sodium

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 6010C
Description: 6010 MET ICP, Dissolved
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

3 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

15 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120782

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 574898)
 - 2-Butanone (MEK)
- GW-1S (Lab ID: 7095441014)
 - 2-Butanone (MEK)
- GW-2S (Lab ID: 7095441015)
 - 2-Butanone (MEK)
- GW-3R (Lab ID: 7095441017)
 - 2-Butanone (MEK)
- GW-3S (Lab ID: 7095441016)
 - 2-Butanone (MEK)
- GW-4R (Lab ID: 7095441018)
 - 2-Butanone (MEK)
- GW-5R (Lab ID: 7095441020)
 - 2-Butanone (MEK)
- GW-5S (Lab ID: 7095441019)
 - 2-Butanone (MEK)
- GW-6R (Lab ID: 7095441022)
 - 2-Butanone (MEK)
- GW-6S (Lab ID: 7095441021)
 - 2-Butanone (MEK)
- GW-7R (Lab ID: 7095441024)
 - 2-Butanone (MEK)
- GW-7S (Lab ID: 7095441023)
 - 2-Butanone (MEK)
- GW-9R (Lab ID: 7095441025)
 - 2-Butanone (MEK)
- GW-X (Lab ID: 7095441026)
 - 2-Butanone (MEK)
- LCS (Lab ID: 574899)
 - 2-Butanone (MEK)
- MS (Lab ID: 574949)
 - 2-Butanone (MEK)
- MSD (Lab ID: 574950)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 26, 2019

QC Batch: 120782

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- 2-Butanone (MEK)
- STORAGE BLANK (Lab ID: 7095441028)
 - 2-Butanone (MEK)
- TRIP BLANK (Lab ID: 7095441027)
 - 2-Butanone (MEK)

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120782

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- GW-7R (Lab ID: 7095441024)
 - Acetone
- GW-X (Lab ID: 7095441026)
 - Acetone
- LCS (Lab ID: 574899)
 - Acetone
 - trans-1,3-Dichloropropene
- MS (Lab ID: 574949)
 - Acetone
 - trans-1,3-Dichloropropene
- MSD (Lab ID: 574950)
 - Acetone
 - trans-1,3-Dichloropropene

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 574898)
 - Bromoform
- GW-1S (Lab ID: 7095441014)
 - Bromoform
- GW-2S (Lab ID: 7095441015)
 - Bromoform
- GW-3R (Lab ID: 7095441017)
 - Bromoform
- GW-3S (Lab ID: 7095441016)
 - Bromoform
- GW-4R (Lab ID: 7095441018)
 - Bromoform
- GW-5R (Lab ID: 7095441020)
 - Bromoform
- GW-5S (Lab ID: 7095441019)
 - Bromoform
- GW-6R (Lab ID: 7095441022)
 - Bromoform

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 26, 2019

QC Batch: 120782

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- GW-6S (Lab ID: 7095441021)
 - Bromoform
- GW-7R (Lab ID: 7095441024)
 - Bromoform
- GW-7S (Lab ID: 7095441023)
 - Bromoform
- GW-9R (Lab ID: 7095441025)
 - Bromoform
- GW-X (Lab ID: 7095441026)
 - Bromoform
- LCS (Lab ID: 574899)
 - Bromoform
- MS (Lab ID: 574949)
 - Bromoform
- MSD (Lab ID: 574950)
 - Bromoform
- STORAGE BLANK (Lab ID: 7095441028)
 - Bromoform
- TRIP BLANK (Lab ID: 7095441027)
 - Bromoform

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 120782

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 574899)
 - trans-1,3-Dichloropropene

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 574899)
 - Bromoform

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 26, 2019

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 120782

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441022

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 574949)
 - trans-1,3-Dichloropropene
- MSD (Lab ID: 574950)
 - trans-1,3-Dichloropropene

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 574949)
 - 1,1,1-Trichloroethane
 - Bromodichloromethane
- MSD (Lab ID: 574950)
 - 1,1,1-Trichloroethane
 - Bromodichloromethane
 - Carbon tetrachloride
 - cis-1,3-Dichloropropene

R1: RPD value was outside control limits.

- MSD (Lab ID: 574950)
 - Iodomethane

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: SM22 2320B
Description: 2320B Alkalinity
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

11 samples were analyzed for SM22 2320B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 120959

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 575760)
- Alkalinity, Total as CaCO₃

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: SM22 2320B
Description: 2320B Alkalinity
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

2 samples were analyzed for SM22 2320B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121116

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7096405001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 576690)
- Alkalinity, Total as CaCO₃

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: SM22 2340C
Description: 2340C Hardness, Total
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for SM22 2340C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: SM22 2540C
Description: 2540C Total Dissolved Solids
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for SM22 2540C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 410.4
Description: 410.4 COD
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 410.4. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 410.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 300.0
Description: 300.0 IC Anions 28 Days
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 351.2
Description: 351.2 Total Kjeldahl Nitrogen
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 351.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 351.2 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121362

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095339001,7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 577928)
 - Nitrogen, Kjeldahl, Total
- MS (Lab ID: 577930)
 - Nitrogen, Kjeldahl, Total

QC Batch: 121363

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095483001,7095502007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 577934)
 - Nitrogen, Kjeldahl, Total
- MS (Lab ID: 577936)
 - Nitrogen, Kjeldahl, Total

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 353.2
Description: 353.2 Nitrogen, NO2/NO3 unpres
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 119806

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009,7095480001

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 569383)
- Nitrate-Nitrite (as N)

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 353.2
Description: 353.2 Nitrogen, NO2
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 119801

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009,7095502007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 569325)
- Nitrite as N

QC Batch: 119800

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095474001,7095480001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 569319)
- Nitrite as N
- MS (Lab ID: 569321)
- Nitrite as N

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: SM22 4500 NH3 H
Description: 4500 Ammonia Water
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for SM22 4500 NH3 H. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 9060A
Description: 9060A TOC as NPOC
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 9060A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 120232

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 571636)
- Total Organic Carbon

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

SW-1/SEEP

Method: EPA 6010C
Description: 6010 MET ICP
Client: Enalytic, LLC
Date: July 12, 2019

General Information:

2 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121065

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 576051)
 - Calcium
 - Sodium

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 12, 2019

General Information:

2 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of-custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120726

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 574699)
 - 2-Butanone (MEK)
- LCS (Lab ID: 574700)
 - 2-Butanone (MEK)
- MS (Lab ID: 574820)
 - 2-Butanone (MEK)
- MSD (Lab ID: 574821)
 - 2-Butanone (MEK)
- SEEP (Lab ID: 7095500002)
 - 2-Butanone (MEK)
- SW-1 (Lab ID: 7095500001)
 - 2-Butanone (MEK)

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120726

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 574700)
 - Acetone
 - Dibromochloromethane
- MS (Lab ID: 574820)
 - Acetone
 - Dibromochloromethane
- MSD (Lab ID: 574821)
 - Acetone
 - Dibromochloromethane

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 574699)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 12, 2019

QC Batch: 120726

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Vinyl chloride
- trans-1,4-Dichloro-2-butene
- LCS (Lab ID: 574700)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- MS (Lab ID: 574820)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- MSD (Lab ID: 574821)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- SEEP (Lab ID: 7095500002)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- SW-1 (Lab ID: 7095500001)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 12, 2019

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 120726

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 574700)
 - 1,1,1,2-Tetrachloroethane

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 574700)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - 4-Methyl-2-pentanone (MIBK)
 - trans-1,4-Dichloro-2-butene

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 120726

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095502007

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 574820)
 - 1,1,1,2-Tetrachloroethane
 - 1,2-Dibromo-3-chloropropane
 - trans-1,4-Dichloro-2-butene
- MSD (Lab ID: 574821)
 - 1,1,1,2-Tetrachloroethane
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - trans-1,4-Dichloro-2-butene

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 574820)
 - Chlorobenzene
 - Ethylbenzene
 - Styrene
- MSD (Lab ID: 574821)
 - Styrene

MS: Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

- MS (Lab ID: 574820)
 - Xylene (Total)

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Enalytic, LLC

Date: July 12, 2019

QC Batch: 120726

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095502007

R1: RPD value was outside control limits.

- MSD (Lab ID: 574821)
- Iodomethane

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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Appendix B

Documentation of Quality Control Issues

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

11952974CCV

Lab Name: Pace Analytical - New York

Calibration Date: 07/06/2019 Time: 10:11

Instrument ID: 70MSV5 GC Column: Col 1

Init. Calib. Date(s): 06/26/2019 06/26/2019

Lab File ID: 070619.B\H20811.D

Init. Calib. Time(s): 20:17 22:55

SDG No.: 7095441

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.13316	0.17573	0.1000	31.9699	20.0000
Acrylonitrile	Averaged	0.16496	0.17330	0.0100	5.0512	20.0000
Benzene	Averaged	1.75932	1.74520	0.5000	-0.8029	20.0000
Bromochloromethane	Averaged	0.27846	0.28772	0.0100	3.3240	20.0000
Bromodichloromethane	Averaged	0.41459	0.48402	0.2000	16.7487	20.0000
Bromoform	Linear	50	34.69418	0.1000	-30.6116	20.0000
Bromomethane	Averaged	0.39255	0.35408	0.1000	-9.7984	20.0000
2-Butanone (MEK)	Averaged	0.53739	0.63315	0.1000	17.8207	20.0000
Carbon disulfide	Averaged	1.54591	1.78979	0.1000	15.7758	20.0000
Carbon tetrachloride	Averaged	0.46735	0.51546	0.1000	10.2938	20.0000
Chlorobenzene	Averaged	2.38660	2.19936	0.5000	-7.8453	20.0000
Chloroethane	Averaged	0.48900	0.48224	0.1000	-1.3812	20.0000
Chloroform	Averaged	1.28076	1.39320	0.2000	8.7791	20.0000
Chloromethane	Averaged	0.75997	0.68843	0.1000	-9.4130	20.0000
1,2-Dibromo-3-chloropropane	Linear	50	46.44463	0.0500	-7.1107	20.0000
Dibromochloromethane	Averaged	0.54881	0.58057	0.1000	5.7871	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.28179	0.30787	0.1000	9.2576	20.0000
Dibromomethane	Averaged	0.19712	0.18946	0.0100	-3.8881	20.0000
1,2-Dichlorobenzene	Averaged	1.77473	1.76305	0.4000	-0.6585	20.0000
1,4-Dichlorobenzene	Averaged	2.06176	2.00781	0.5000	-2.6166	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	47.25384	0.0100	-5.4923	20.0000
1,1-Dichloroethane	Averaged	1.25586	1.28885	0.2000	2.6270	20.0000
1,2-Dichloroethane	Averaged	0.88079	1.01502	0.1000	15.2396	20.0000
1,1-Dichloroethene	Averaged	0.52986	0.56889	0.1000	7.3671	20.0000
cis-1,2-Dichloroethene	Averaged	0.87612	0.86787	0.1000	-0.9409	20.0000
trans-1,2-Dichloroethene	Averaged	0.78885	0.78901	0.1000	0.0205	20.0000
1,2-Dichloropropane	Averaged	0.38820	0.40230	0.1000	3.6298	20.0000
cis-1,3-Dichloropropene	Averaged	0.51836	0.61125	0.2000	17.9198	20.0000
trans-1,3-Dichloropropene	Averaged	0.43053	0.54109	0.1000	25.6800	20.0000
Ethylbenzene	Averaged	1.32684	1.22971	0.1000	-7.3203	20.0000
2-Hexanone	Linear	50	49.76483	0.1000	-0.4703	20.0000
Iodomethane	Linear	50	48.28708	0.0100	-3.4258	20.0000
Methylene Chloride	Averaged	0.72032	0.75302	0.1000	4.5396	20.0000
4-Methyl-2-pentanone (MIBK)	Linear	50	47.31260	0.1000	-5.3748	20.0000
Styrene	Averaged	2.27696	2.33680	0.3000	2.6283	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.65945	0.65200	0.0100	-1.1310	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/17/2019 11:48

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

576051MS

Lab Name: Pace Analytical - New York SDG No. : 7095441 Contract: BROCKPORT LANDFILL
Matrix: Water Basis: Wet Parent Sample ID: GW-6R
Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	753	<60.0	750	100
Arsenic	ug/L	75-125	511	<10.0	500	102
Barium	ug/L	75-125	722	275	500	89
Boron	ug/L	75-125	3220	828	2500	96
Calcium	ug/L	75-125	140000	125000	25000	62*
Iron	ug/L	75-125	18600	16600	2000	104
Magnesium	ug/L	75-125	84800	65400	25000	78
Manganese	ug/L	75-125	726	505	250	88
Potassium	ug/L	75-125	62100	13800	50000	97
Sodium	ug/L	75-125	212000	179000	50000	67*

* Spike Recovery outside QC Limits

07/17/2019 12:46

SAMPLE NO.

Lab Name: Pace Analytical - New York SDG No. : 7095441 Contract: BROCKPORT LANDFILL
Matrix: Water Parent Sample ID: GW-6R

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Antimony, Dissolved	ug/L	13.4U	67.0U		10
Arsenic, Dissolved	ug/L	8.1U	40.5U		10
Barium, Dissolved	ug/L	219	226J	3.0	10
Cadmium, Dissolved	ug/L	0.84U	4.2U		10
Iron, Dissolved	ug/L	858	1320	53.8*	10
Magnesium, Dissolved	ug/L	58300	61000	4.6	10
Manganese, Dissolved	ug/L	419	428	2.0	10
Potassium, Dissolved	ug/L	13700	16000J	16.8*	10
Sodium, Dissolved	ug/L	164000	176000	7.0	10

Analyzed 7/3/19

GW-15 } filtered
-4R
-6R

07/17/2019 12:45

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

569325MS

Lab Name: Pace Analytical - New York SDG No. : 7095441 Contract: BROCKPORT LANDFILL
Matrix: Water Basis: Wet Parent Sample ID: GW-6R
Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrite as N	mg/L	90-110	0.59	<0.050	0.50	119*

* Spike Recovery outside QC Limits

07/17/2019 12:46

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

575760MS

Lab Name: Pace Analytical - New York SDG No. : 7095441 Contract: BROCKPORT LANDFILL

Matrix: Water Basis: Wet Parent Sample ID: GW-6R

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Alkalinity, Total as CaCO ₃	mg/L	75-125	898	863	25.0	140*

* Spike Recovery outside QC Limits

07/17/2019 12:46

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

577930MS

Lab Name: Pace Analytical - New York SDG No. : 7095441 Contract: BROCKPORT LANDFILL

Matrix: Water Basis: Wet Parent Sample ID: GW-6R

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrogen, Kjeldahl, Total	mg/L	90-110	9.0	4.4	4.0	115*

* Spike Recovery outside QC Limits

07/17/2019 12:46

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - New York

Date Extracted: 07/05/2019

Instrument: 70MSV5

Parent Sample ID: 7095502007

Matrix Spike - Sample No: 574820MS

Date Analyzed (1): 07/05/2019

Lab File ID: 070519.B\H20807.D

SDG No.: 7095500

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1,2-Tetrachloroethane ✓	50.0	<1.0	60.2	120	74-113
1,1,1-Trichloroethane	50.0	<1.0	55.3	111	65-118
1,1,2,2-Tetrachloroethane	50.0	<1.0	44.5	89	74-121
1,1,2-Trichloroethane	50.0	<1.0	48.4	97	80-117
1,1-Dichloroethane	50.0	<1.0	43.4	87	83-151
1,1-Dichloroethene	50.0	<1.0	49.5	99	45-146
1,2,3-Trichloropropane	50.0	<1.0	49.5	99	71-123
1,2-Dibromo-3-chloropropane	50.0	<1.0	35.3	71	74-119
1,2-Dibromoethane (EDB)	50.0	<1.0	55.4	111	83-115
1,2-Dichlorobenzene	50.0	<1.0	54.9	110	74-113
1,2-Dichloroethane	50.0	<1.0	49.4	99	74-129
1,2-Dichloropropane	50.0	<1.0	46.4	93	75-117
1,4-Dichlorobenzene	50.0	<1.0	53.6	107	71-113
2-Butanone (MEK)	50.0	<5.0	40.3	81	44-162
2-Hexanone	50.0	<5.0	41.7	83	32-183
4-Methyl-2-pentanone (MIBK)	50.0	<5.0	37.5	75	69-132
Acetone	50.0	<5.0	37.2	74	23-188
Acrylonitrile	50.0	<1.0	39.5	79	59-148
Benzene	50.0	<1.0	48.9	98	73-119
Bromochloromethane	50.0	<1.0	53.0	106	81-116
Bromodichloromethane	50.0	<1.0	52.1	104	78-117
Bromoform	50.0	<1.0	44.0	88	65-122
Bromomethane	50.0	<1.0	42.2	84	52-147
Carbon disulfide	50.0	<1.0	49.2	98	41-144
Carbon tetrachloride	50.0	<1.0	55.9	112	59-120
Chlorobenzene ✓	50.0	<1.0	59.8	120	75-113
Chloroethane	50.0	<1.0	44.3	89	49-151
Chloroform	50.0	<1.0	50.4	101	72-122
Chloromethane	50.0	<1.0	35.5	71	46-144
Dibromochloromethane	50.0	<1.0	59.4	119	70-120
Dibromomethane	50.0	<1.0	51.2	102	75-125
Ethylbenzene ✓	50.0	<1.0	59.5	119	70-113
Iodomethane	50.0	<1.0	54.1	108	61-144
Methylene Chloride	50.0	<1.0	45.9	92	61-142
Styrene ✓	50.0	<1.0	63.7	127	72-118
Tetrachloroethene	50.0	<1.0	56.9	114	60-128
Toluene	50.0	<1.0	51.1	102	72-119
Trichloroethene	50.0	<1.0	53.4	107	69-117
Trichlorofluoromethane	50.0	<1.0	51.3	103	27-173
Vinyl acetate	50.0	<1.0	38.5	77	20-158
Vinyl chloride	50.0	<1.0	41.0	82	43-143
Xylene (Total) ✓	150	<3.0	182	122	71-109
cis-1,2-Dichloroethene	50.0	<1.0	47.7	95	72-121
cis-1,3-Dichloropropene	50.0	<1.0	50.6	101	78-116
trans-1,2-Dichloroethene	50.0	<1.0	49.6	99	56-142
trans-1,3-Dichloropropene	50.0	<1.0	51.9	104	79-116
trans-1,4-Dichloro-2-butene	50.0	<1.0	33.8	68	71-121

07/12/2019 9:25

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

11949853CCV

Lab Name: Pace Analytical - New York

Calibration Date: 07/05/2019 Time: 11:20

Instrument ID: 70MSV5 GC Column: Col 1

Init. Calib. Date(s): 06/26/2019 06/26/2019

Lab File ID: 070519.B\H20784.D

Init. Calib. Time(s): 20:17 22:55

SDG No.: 7095500

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.13316	0.20236	0.1000	51.9635	20.0000
Acrylonitrile	Averaged	0.16496	0.13306	0.0100	-19.3415	20.0000
Benzene	Averaged	1.75932	1.54098	0.5000	-12.4109	20.0000
Bromochloromethane	Averaged	0.27846	0.28165	0.0100	1.1434	20.0000
Bromodichloromethane	Averaged	0.41459	0.42591	0.2000	2.7306	20.0000
Bromoform	Linear	50	32.63451	0.1000	34.7310	20.0000
Bromomethane	Averaged	0.39255	0.31997	0.1000	-18.4889	20.0000
2-Butanone (MEK)	Averaged	0.53739	0.56030	0.1000	4.2632	20.0000
Carbon disulfide	Averaged	1.54591	1.40956	0.1000	-8.8196	20.0000
Carbon tetrachloride	Averaged	0.46735	0.49593	0.1000	6.1163	20.0000
Chlorobenzene	Averaged	2.38660	2.56459	0.5000	7.4581	20.0000
Chloroethane	Averaged	0.48900	0.39789	0.1000	-18.6309	20.0000
Chloroform	Averaged	1.28076	1.19544	0.2000	-6.6616	20.0000
Chloromethane	Averaged	0.75997	0.55738	0.1000	26.6575	20.0000
1,2-Dibromo-3-chloropropane	Linear	50	38.13836	0.0500	23.7233	20.0000
Dibromochloromethane	Averaged	0.54881	0.66957	0.1000	22.0031	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.28179	0.30256	0.1000	7.3715	20.0000
Dibromomethane	Averaged	0.19712	0.18967	0.0100	-3.7798	20.0000
1,2-Dichlorobenzene	Averaged	1.77473	1.79766	0.4000	1.2916	20.0000
1,4-Dichlorobenzene	Averaged	2.06176	2.04018	0.5000	-1.0464	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	33.39355	0.0100	33.2129	20.0000
1,1-Dichloroethane	Averaged	1.25586	1.00122	0.2000	20.2764	20.0000
1,2-Dichloroethane	Averaged	0.88079	0.83244	0.1000	-5.4894	20.0000
1,1-Dichloroethene	Averaged	0.52986	0.47710	0.1000	-9.9565	20.0000
cis-1,2-Dichloroethene	Averaged	0.87612	0.78509	0.1000	-10.3900	20.0000
trans-1,2-Dichloroethene	Averaged	0.78885	0.72115	0.1000	-8.5825	20.0000
1,2-Dichloropropane	Averaged	0.38820	0.32859	0.1000	-15.3560	20.0000
cis-1,3-Dichloropropene	Averaged	0.51836	0.52632	0.2000	1.5354	20.0000
trans-1,3-Dichloropropene	Averaged	0.43053	0.45474	0.1000	5.6231	20.0000
Ethylbenzene	Averaged	1.32684	1.38791	0.1000	4.6028	20.0000
2-Hexanone	Linear	50	59.40826	0.1000	18.8165	20.0000
Iodomethane	Linear	50	43.15444	0.0100	-13.6911	20.0000
Methylene Chloride	Averaged	0.72032	0.62239	0.1000	-13.5948	20.0000
4-Methyl-2-pentanone (MIBK)	Linear	50	40.49326	0.1000	-19.0135	20.0000
Styrene	Averaged	2.27696	2.62168	0.3000	15.1396	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.65945	0.76445	0.0100	15.9214	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/12/2019 9:25

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

11949853CCV

Lab Name: Pace Analytical - New York

Calibration Date: 07/05/2019 Time: 11:20

Instrument ID: 70MSV5 GC Column: Col 1

Init. Calib. Date(s): 06/26/2019 06/26/2019

Lab File ID: 070519.B\H20784.D

Init. Calib. Time(s): 20:17 22:55

SDG No.: 7095500

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1,2,2-Tetrachloroethane	Averaged	1.04756	0.92543	0.3000	-11.6589	20.0000
Tetrachloroethene	Averaged	0.91150	0.87874	0.2000	-3.5938	20.0000
Toluene	Averaged	1.88707	1.70866	0.4000	-9.4543	20.0000
1,1,1-Trichloroethane	Averaged	0.58747	0.60228	0.1000	2.5215	20.0000
1,1,2-Trichloroethane	Averaged	0.28090	0.25640	0.1000	-8.7208	20.0000
Trichloroethene	Averaged	0.43629	0.42566	0.2000	-2.4354	20.0000
Trichlorofluoromethane	Averaged	0.91948	0.86513	0.1000	-5.9111	20.0000
1,2,3-Trichloropropane	Averaged	0.33495	0.32865	0.0100	-1.8826	20.0000
Vinyl acetate	Averaged	1.10289	0.96940	0.0100	-12.1034	20.0000
Vinyl chloride	Averaged	0.77310	0.59796	0.1000	-22.6543	20.0000
m&p-Xylene	Averaged	1.56348	1.67939	0.1000	7.4141	20.0000
o-Xylene	Averaged	1.49049	1.59566	0.3000	7.0562	20.0000
4-Bromofluorobenzene (S)	Averaged	0.82533	0.88635	0.0100	7.3928	20.0000
1,2-Dichloroethane-d4 (S)	Averaged	0.31326	0.29840	0.0100	-4.7442	20.0000
Toluene-d8 (S)	Averaged	2.69679	2.71347	0.0100	0.6188	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/12/2019 9:25

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

576051MS

Lab Name: Pace Analytical - New York SDG No. : 7095500 Contract: BROCKPORT LANDFILL LONG

Matrix: Water Basis: Wet Parent Sample ID: 7095441009

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	753	<60.0	750	100
Arsenic	ug/L	75-125	511	<10.0	500	102
Barium	ug/L	75-125	722	275	500	89
Calcium	ug/L	75-125	140000	125000	25000	62*
Iron	ug/L	75-125	18600	16600	2000	104
Magnesium	ug/L	75-125	84800	65400	25000	78
Manganese	ug/L	75-125	726	505	250	88
Potassium	ug/L	75-125	62100	13800	50000	97
Sodium	ug/L	75-125	212000	179000	50000	67*

* Spike Recovery outside QC Limits

07/12/2019 09:25

Appendix C

Validated Laboratory Data

ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441001	Collected: 06/26/19 11:37	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.41	Std. Units		1		06/26/19 11:37		
Field Temperature	19.3	deg C		1		06/26/19 11:37		
Field Specific Conductance	628	umhos/cm		1		06/26/19 11:37		
REDOX	56	mV		1		06/26/19 11:37		
Field Turbidity	163	NTU		1		06/26/19 11:37		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:34	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:34	7440-38-2	
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:34	7440-39-3	
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:34	7440-42-8	
Calcium	106000	ug/L	200	1	07/09/19 10:00	07/10/19 21:34	7440-70-2	
Iron	3880	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:34	7439-89-6	
Magnesium	22100	ug/L	200	1	07/09/19 10:00	07/10/19 21:34	7439-95-4	
Manganese	121	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:34	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:34	7440-09-7	
Sodium	5600	ug/L	5000	1	07/09/19 10:00	07/10/19 21:34	7440-23-5	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C						
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/03/19 14:04	7440-36-0	
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/03/19 14:04	7440-38-2	
Barium, Dissolved	<200	ug/L	200	1		07/03/19 14:04	7440-39-3	
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/03/19 14:04	7440-43-9	
Iron, Dissolved	106	ug/L	20.0	1		07/03/19 14:04	7439-89-6	
Magnesium, Dissolved	19400	ug/L	200	1		07/03/19 14:04	7439-95-4	
Manganese, Dissolved	12.7	ug/L	10.0	1		07/03/19 14:04	7439-96-5	
Potassium, Dissolved	<5000	ug/L	5000	1		07/03/19 14:04	7440-09-7	
Sodium, Dissolved	5010	ug/L	5000	1		07/03/19 14:04	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	325	mg/L	1.0	1		07/09/19 00:20		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	280	mg/L	5.0	1		07/11/19 17:19		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	350	mg/L	20.0	1		07/01/19 09:49		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:05		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	3.2	mg/L	2.0	1		07/09/19 23:55	16887-00-6	
Sulfate	30.4	mg/L	5.0	1		07/09/19 23:55	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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8/19/19

ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441001	Collected: 06/26/19 11:37		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.18	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:54	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	0.18	mg/L	0.050	1		06/27/19 22:08	14797-55-8	
Nitrate-Nitrite (as N)	0.18	mg/L	0.050	1		06/27/19 22:08	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:54	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:42	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 18:51	7440-44-0	D6
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 18:51	7440-44-0	
Total Organic Carbon	3.9	mg/L	1.0	1		07/02/19 18:51	7440-44-0	D6
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 18:51	7440-44-0	
Mean Total Organic Carbon	3.0	mg/L	1.0	1		07/02/19 18:51	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441002	Collected: 06/26/19 12:26	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	6.56	Std. Units		1		06/26/19 12:26		
Field Temperature	21.1	deg C		1		06/26/19 12:26		
Field Specific Conductance	380	umhos/cm		1		06/26/19 12:26		
REDOX	-133	mV		1		06/26/19 12:26		
Field Turbidity	15.2	NTU		1		06/26/19 12:26		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:39	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:39	7440-38-2	
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:39	7440-39-3	
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:39	7440-42-8	
Calcium	70700	ug/L	200	1	07/09/19 10:00	07/10/19 21:39	7440-70-2	
Iron	2720	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:39	7439-89-6	
Magnesium	8470	ug/L	200	1	07/09/19 10:00	07/10/19 21:39	7439-95-4	
Manganese	1550	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:39	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:39	7440-09-7	
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:39	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	197	mg/L	1.0	1		07/09/19 00:31		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	170	mg/L	5.0	1		07/11/19 17:20		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	211	mg/L	10.0	1		07/01/19 09:49		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:05		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	3.4	mg/L	2.0	1		07/10/19 00:12	16887-00-6	
Sulfate	<5.0	mg/L	5.0	1		07/10/19 00:12	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	1.4	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:54	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	0.10	mg/L	0.050	1		06/27/19 22:10	14797-55-8	
Nitrate-Nitrite (as N)	0.10	mg/L	0.050	1		06/27/19 22:10	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:55	14797-65-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441002		Collected: 06/26/19 12:26		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:46	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	3.9	mg/L	1.0	1		07/02/19 19:52	7440-44-0		
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 19:52	7440-44-0		
Total Organic Carbon	2.8	mg/L	1.0	1		07/02/19 19:52	7440-44-0		
Total Organic Carbon	2.7	mg/L	1.0	1		07/02/19 19:52	7440-44-0		
Mean Total Organic Carbon	3.0	mg/L	1.0	1		07/02/19 19:52	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441003	Collected: 06/26/19 12:04		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.23	Std. Units		1		06/26/19 12:04		
Field Temperature	18.6	deg C		1		06/26/19 12:04		
Field Specific Conductance	953	umhos/cm		1		06/26/19 12:04		
REDOX	-144	mV		1		06/26/19 12:04		
Field Turbidity	48.6	NTU		1		06/26/19 12:04		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:44	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:44	7440-38-2	
Barium	203	ug/L	200	1	07/09/19 10:00	07/10/19 21:44	7440-39-3	
Boron	50.7	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:44	7440-42-8	
Calcium	78800	ug/L	200	1	07/09/19 10:00	07/10/19 21:44	7440-70-2	
Iron	7490	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:44	7439-89-6	
Magnesium	24600	ug/L	200	1	07/09/19 10:00	07/10/19 21:44	7439-95-4	
Manganese	63.8	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:44	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:44	7440-09-7	
Sodium	12600	ug/L	5000	1	07/09/19 10:00	07/10/19 21:44	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	289	mg/L	1.0	1		07/09/19 00:45		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	280	mg/L	5.0	1		07/11/19 17:26		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	280	mg/L	20.0	1		07/01/19 09:50		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	7.2	mg/L	2.0	1		07/10/19 00:29	16887-00-6	
Sulfate	37.0	mg/L	5.0	1		07/10/19 00:29	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.32	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:55	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:11	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:11	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:56	14797-65-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441003	Collected: 06/26/19 12:04	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:47	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0	
Total Organic Carbon	1.3	mg/L	1.0	1		07/02/19 20:08	7440-44-0	
Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0	
Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0	
Mean Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441004	Collected: 06/26/19 12:11		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.72	Std. Units		1		06/26/19 12:11		
Field Temperature	14.4	deg C		1		06/26/19 12:11		
Field Specific Conductance	592	umhos/cm		1		06/26/19 12:11		
REDOX	-158	mV		1		06/26/19 12:11		
Field Turbidity	44.2	NTU		1		06/26/19 12:11		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:50	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:50	7440-38-2	
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:50	7440-39-3	
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:50	7440-42-8	
Calcium	168000	ug/L	200	1	07/09/19 10:00	07/10/19 21:50	7440-70-2	
Iron	1200	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:50	7439-89-6	
Magnesium	26300	ug/L	200	1	07/09/19 10:00	07/10/19 21:50	7439-95-4	
Manganese	131	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:50	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:50	7440-09-7	
Sodium	14700	ug/L	5000	1	07/09/19 10:00	07/10/19 21:50	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO ₃	458	mg/L	1.0	1		07/09/19 01:05		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO ₃ (SM 2340B	440	mg/L	5.0	1		07/11/19 17:28		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	530	mg/L	20.0	1		07/01/19 09:51		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	14.6	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	43.6	mg/L	2.0	1		07/10/19 00:46	16887-00-6	
Sulfate	43.9	mg/L	5.0	1		07/10/19 00:46	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.28	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:56	7727-37-9	
353.2 Nitrogen, NO₂/NO₃ unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:12	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:12	7727-37-9	
353.2 Nitrogen, NO₂		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:57	14797-65-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441004	Collected: 06/26/19 12:11	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:48	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	5.1	mg/L	1.0	1		07/02/19 20:24	7440-44-0	
Total Organic Carbon	5.0	mg/L	1.0	1		07/02/19 20:24	7440-44-0	
Total Organic Carbon	5.1	mg/L	1.0	1		07/02/19 20:24	7440-44-0	
Total Organic Carbon	5.0	mg/L	1.0	1		07/02/19 20:24	7440-44-0	
Mean Total Organic Carbon	5.0	mg/L	1.0	1		07/02/19 20:24	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441005	Collected: 06/26/19 10:17		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	8.14	Std. Units		1		06/26/19 10:17		
Field Temperature	13.2	deg C		1		06/26/19 10:17		
Field Specific Conductance	6440	umhos/cm		1		06/26/19 10:17		
REDOX	-104	mV		1		06/26/19 10:17		
Field Turbidity	113	NTU		1		06/26/19 10:17		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:55	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:55	7440-38-2	
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:55	7440-39-3	
Boron	2660	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:55	7440-42-8	
Calcium	104000	ug/L	200	1	07/09/19 10:00	07/10/19 21:55	7440-70-2	
Iron	2200	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:55	7439-89-6	
Magnesium	19400	ug/L	200	1	07/09/19 10:00	07/10/19 21:55	7439-95-4	
Manganese	160	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:55	7439-96-5	
Potassium	23400	ug/L	5000	1	07/09/19 10:00	07/10/19 21:55	7440-09-7	
Sodium	1110000	ug/L	50000	10	07/09/19 10:00	07/11/19 15:20	7440-23-5	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C						
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/03/19 14:07	7440-36-0	
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/03/19 14:07	7440-38-2	
Barium, Dissolved	<200	ug/L	200	1		07/03/19 14:07	7440-39-3	
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/03/19 14:07	7440-43-9	
Iron, Dissolved	274 J	ug/L	20.0	1		07/03/19 14:07	7439-89-6	
Magnesium, Dissolved	17500	ug/L	200	1		07/03/19 14:07	7439-95-4	
Manganese, Dissolved	123	ug/L	10.0	1		07/03/19 14:07	7439-96-5	
Potassium, Dissolved	28200 J	ug/L	5000	1		07/03/19 14:07	7440-09-7	
Sodium, Dissolved	987000	ug/L	5000	1		07/03/19 14:07	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	111	mg/L	1.0	1		07/09/19 01:13		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B)	310	mg/L	5.0	1		07/11/19 17:30		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	3360	mg/L	20.0	1		07/01/19 09:51		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	94.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	2300	mg/L	200	100		07/10/19 20:40	16887-00-6	
Sulfate	<5.0	mg/L	5.0	1		07/10/19 01:02	14808-79-8	

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[Signature]
8/19/19

ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441005	Collected: 06/26/19 10:17	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	2.0	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:57	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	0.076	mg/L	0.050	1		06/27/19 22:13	14797-55-8	
Nitrate-Nitrite (as N)	0.076	mg/L	0.050	1		06/27/19 22:13	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:01	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	1.8	mg/L	0.10	1		07/11/19 15:49	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	4.1	mg/L	1.0	1		07/02/19 20:41	7440-44-0	
Total Organic Carbon	4.1	mg/L	1.0	1		07/02/19 20:41	7440-44-0	
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 20:41	7440-44-0	
Total Organic Carbon	3.5	mg/L	1.0	1		07/02/19 20:41	7440-44-0	
Mean Total Organic Carbon	3.8	mg/L	1.0	1		07/02/19 20:41	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441006	Collected: 06/26/19 10:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.08	Std. Units		1		06/26/19 10:01		
Field Temperature	17.4	deg C		1		06/26/19 10:01		
Field Specific Conductance	2760	umhos/cm		1		06/26/19 10:01		
REDOX	-28	mV		1		06/26/19 10:01		
Field Turbidity	7.11	NTU		1		06/26/19 10:01		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:01	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:01	7440-38-2	
Barium	396	ug/L	200	1	07/09/19 10:00	07/10/19 22:01	7440-39-3	
Boron	75.8	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:01	7440-42-8	
Calcium	139000	ug/L	200	1	07/09/19 10:00	07/10/19 22:01	7440-70-2	
Iron	2260	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:01	7439-89-6	
Magnesium	56200	ug/L	200	1	07/09/19 10:00	07/10/19 22:01	7439-95-4	
Manganese	535	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:01	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:01	7440-09-7	
Sodium	380000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:01	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	713	mg/L	1.0	1		07/09/19 01:40		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	500	mg/L	5.0	1		07/11/19 17:36		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	1530	mg/L	20.0	1		07/01/19 10:05		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	72.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	663	mg/L	40.0	20		07/10/19 20:56	16887-00-6	
Sulfate	40.1	mg/L	5.0	1		07/10/19 01:19	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.82	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:58	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:14	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:14	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:02	14797-65-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441006	Collected: 06/26/19 10:01	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:50	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	10.9	mg/L	1.0	1		07/02/19 20:59	7440-44-0	
Total Organic Carbon	10.6	mg/L	1.0	1		07/02/19 20:59	7440-44-0	
Total Organic Carbon	10.5	mg/L	1.0	1		07/02/19 20:59	7440-44-0	
Total Organic Carbon	10.5	mg/L	1.0	1		07/02/19 20:59	7440-44-0	
Mean Total Organic Carbon	10.6	mg/L	1.0	1		07/02/19 20:59	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441007	Collected: 06/26/19 09:45		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	6.92	Std. Units		1		06/26/19 09:45		
Field Temperature	16.9	deg C		1		06/26/19 09:45		
Field Specific Conductance	3350	umhos/cm		1		06/26/19 09:45		
REDOX	O/R	mV		1		06/26/19 09:45		
Field Turbidity	49	NTU		1		06/26/19 09:45		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:06	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:06	7440-38-2	
Barium	14700	ug/L	200	1	07/09/19 10:00	07/10/19 22:06	7440-39-3	
Boron	646	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:06	7440-42-8	
Calcium	255000	ug/L	200	1	07/09/19 10:00	07/10/19 22:06	7440-70-2	
Iron	24700	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:06	7439-89-6	
Magnesium	95500	ug/L	200	1	07/09/19 10:00	07/10/19 22:06	7439-95-4	
Manganese	462	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:06	7439-96-5	
Potassium	18400	ug/L	5000	1	07/09/19 10:00	07/10/19 22:06	7440-09-7	
Sodium	387000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:06	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	1280	mg/L	5.0	1		07/09/19 18:21		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	900	mg/L	5.0	1		07/11/19 17:41		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	1870	mg/L	20.0	1		07/01/19 10:06		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	176	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:15		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	461	mg/L	40.0	20		07/10/19 21:13	16887-00-6	
Sulfate	<5.0	mg/L	5.0	1		07/10/19 02:09	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	10.6	mg/L	0.50	5	07/11/19 05:54	07/11/19 13:33	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:16	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:16	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:03	14797-65-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441007	Collected: 06/26/19 09:45	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	7.6	mg/L	0.50	5		07/11/19 16:14	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	50.1	mg/L	1.0	1		07/02/19 21:17	7440-44-0	
Total Organic Carbon	50.6	mg/L	1.0	1		07/02/19 21:17	7440-44-0	
Total Organic Carbon	50.7	mg/L	1.0	1		07/02/19 21:17	7440-44-0	
Total Organic Carbon	50.2	mg/L	1.0	1		07/02/19 21:17	7440-44-0	
Mean Total Organic Carbon	50.4	mg/L	1.0	1		07/02/19 21:17	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441008	Collected: 06/26/19 11:06	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.02	Std. Units		1		06/26/19 11:06		
Field Temperature	15.2	deg C		1		06/26/19 11:06		
Field Specific Conductance	710	umhos/cm		1		06/26/19 11:06		
REDOX	55	mV		1		06/26/19 11:06		
Field Turbidity	49.3	NTU		1		06/26/19 11:06		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:12	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:12	7440-38-2	
Barium	287	ug/L	200	1	07/09/19 10:00	07/10/19 22:12	7440-39-3	
Boron	67.5	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:12	7440-42-8	
Calcium	116000	ug/L	200	1	07/09/19 10:00	07/10/19 22:12	7440-70-2	
Iron	1640	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:12	7439-89-6	
Magnesium	23800	ug/L	200	1	07/09/19 10:00	07/10/19 22:12	7439-95-4	
Manganese	49.3	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:12	7439-96-5	
Potassium	5070	ug/L	5000	1	07/09/19 10:00	07/10/19 22:12	7440-09-7	
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:12	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	392	mg/L	1.0	1		07/09/19 02:52		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	350	mg/L	5.0	1		07/11/19 17:42		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	386	mg/L	20.0	1		07/01/19 10:06		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:16		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	<2.0	mg/L	2.0	1		07/10/19 02:26	16887-00-6	
Sulfate	21.0	mg/L	5.0	1		07/10/19 02:26	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.37	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:00	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	0.36	mg/L	0.050	1		06/27/19 22:17	14797-55-8	
Nitrate-Nitrite (as N)	0.36	mg/L	0.050	1		06/27/19 22:17	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:04	14797-65-0	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441008	Collected: 06/26/19 11:06	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:53	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0	
Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0	
Total Organic Carbon	1.9	mg/L	1.0	1		07/02/19 22:13	7440-44-0	
Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0	
Mean Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441009		Collected: 06/26/19 11:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	6.99	Std. Units		1		06/26/19 11:01			
Field Temperature	14.3	deg C		1		06/26/19 11:01			
Field Specific Conductance	1720	umhos/cm		1		06/26/19 11:01			
REDOX	-19	mV		1		06/26/19 11:01			
Field Turbidity	109	NTU		1		06/26/19 11:01			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:28	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:28	7440-38-2		
Barium	275	ug/L	200	1	07/09/19 10:00	07/10/19 22:28	7440-39-3		
Boron	828	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:28	7440-42-8		
Calcium	125000	ug/L	200	1	07/09/19 10:00	07/10/19 22:28	7440-70-2	M1	
Iron	16600	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:28	7439-89-6		
Magnesium	65400	ug/L	200	1	07/09/19 10:00	07/10/19 22:28	7439-95-4		
Manganese	505	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:28	7439-96-5		
Potassium	13800	ug/L	5000	1	07/09/19 10:00	07/10/19 22:28	7440-09-7		
Sodium	179000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:28	7440-23-5	M1	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C							
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/03/19 14:09	7440-36-0		
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/03/19 14:09	7440-38-2		
Barium, Dissolved	219	ug/L	200	1		07/03/19 14:09	7440-39-3		
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/03/19 14:09	7440-43-9		
Iron, Dissolved	858	ug/L	20.0	1		07/03/19 14:09	7439-89-6		
Magnesium, Dissolved	58300	ug/L	200	1		07/03/19 14:09	7439-95-4		
Manganese, Dissolved	419	ug/L	10.0	1		07/03/19 14:09	7439-96-5		
Potassium, Dissolved	13700	ug/L	5000	1		07/03/19 14:09	7440-09-7		
Sodium, Dissolved	164000	ug/L	5000	1		07/03/19 14:09	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	863	mg/L	1.0	1		07/09/19 03:24		M1	
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B)	520	mg/L	5.0	1		07/11/19 18:00			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	928	mg/L	20.0	1		07/01/19 10:07			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	27.8	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:16			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	63.0	mg/L	10.0	5		07/11/19 10:36	16887-00-6		
Sulfate	35.3	mg/L	5.0	1		07/10/19 02:43	14808-79-8		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441009	Collected: 06/26/19 11:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	4.4	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:02	7727-37-9	M1
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:18	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:18	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:08	14797-65-0	M1
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	3.1	mg/L	0.10	1		07/11/19 15:54	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Total Organic Carbon	8.8	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Mean Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441010		Collected: 06/26/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.23	Std. Units		1		06/26/19 09:31			
Field Temperature	15.3	deg C		1		06/26/19 09:31			
Field Specific Conductance	758	umhos/cm		1		06/26/19 09:31			
REDOX	-68	mV		1		06/26/19 09:31			
Field Turbidity	758	NTU		1		06/26/19 09:31			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:57	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:57	7440-38-2		
Barium	421	ug/L	200	1	07/09/19 10:00	07/10/19 22:57	7440-39-3		
Boron	68.8	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:57	7440-42-8		
Calcium	120000	ug/L	200	1	07/09/19 10:00	07/10/19 22:57	7440-70-2		
Iron	2890	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:57	7439-89-6		
Magnesium	30100	ug/L	200	1	07/09/19 10:00	07/10/19 22:57	7439-95-4		
Manganese	1020	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:57	7439-96-5		
Potassium	7670	ug/L	5000	1	07/09/19 10:00	07/10/19 22:57	7440-09-7		
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:57	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	396	mg/L	1.0	1		07/09/19 04:46			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	340	mg/L	5.0	1		07/11/19 18:18			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	376	mg/L	20.0	1		07/01/19 10:20			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	16.8	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	<2.0	mg/L	2.0	1		07/10/19 03:33	16887-00-6		
Sulfate	8.9	mg/L	5.0	1		07/10/19 03:33	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	2.7	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:05	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	1.3	mg/L	0.050	1		06/27/19 22:24	14797-55-8		
Nitrate-Nitrite (as N)	1.3	mg/L	0.050	1		06/27/19 22:24	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:12	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441010		Collected: 06/26/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	1.1	mg/L	0.10	1		07/11/19 16:00	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Total Organic Carbon	3.7	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Mean Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441011		Collected: 06/26/19 09:23		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.22	Std. Units		1		06/26/19 09:23			
Field Temperature	12.8	deg C		1		06/26/19 09:23			
Field Specific Conductance	2050	umhos/cm		1		06/26/19 09:23			
REDOX	-155	mV		1		06/26/19 09:23			
Field Turbidity	41.7	NTU		1		06/26/19 09:23			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:02	7440-36-0		
Arsenic	49.7	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:02	7440-38-2		
Barium	1830	ug/L	200	1	07/09/19 10:00	07/10/19 23:02	7440-39-3		
Boron	851	ug/L	50.0	1	07/09/19 10:00	07/10/19 23:02	7440-42-8		
Calcium	195000	ug/L	200	1	07/09/19 10:00	07/10/19 23:02	7440-70-2		
Iron	21100	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:02	7439-89-6		
Magnesium	86700	ug/L	200	1	07/09/19 10:00	07/10/19 23:02	7439-95-4		
Manganese	230	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:02	7439-96-5		
Potassium	8740	ug/L	5000	1	07/09/19 10:00	07/10/19 23:02	7440-09-7		
Sodium	171000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:02	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	833	mg/L	1.0	1		07/09/19 05:17			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	700	mg/L	5.0	1		07/11/19 18:20			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	1270	mg/L	20.0	1		07/01/19 10:20			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	127	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	387	mg/L	2.0	1		07/10/19 03:50	16887-00-6		
Sulfate	6.0	mg/L	5.0	1		07/10/19 03:50	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	3.0	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:07	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:25	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:25	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:15	14797-65-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441011	Collected: 06/26/19 09:23	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	0.31	mg/L	0.10	1		07/11/19 16:01	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	38.4	mg/L	1.0	1		07/02/19 23:51	7440-44-0	
Total Organic Carbon	38.6	mg/L	1.0	1		07/02/19 23:51	7440-44-0	
Total Organic Carbon	39.0	mg/L	1.0	1		07/02/19 23:51	7440-44-0	
Total Organic Carbon	38.9	mg/L	1.0	1		07/02/19 23:51	7440-44-0	
Mean Total Organic Carbon	38.7	mg/L	1.0	1		07/02/19 23:51	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441012	Collected: 06/26/19 12:27		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.04	Std. Units		1		06/26/19 12:27		
Field Temperature	13.8	deg C		1		06/26/19 12:27		
Field Specific Conductance	383	umhos/cm		1		06/26/19 12:27		
REDOX	-13	mV		1		06/26/19 12:27		
Field Turbidity	46	NTU		1		06/26/19 12:27		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:08	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:08	7440-38-2	
Barium	254	ug/L	200	1	07/09/19 10:00	07/10/19 23:08	7440-39-3	
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 23:08	7440-42-8	
Calcium	74800	ug/L	200	1	07/09/19 10:00	07/10/19 23:08	7440-70-2	
Iron	1910	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:08	7439-89-6	
Magnesium	9810	ug/L	200	1	07/09/19 10:00	07/10/19 23:08	7439-95-4	
Manganese	383	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:08	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:08	7440-09-7	
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:08	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	218	mg/L	1.0	1		07/09/19 05:28		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	90.0	mg/L	5.0	1		07/11/19 18:22		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	254	mg/L	10.0	1		07/01/19 10:21		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	32.2	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	3.7	mg/L	2.0	1		07/10/19 04:06	16887-00-6	
Sulfate	9.8	mg/L	5.0	1		07/10/19 04:06	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.57	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:08	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:26	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:26	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:16	14797-65-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441012	Collected: 06/26/19 12:27	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 16:02	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	7.6	mg/L	1.0	1		07/03/19 00:08	7440-44-0	
Total Organic Carbon	7.8	mg/L	1.0	1		07/03/19 00:08	7440-44-0	
Total Organic Carbon	7.8	mg/L	1.0	1		07/03/19 00:08	7440-44-0	
Total Organic Carbon	7.7	mg/L	1.0	1		07/03/19 00:08	7440-44-0	
Mean Total Organic Carbon	7.7	mg/L	1.0	1		07/03/19 00:08	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-X *GW-SR* Lab ID: 7095441013 Collected: 06/26/19 09:45 Received: 06/27/19 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3005A								
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:13	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:13	7440-38-2	
Barium	14400	ug/L	200	1	07/09/19 10:00	07/10/19 23:13	7440-39-3	
Boron	645	ug/L	50.0	1	07/09/19 10:00	07/10/19 23:13	7440-42-8	
Calcium	252000	ug/L	200	1	07/09/19 10:00	07/10/19 23:13	7440-70-2	
Iron	22700	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:13	7439-89-6	
Magnesium	94200	ug/L	200	1	07/09/19 10:00	07/10/19 23:13	7439-95-4	
Manganese	460	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:13	7439-96-5	
Potassium	18500	ug/L	5000	1	07/09/19 10:00	07/10/19 23:13	7440-09-7	
Sodium	382000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:13	7440-23-5	
2320B Alkalinity Analytical Method: SM22 2320B								
Alkalinity, Total as CaCO3	1280	mg/L	5.0	1		07/09/19 18:28		
2340C Hardness, Total Analytical Method: SM22 2340C								
Tot Hardness asCaCO3 (SM 2340B)	900	mg/L	5.0	1		07/11/19 18:29		
2540C Total Dissolved Solids Analytical Method: SM22 2540C								
Total Dissolved Solids	1800	mg/L	20.0	1		07/01/19 10:21		
410.4 COD Analytical Method: EPA 410.4 Preparation Method: EPA 410.4								
Chemical Oxygen Demand	169	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0								
Chloride	464	mg/L	40.0	20		07/10/19 21:46	16887-00-6	
Sulfate	<5.0	mg/L	5.0	1		07/10/19 04:23	14808-79-8	
351.2 Total Kjeldahl Nitrogen Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	12.8	mg/L	0.50	5	07/11/19 05:54	07/11/19 13:34	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres Analytical Method: EPA 353.2								
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:30	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:30	7727-37-9	
353.2 Nitrogen, NO2 Analytical Method: EPA 353.2								
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:18	14797-65-0	
4500 Ammonia Water Analytical Method: SM22 4500 NH3 H								
Nitrogen, Ammonia	7.6	mg/L	0.50	5		07/11/19 17:17	7664-41-7	
9060A TOC as NPOC Analytical Method: EPA 9060A								
Total Organic Carbon	49.7	mg/L	1.0	1		07/03/19 00:26	7440-44-0	
Total Organic Carbon	50.2	mg/L	1.0	1		07/03/19 00:26	7440-44-0	
Total Organic Carbon	49.9	mg/L	1.0	1		07/03/19 00:26	7440-44-0	
Total Organic Carbon	50.1	mg/L	1.0	1		07/03/19 00:26	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-X <i>GW-5R</i>		Lab ID: 7095441013	Collected: 06/26/19 09:45	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Mean Total Organic Carbon	50.0	mg/L	1.0	1		07/03/19 00:26	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-1S

Lab Sample ID: 420-157149-1

Lab Name: EnviroTest Laboratories, Inc.

Job No.: 420-157149-1

SDG ID.: 7095441

Matrix: Water

Date Sampled: 06/26/2019 11:37

Reporting Basis: WET

Date Received: 07/18/2019 08:55

% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	GW-2S	Lab Sample ID:	420-156225-1
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-156225-1
SDG ID.:	7095441		
Matrix:	Water	Date Sampled:	06/26/2019 12:26
Reporting Basis:	WET	Date Received:	07/02/2019 09:30
% Solids:			

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-3S Lab Sample ID: 420-156225-2
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 12:04
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	GW-3R	Lab Sample ID:	420-156225-3
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-156225-1
SDG ID.:	7095441		
Matrix:	Water	Date Sampled:	06/26/2019 12:11
Reporting Basis:	WET	Date Received:	07/02/2019 09:30
% Solids:			

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-4R	Lab Sample ID: 420-156225-4
Lab Name: EnviroTest Laboratories, Inc.	Job No.: 420-156225-1
SDG ID.: 7095441	
Matrix: Water	Date Sampled: 06/26/2019 10:17
Reporting Basis: WET	Date Received: 07/02/2019 09:30
% Solids:	

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-5S Lab Sample ID: 420-156225-5
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 10:01
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-5R	Lab Sample ID: 420-156225-6
Lab Name: EnviroTest Laboratories, Inc.	Job No.: 420-156225-1
SDG ID.: 7095441	
Matrix: Water	Date Sampled: 06/26/2019 09:45
Reporting Basis: WET	Date Received: 07/02/2019 09:30
% Solids:	

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-6S Lab Sample ID: 420-156225-7
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 11:06
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-6R Lab Sample ID: 420-156225-8
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 11:01
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-7S Lab Sample ID: 420-156225-9
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 09:31
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-7R Lab Sample ID: 420-156225-10
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 09:23
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-9R Lab Sample ID: 420-156225-11
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 12:27
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

Client Sample ID:	GW-X	Lab Sample ID:	420-156225-12
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-156225-1
SDG ID.:	7095441		
Matrix:	Water	Date Sampled:	06/26/2019 09:45
Reporting Basis:	WET	Date Received:	07/02/2019 09:30
% Solids:			

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441014	Collected: 06/25/19 12:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>us</i>	ug/L	5.0	1		07/06/19 17:58	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:58	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:58	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-27-4	
Bromoform	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 17:58	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:58	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:58	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:58	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:58	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:58	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:58	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:58	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:58	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:58	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 17:58	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:58	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:58	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:58	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:58	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:58	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:58	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 17:58	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:58	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441014		Collected: 06/25/19 12:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		129	%	68-153	1		07/06/19 17:58	17060-07-0	
4-Bromofluorobenzene (S)		93	%	79-124	1		07/06/19 17:58	460-00-4	
Toluene-d8 (S)		94	%	69-124	1		07/06/19 17:58	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441015	Collected: 06/25/19 10:40	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>MS</i>	ug/L	5.0	1		07/06/19 17:39	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:39	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:39	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-27-4	
Bromoform	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 17:39	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:39	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:39	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:39	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:39	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:39	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:39	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:39	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:39	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:39	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 17:39	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:39	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:39	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:39	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:39	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:39	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:39	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 17:39	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:39	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441015		Collected: 06/25/19 10:40		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		125	%	68-153	1		07/06/19 17:39	17060-07-0	
4-Bromofluorobenzene (S)		95	%	79-124	1		07/06/19 17:39	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 17:39	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441016	Collected: 06/25/19 10:10	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>us</i>	ug/L	5.0	1		07/06/19 17:20	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:20	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:20	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-27-4	
Bromoform	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 17:20	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:20	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:20	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:20	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:20	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:20	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:20	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:20	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:20	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:20	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 17:20	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:20	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:20	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:20	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	630-20-6	
1,1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:20	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	79-00-5	
Trichloroethene	2.9	ug/L	1.0	1		07/06/19 17:20	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:20	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:20	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 17:20	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:20	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441016		Collected: 06/25/19 10:10		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		127	%	68-153	1		07/06/19 17:20	17060-07-0	
4-Bromofluorobenzene (S)		95	%	79-124	1		07/06/19 17:20	460-00-4	
Toluene-d8 (S)		96	%	69-124	1		07/06/19 17:20	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441017	Collected: 06/25/19 10:15	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>u5</i>	ug/L	5.0	1		07/06/19 17:00	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:00	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:00	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-27-4	
Bromoform	<1.0 <i>u5</i>	ug/L	1.0	1		07/06/19 17:00	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:00	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:00	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:00	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:00	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:00	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:00	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:00	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	75-35-4	
cis-1,2-Dichloroethene	1.5	ug/L	1.0	1		07/06/19 17:00	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:00	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:00	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>u5</i>	ug/L	1.0	1		07/06/19 17:00	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:00	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:00	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:00	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:00	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:00	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:00	108-05-4	
Vinyl chloride	3.4	ug/L	1.0	1		07/06/19 17:00	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:00	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441017		Collected: 06/25/19 10:15		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 17:00	17060-07-0	
4-Bromofluorobenzene (S)		94	%	79-124	1		07/06/19 17:00	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 17:00	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441018	Collected: 06/25/19 09:15	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>MS</i>	ug/L	5.0	1		07/06/19 16:41	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 16:41	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 16:41	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-27-4	
Bromoform	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 16:41	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 16:41	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 16:41	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 16:41	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 16:41	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 16:41	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 16:41	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 16:41	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:41	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:41	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 16:41	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 16:41	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 16:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 16:41	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 16:41	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 16:41	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:41	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 16:41	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 16:41	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 16:41	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441018		Collected: 06/25/19 09:15		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		125	%	68-153	1		07/06/19 16:41	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 16:41	460-00-4	
Toluene-d8 (S)		94	%	69-124	1		07/06/19 16:41	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441019	Collected: 06/25/19 09:48	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>MS</i>	ug/L	5.0	1		07/06/19 16:22	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 16:22	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 16:22	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-27-4	
Bromoform	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 16:22	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 16:22	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 16:22	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 16:22	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 16:22	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 16:22	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 16:22	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 16:22	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:22	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:22	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 16:22	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 16:22	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 16:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 16:22	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 16:22	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	630-20-6	
1,1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 16:22	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:22	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 16:22	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 16:22	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 16:22	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441019		Collected: 06/25/19 09:48		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		127	%	68-153	1		07/06/19 16:22	17060-07-0	
4-Bromofluorobenzene (S)		96	%	79-124	1		07/06/19 16:22	460-00-4	
Toluene-d8 (S)		93	%	69-124	1		07/06/19 16:22	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441020	Collected: 06/25/19 09:31	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>u</i>	ug/L	5.0	1		07/06/19 16:02	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 16:02	107-13-1	
Benzene	6.7	ug/L	1.0	1		07/06/19 16:02	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	75-27-4	
Bromoform	<1.0 <i>u</i>	ug/L	1.0	1		07/06/19 16:02	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 16:02	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 16:02	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 16:02	56-23-5	
Chlorobenzene	4.8	ug/L	1.0	1		07/06/19 16:02	108-90-7	
Chloroethane	24.0	ug/L	1.0	1		07/06/19 16:02	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 16:02	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 16:02	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 16:02	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:02	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:02	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 16:02	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:02	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:02	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>u</i>	ug/L	1.0	1		07/06/19 16:02	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 16:02	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 16:02	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 16:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 16:02	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 16:02	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 16:02	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:02	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 16:02	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 16:02	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 16:02	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441020		Collected: 06/25/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 16:02	17060-07-0	
4-Bromofluorobenzene (S)		102	%	79-124	1		07/06/19 16:02	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 16:02	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441021	Collected: 06/25/19 11:04	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>us</i>	ug/L	5.0	1		07/06/19 15:43	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 15:43	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 15:43	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-27-4	
Bromoform	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 15:43	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 15:43	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 15:43	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 15:43	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 15:43	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 15:43	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 15:43	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 15:43	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:43	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:43	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 15:43	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 15:43	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 15:43	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 15:43	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 15:43	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:43	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 15:43	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 15:43	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 15:43	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441021		Collected: 06/25/19 11:04		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		126	%	68-153	1		07/06/19 15:43	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 15:43	460-00-4	
Toluene-d8 (S)		96	%	69-124	1		07/06/19 15:43	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441022	Collected: 06/25/19 11:07	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>uS</i>	ug/L	5.0	1		07/06/19 15:23	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 15:23	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 15:23	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-27-4	M1
Bromoform	<1.0 <i>uS</i>	ug/L	1.0	1		07/06/19 15:23	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 15:23	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 15:23	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 15:23	56-23-5	M1
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 15:23	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 15:23	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 15:23	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 15:23	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:23	75-35-4	
cis-1,2-Dichloroethene	14.5	ug/L	1.0	1		07/06/19 15:23	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:23	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:23	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:23	10061-01-5	M1
trans-1,3-Dichloropropene	<1.0 <i>uS</i>	ug/L	1.0	1		07/06/19 15:23	10061-02-6	L1,M0
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 15:23	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-88-4	R1
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 15:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 15:23	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 15:23	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 15:23	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 15:23	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	71-55-6	M1
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	79-00-5	
Trichloroethene	10.5	ug/L	1.0	1		07/06/19 15:23	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:23	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 15:23	108-05-4	
Vinyl chloride	4.0	ug/L	1.0	1		07/06/19 15:23	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 15:23	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441022		Collected: 06/25/19 11:07		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		124	%	68-153	1		07/06/19 15:23	17060-07-0	
4-Bromofluorobenzene (S)		99	%	79-124	1		07/06/19 15:23	460-00-4	
Toluene-d8 (S)		96	%	69-124	1		07/06/19 15:23	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441023	Collected: 06/25/19 11:25	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>MS</i>	ug/L	5.0	1		07/06/19 15:03	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 15:03	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 15:03	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-27-4	
Bromoform	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 15:03	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 15:03	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 15:03	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 15:03	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 15:03	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 15:03	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 15:03	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 15:03	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:03	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:03	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 15:03	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 15:03	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 15:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 15:03	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 15:03	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 15:03	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:03	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 15:03	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 15:03	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 15:03	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441023		Collected: 06/25/19 11:25		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		124	%	68-153	1		07/06/19 15:03	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 15:03	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 15:03	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441024	Collected: 06/25/19 11:16	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	8.1 <i>J</i>	ug/L	5.0	1		07/06/19 14:44	67-64-1	CH
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 14:44	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 14:44	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	75-27-4	
Bromoform	<1.0 <i>uJ</i>	ug/L	1.0	1		07/06/19 14:44	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 14:44	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 14:44	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 14:44	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	108-90-7	
Chloroethane	2.8	ug/L	1.0	1		07/06/19 14:44	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 14:44	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 14:44	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 14:44	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 14:44	110-57-6	
1,1-Dichloroethane	6.6	ug/L	1.0	1		07/06/19 14:44	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:44	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:44	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>uJ</i>	ug/L	1.0	1		07/06/19 14:44	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 14:44	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 14:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 14:44	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 14:44	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 14:44	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:44	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 14:44	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 14:44	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 14:44	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441024		Collected: 06/25/19 11:16		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 14:44	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 14:44	460-00-4	
Toluene-d8 (S)		94	%	69-124	1		07/06/19 14:44	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441025	Collected: 06/25/19 13:10	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>uS</i>	ug/L	5.0	1		07/06/19 14:24	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 14:24	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 14:24	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-27-4	
Bromoform	<1.0 <i>uS</i>	ug/L	1.0	1		07/06/19 14:24	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 14:24	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 14:24	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 14:24	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 14:24	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 14:24	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 14:24	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 14:24	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:24	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:24	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>uS</i>	ug/L	1.0	1		07/06/19 14:24	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 14:24	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 14:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 14:24	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 14:24	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 14:24	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:24	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 14:24	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 14:24	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 14:24	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441025		Collected: 06/25/19 13:10		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 14:24	17060-07-0	
4-Bromofluorobenzene (S)		94	%	79-124	1		07/06/19 14:24	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 14:24	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-X		Lab ID: 7095441026	Collected: 06/25/19 09:31	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	16.3 <i>✓</i>	ug/L	5.0	1		07/06/19 14:05	67-64-1	CH
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 14:05	107-13-1	
Benzene	7.3	ug/L	1.0	1		07/06/19 14:05	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	75-27-4	
Bromoform	<1.0 <i>✓</i>	ug/L	1.0	1		07/06/19 14:05	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 14:05	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 14:05	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 14:05	56-23-5	
Chlorobenzene	5.1	ug/L	1.0	1		07/06/19 14:05	108-90-7	
Chloroethane	25.6	ug/L	1.0	1		07/06/19 14:05	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 14:05	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 14:05	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 14:05	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:05	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:05	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 14:05	110-57-6	
1,1-Dichloroethane	1.0	ug/L	1.0	1		07/06/19 14:05	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:05	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:05	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>✓</i>	ug/L	1.0	1		07/06/19 14:05	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 14:05	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 14:05	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 14:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 14:05	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 14:05	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 14:05	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:05	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 14:05	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 14:05	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 14:05	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-X		Lab ID: 7095441026		Collected: 06/25/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		121	%	68-153	1		07/06/19 14:05	17060-07-0	
4-Bromofluorobenzene (S)		101	%	79-124	1		07/06/19 14:05	460-00-4	
Toluene-d8 (S)		93	%	69-124	1		07/06/19 14:05	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Sample: SW-1		Lab ID: 7095500001		Collected: 06/26/19 11:51		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	8.08	Std. Units		1		06/26/19 11:51			
Field Temperature	22.8	deg C		1		06/26/19 11:51			
Field Specific Conductance	1021	umhos/cm		1		06/26/19 11:51			
Oxygen, Dissolved	9.8	mg/L		1		06/26/19 11:51	7782-44-7		
REDOX	-73	mV		1		06/26/19 11:51			
Field Turbidity	4.38	NTU		1		06/26/19 11:51			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:19	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:19	7440-38-2		
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 23:19	7440-39-3		
Calcium	88300 J	ug/L	200	1	07/09/19 10:00	07/10/19 23:19	7440-70-2		
Iron	2580	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:19	7439-89-6		
Magnesium	18200	ug/L	200	1	07/09/19 10:00	07/10/19 23:19	7439-95-4		
Manganese	428	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:19	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:19	7440-09-7		
Sodium	93800 J	ug/L	5000	1	07/09/19 10:00	07/10/19 23:19	7440-23-5		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0 J	ug/L	5.0	1		07/05/19 20:50	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/05/19 20:50	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/05/19 20:50	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/05/19 20:50	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/05/19 20:50	75-27-4		
Bromoform	<1.0 J	ug/L	1.0	1		07/05/19 20:50	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		07/05/19 20:50	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/05/19 20:50	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/05/19 20:50	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/05/19 20:50	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/05/19 20:50	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/05/19 20:50	67-66-3		
Chloromethane	<1.0 J	ug/L	1.0	1		07/05/19 20:50	74-87-3	CL	
1,2-Dibromo-3-chloropropane	<1.0 J	ug/L	1.0	1		07/05/19 20:50	96-12-8	CL,L2	
Dibromochloromethane	<1.0 J	ug/L	1.0	1		07/05/19 20:50	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/05/19 20:50	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/05/19 20:50	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/05/19 20:50	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/05/19 20:50	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0 J	ug/L	1.0	1		07/05/19 20:50	110-57-6	CL,L2	
1,1-Dichloroethane	<1.0 J	ug/L	1.0	1		07/05/19 20:50	75-34-3	CL,L2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/05/19 20:50	78-87-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Sample: SW-1		Lab ID: 7095500001	Collected: 06/26/19 11:51	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 20:50	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 20:50	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		07/05/19 20:50	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/05/19 20:50	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/05/19 20:50	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/05/19 20:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/05/19 20:50	108-10-1	L2
Styrene	<1.0	ug/L	1.0	1		07/05/19 20:50	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	630-20-6	L1
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/05/19 20:50	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/05/19 20:50	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/05/19 20:50	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/05/19 20:50	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/05/19 20:50	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		07/05/19 20:50	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		07/05/19 20:50	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		07/05/19 20:50	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		07/05/19 20:50	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Sample: SEEP		Lab ID: 7095500002		Collected: 06/26/19 12:54		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.97	Std. Units		1		06/26/19 12:54			
Field Temperature	23.6	deg C		1		06/26/19 12:54			
Field Specific Conductance	624	umhos/cm		1		06/26/19 12:54			
Oxygen, Dissolved	10.9	mg/L		1		06/26/19 12:54	7782-44-7		
REDOX	-98	mV		1		06/26/19 12:54			
Field Turbidity	24.8	NTU		1		06/26/19 12:54			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:35	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:35	7440-38-2		
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 23:35	7440-39-3		
Calcium	91900 J	ug/L	200	1	07/09/19 10:00	07/10/19 23:35	7440-70-2		
Iron	1090	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:35	7439-89-6		
Magnesium	19000	ug/L	200	1	07/09/19 10:00	07/10/19 23:35	7439-95-4		
Manganese	240	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:35	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:35	7440-09-7		
Sodium	101000 J	ug/L	5000	1	07/09/19 10:00	07/10/19 23:35	7440-23-5		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0 J	ug/L	5.0	1		07/05/19 21:10	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/05/19 21:10	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/05/19 21:10	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-27-4		
Bromoform	<1.0 J	ug/L	1.0	1		07/05/19 21:10	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/05/19 21:10	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/05/19 21:10	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/05/19 21:10	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/05/19 21:10	67-66-3		
Chloromethane	<1.0 HPLC	ug/L	1.0	1		07/05/19 21:10	74-87-3	CL	
1,2-Dibromo-3-chloropropane	<1.0 HPLC	ug/L	1.0	1		07/05/19 21:10	96-12-8	CL,L2	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/05/19 21:10	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0 HPLC	ug/L	1.0	1		07/05/19 21:10	110-57-6	CL,L2	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-34-3	CL,L2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/05/19 21:10	78-87-5		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Sample: SEEP		Lab ID: 7095500002	Collected: 06/26/19 12:54	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 21:10	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 21:10	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/05/19 21:10	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/05/19 21:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/05/19 21:10	108-10-1	L2
Styrene	<1.0	ug/L	1.0	1		07/05/19 21:10	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	630-20-6	L1
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/05/19 21:10	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/05/19 21:10	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/05/19 21:10	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/05/19 21:10	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		07/05/19 21:10	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	68-153	1		07/05/19 21:10	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		07/05/19 21:10	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		07/05/19 21:10	2037-26-5	

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Environment Testing
TestAmerica

ANALYTICAL REPORT

Job Number: 320-51811-1

SDG Number: 7095477

Job Description: Pace PFAS Testing

For:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747

Attention: Jennifer Aracri

Cesar C Cortes

Approved for release.
Cesar C Cortes
Project Manager I
7/16/2019 9:51 PM

Cesar C Cortes, Project Manager I
880 Riverside Parkway, West Sacramento, CA, 95605
(916)374-4316
cesar.cortes@testamericainc.com
07/16/2019



Receipt

The samples were received on 6/28/2019 at 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

Method 537 modified

The following samples were brown in color and contained brown particulate: GW-1S (320-51811-1), GW-3S (320-51811-2), GW-6R (320-51811-3) and FIELD DUPLICATE (320-51811-5).

The following samples were yellow in color and contained brown particulate: GW-9R (320-51811-4), GW-9R (320-51811-4[MS]), GW-9R (320-51811-4[MSD]).

The following samples contained non-settable particulates which clogged the solid-phase extraction column: GW-1S (320-51811-1), GW-3S (320-51811-2), GW-6R (320-51811-3) and FIELD DUPLICATE (320-51811-5).

Elevated reporting limits are provided for the following samples due to insufficient volume provided: GW-6R (320-51811-3), GW-9R (320-51811-4) and GW-9R (320-51811-4[MS]).

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

Sample Summary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-51811-1	GW-1S	Water	06/26/19 11:37	06/28/19 09:30	
320-51811-2	GW-3S	Water	06/26/19 12:04	06/28/19 09:30	
320-51811-3	GW-6R	Water	06/26/19 11:01	06/28/19 09:30	
320-51811-4	GW-9R	Water	06/26/19 12:27	06/28/19 09:30	
320-51811-5	FIELD DUPLICATE	Water	06/26/19 11:01	06/28/19 09:30	
320-51811-6	EQUIPMENT BLANK	Water	06/26/19 11:47	06/28/19 09:30	

Chain of Custody

PASI New York Laboratory

Pace Analytical
www.pacelabs.com

Results Requested By: 7/12/2019

Workorder: 7085477

Workorder Name: BROCKPORT LANDFILL 6/26

Report/Invoice To		Subcontract To		Requested Analysis	
Jennifer Aracri Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631) 694-3040 Email: jennifer.aracri@pacelabs.com		TA Eurofins-Sacramento P.O. 7095477SA 880 Riverside Pkwy West Sacramento, CA 95605		320-51811 Chain of Custody	
State of Sample Origin: NY		Preserved Containers		PEAS by 537M	
Item	Sample ID	Collect	Date/Time	Lab ID	Matrix
1	GW-15	6/26/2019 11:37	7085477001	Water	2
2	GW-35	6/26/2019 12:04	7085477002	Water	2
3	GW-6R	6/26/2019 11:01	7085477003	Water	2
4	GW-9R	6/26/2019 12:27	7085477004	Water	6
5	FIELD DUPLICATE	6/26/2019 11:01	7085477005	Water	2
6	EQUIPMENT BLANK	6/26/2019 11:47	7085477006	Water	2



Transfers	Released By	Date/Time	Received By	Date/Time	Need a Category B package w/NY EQuIS EDDs
1	M/L - M/L	6/27/19 18:00	ETA-SAC	6/28/19 9:30	
2					
3					

Cooler Temperature on Receipt	2.6 °C	Custody Seal	Y or N	Received on Ice	Y or N	Samples Intact	Y or N
-------------------------------	--------	--------------	--------	-----------------	--------	----------------	--------

2.6°C
MAN 6/28/19

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento	Job No.: 320-51811-1
SDG No.: 7095477	
Client Sample ID: GW-1S	Lab Sample ID: 320-51811-1
Matrix: Water	Lab File ID: 2019.07.03LLC_038.d
Analysis Method: 537 (modified)	Date Collected: 06/26/2019 11:37
Extraction Method: 3535	Date Extracted: 07/02/2019 07:30
Sample wt/vol: 249.8(mL)	Date Analyzed: 07/04/2019 10:44
Con. Extract Vol.: 10.0(mL)	Dilution Factor: 1
Injection Volume: 20(uL)	GC Column: GeminiC18 3x100 ID: 3(mm)
% Moisture:	GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698	Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	0.74	J	2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.04 0.44 J B		2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.04 0.85 J		2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento	Job No.: 320-51811-1
SDG No.: 7095477	
Client Sample ID: GW-3S	Lab Sample ID: 320-51811-2
Matrix: Water	Lab File ID: 2019.07.03LLC_039.d
Analysis Method: 537 (modified)	Date Collected: 06/26/2019 12:04
Extraction Method: 3535	Date Extracted: 07/02/2019 07:30
Sample wt/vol: 247.8 (mL)	Date Analyzed: 07/04/2019 10:52
Con. Extract Vol.: 10.0 (mL)	Dilution Factor: 1
Injection Volume: 20 (uL)	GC Column: GeminiC18 3x100 ID: 3 (mm)
% Moisture:	GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698	Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	7.5		2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.59
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	1.8	J	2.0	0.86
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.85	J	2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.04 0.76	J B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.8	J	2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	6.4	J	20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento	Job No.: 320-51811-1
SDG No.: 7095477	
Client Sample ID: GW-6R	Lab Sample ID: 320-51811-3
Matrix: Water	Lab File ID: 2019.07.03LLC_040.d
Analysis Method: 537 (modified)	Date Collected: 06/26/2019 11:01
Extraction Method: 3535	Date Extracted: 07/02/2019 07:30
Sample wt/vol: 244.5(mL)	Date Analyzed: 07/04/2019 11:00
Con. Extract Vol.: 10.0(mL)	Dilution Factor: 1
Injection Volume: 20(uL)	GC Column: GeminiC18 3x100 ID: 3(mm)
% Moisture:	GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698	Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	40		2.0	0.36
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.50
307-24-4	Perfluorohexanoic acid (PFHxA)	12		2.0	0.59
375-85-9	Perfluoroheptanoic acid	6.1		2.0	0.26
335-67-1	Perfluorooctanoic acid (PFOA)	27		2.0	0.87
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.28
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.32
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.56
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.30
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.7	B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.82	J	2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	36		2.0	0.55
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.33
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.36
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.2
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento	Job No.: 320-51811-1
SDG No.: 7095477	
Client Sample ID: GW-9R	Lab Sample ID: 320-51811-4
Matrix: Water	Lab File ID: 2019.07.03LLC_042.d
Analysis Method: 537 (modified)	Date Collected: 06/26/2019 12:27
Extraction Method: 3535	Date Extracted: 07/02/2019 07:30
Sample wt/vol: 255(mL)	Date Analyzed: 07/04/2019 11:16
Con. Extract Vol.: 10.0(mL)	Dilution Factor: 1
Injection Volume: 20(uL)	GC Column: GeminiC18 3x100 ID: 3(mm)
% Moisture:	GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698	Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	23		2.0	0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.2		2.0	0.48
307-24-4	Perfluorohexanoic acid (PFHxA)	2.9		2.0	0.57
375-85-9	Perfluoroheptanoic acid	2.7		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	5.1		2.0	0.83
375-95-1	Perfluorononanoic acid (PFNA)	0.51	J	2.0	0.26
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.30
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.28	J	2.0	0.28
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.8	J	2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.04	J B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.9	J	2.0	0.53
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.31
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.34
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.0
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

07/19/19

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 320-51811-1

SDG No.: 7095477

Client Sample ID: FIELD DUPLICATE

Lab Sample ID: 320-51811-5

Matrix: Water

Lab File ID: 2019.07.03LLC_044.d

Analysis Method: 537 (modified)

Date Collected: 06/26/2019 11:01

Extraction Method: 3535

Date Extracted: 07/02/2019 07:30

Sample wt/vol: 248.7(mL)

Date Analyzed: 07/04/2019 11:32

Con. Extract Vol.: 10.0(mL)

Dilution Factor: 1

Injection Volume: 20(uL)

GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture:

GPC Cleanup: (Y/N) N

Analysis Batch No.: 305698

Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	40		2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	12		2.0	0.58
375-85-9	Perfluoroheptanoic acid	5.6		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	26		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	1.0	J	2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	0.81	J	2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.9	J	2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.9	B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.96	J	2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	39		2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento	Job No.: 320-51811-1
SDG No.: 7095477	
Client Sample ID: EQUIPMENT BLANK	Lab Sample ID: 320-51811-6
Matrix: Water	Lab File ID: 2019.07.03LLC_045.d
Analysis Method: 537 (modified)	Date Collected: 06/26/2019 11:47
Extraction Method: 3535	Date Extracted: 07/02/2019 07:30
Sample wt/vol: 250.7(mL)	Date Analyzed: 07/04/2019 11:40
Con. Extract Vol.: 10.0(mL)	Dilution Factor: 1
Injection Volume: 20(uL)	GC Column: GeminiC18 3x100 ID: 3(mm)
% Moisture:	GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698	Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	ND		2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.44	J B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.98	J	2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Sacramento</u>	Job No.: <u>320-51811-1</u>
SDG No.: <u>7095477</u>	
Client Sample ID: _____	Lab Sample ID: <u>MB 320-305096/1-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>2019.07.03LLC_036.d</u>
Analysis Method: <u>537 (modified)</u>	Date Collected: _____
Extraction Method: <u>3535</u>	Date Extracted: <u>07/02/2019 07:30</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>07/04/2019 10:28</u>
Con. Extract Vol.: <u>10.0 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>20 (uL)</u>	GC Column: <u>GeminiC18 3x100 ID: 3 (mm)</u>
% Moisture: _____	GPC Cleanup: <u>(Y/N) N</u>
Analysis Batch No.: <u>305698</u>	Units: <u>ng/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	ND		2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.319	J	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

APPENDIX C

Trend Analysis of Water Quality Data

Brockport Landfill

Site No. 8-28-038

(2001 - 2019 Data)

Prepared by:

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Dansville, NY 14437**

September 2019

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Exhibit A Time Series Plots

1.0 INTRODUCTION

In accordance with Section 6.3.2 in Appendix D of the *Brockport Landfill - Site No. 8-28-038 Post-Closure Monitoring and Maintenance Operations Manual* for the Village of Brockport Landfill, analytical data obtained from the past rounds of groundwater and surface water monitoring at the landfill site were examined to determine temporal trends in water quality at each of the sampling locations. The trend analyses were performed for the purpose of evaluating the performance of the landfill cap.

The analytical results obtained for each monitoring well and surface water sampling point during 2001 - 2019 were examined for trends of concentration versus time using a non-parametric statistical method. The analytical data were examined for both upward and downward trends so that potential impacts or improvements in water quality at the site can be assessed.

2.0 PROCEDURES

Trends in water quality were evaluated statistically using Sen's slope estimator, a non-parametric method of estimating the true slope (change in concentration over time) of the historical analytical data. An upward slope in the data indicates an upward trend in the data. A downward slope indicates a downward trend. Because the method is non-parametric, it can be applied to datasets containing a high level of non-detects and is not significantly affected by outliers.

For each monitoring well and surface water sampling station, trend analyses were conducted on all inorganic and organic chemical parameters in the database using up to 20 data points available from the 2001 - 2019 monitoring period. Method detection limits (MDLs) were substituted for non-detect data. Chemical parameters with more than 80% non-detect results in the historical data were not tested for trends. Parameters having insufficient data ($n < 4$) were also not tested for trends.

The statistical tests were performed at the 95% confidence level. The tests were conducted using AquaChem® computer software.

3.0 RESULTS

The trends identified in the monitoring well and surface water analytical data are summarized in Table 1 and are shown graphically in Exhibit A of this report. As indicated in Table 1, the number of trends found varied widely among the monitoring well and surface water samples. Downward trends were predominant in wells GW-2S, GW-3S, GW-5S, GW-7S, GW-4R, and GW-6R..

Upward trends were predominant in wells GW-1S, GW-6S, GW-3R, GW-5R, GW-7R, and GW-9R.

Downward trends were identified for trichloroethene (TCE) and/or its degradation products (cis-1,2-dichloroethene and vinyl chloride) in wells GW-3S, GW-3R, and GW-6R. A downward trend for chloroethane was found for well GW-5R.

Upward trends in barium, calcium, magnesium, manganese, potassium, and sodium were found for surface water sample SW-1. No trends were found for the SEEP samples.

4.0 CONCLUSIONS

The predominance of downward trends identified for wells GW-2S, GW-3S, GW-5S, GW-7S, GW-4R, and GW-6R indicates an improvement in groundwater quality in areas surrounding these wells. The upward trends identified for key leachate indicator parameters such as barium, sodium, chloride, and total dissolved solids (TDS) in wells GW-1S, GW-6S, GW-3R, GW-5R, GW-7R, and GW-9R suggests that groundwater quality surrounding these wells has yet to improve.

Upward trends dominated in surface water sample SW-1.

TABLE 1

TREND ANALYSIS SUMMARY
2001 - 2019 Monitoring Data

(U indicates an upward trend; D indicates a downward trend)

OVERBURDEN WELLS

GW-1S	GW-2S	GW-3S	GW-5S	GW-6S	GW-7S
Chloride (U)	Sulfate (D)	Chloride (D)	Chloride (U)	Barium (U)	Conductivity (D)
TDS (U)		Sulfate (D)	COD (D)		Chloride (D)
Calcium (U)		TDS (D)	TKN (D)		COD (D)
		Barium (D)	Barium (D)		Ammonia (D)
		Potassium (D)	Iron (D)		Sulfate (D)
		Sodium (D)	Manganese (D)		TDS (D)
		cis-1,2-DCE (D)	Sodium (U)		TKN (D)
		Vinyl chloride (D)			TOC (D)
					Barium (D)
					Calcium (U)
					Potassium (D)
					Sodium (D)
					Bicarbonate (D)

BEDROCK WELLS

GW-3R	GW-4R	GW-5R	GW-6R	GW-7R	GW-9R
TDS (U)	Chloride (U)	Chloride (U)	Conductivity (D)	Chloride (U)	TDS (U)
Calcium (U)	COD (D)	TDS (U)	Ammonia (D)	COD (U)	Calcium (U)
Iron (D)	Ammonia (D)	TKN (U)	TKN (D)	TDS (U)	Iron (U)
Potassium (U)	TKN (D)	Barium (U)	Iron (D)	TOC (U)	Manganese (U)
Sodium (U)	TOC (D)	Magnesium (U)	Potassium (D)	Arsenic (U)	
Bicarbonate (U)	Barium (D)	Manganese (D)	TCE (D)	Barium (U)	
Vinyl chloride (D)	Iron (D)	Potassium (U)		Calcium (U)	
	Magnesium (D)	Sodium (U)		Iron (U)	
	Manganese (D)	Chloroethane (D)		Magnesium (U)	
	Potassium (D)			Manganese (D)	
	Bicarbonate (D)			Sodium (U)	
				Bicarbonate (U)	

SURFACE WATER

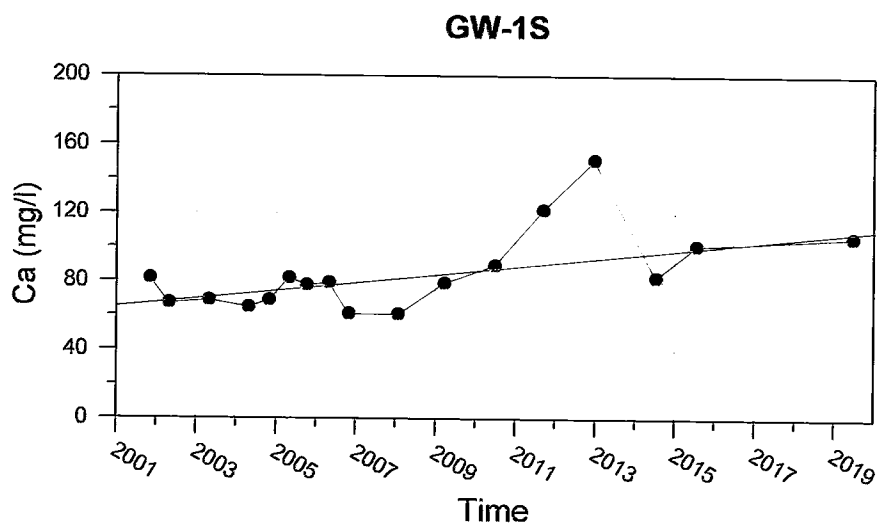
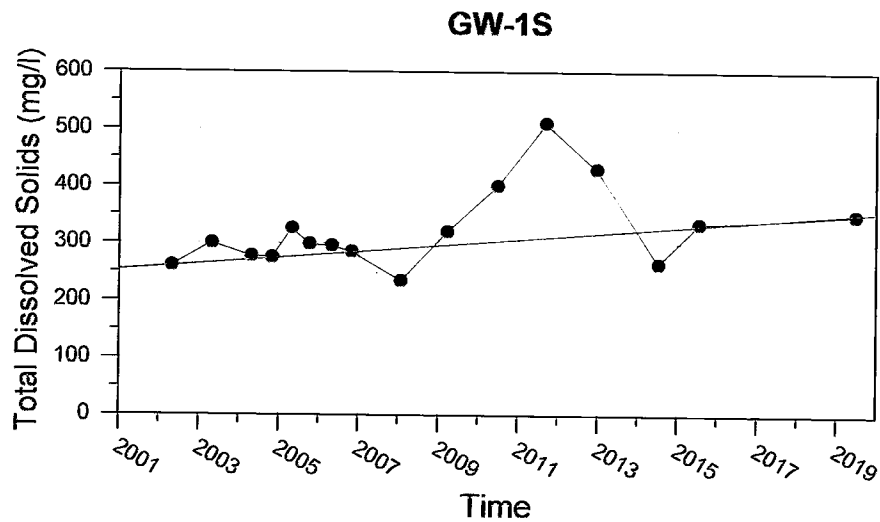
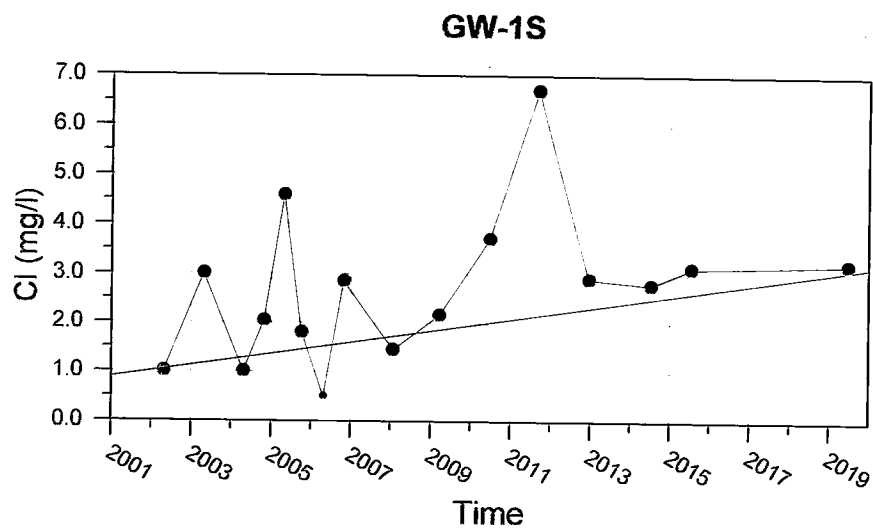
SW-1	SEEP
Barium (U)	
Calcium (U)	no
Magnesium (U)	trends
Manganese (U)	
Potassium (U)	
Sodium (U)	

Notes:

COD = chemical oxygen demand
 TOC = total organic carbon
 TDS = total dissolved solids
 TKN = total Kjeldahl nitrogen
 TCE = trichloroethene
 cis 1,2-DCE = cis-1,2-dichloroethene

Exhibit A

Time Series Plots



TITLE: Trend Analysis

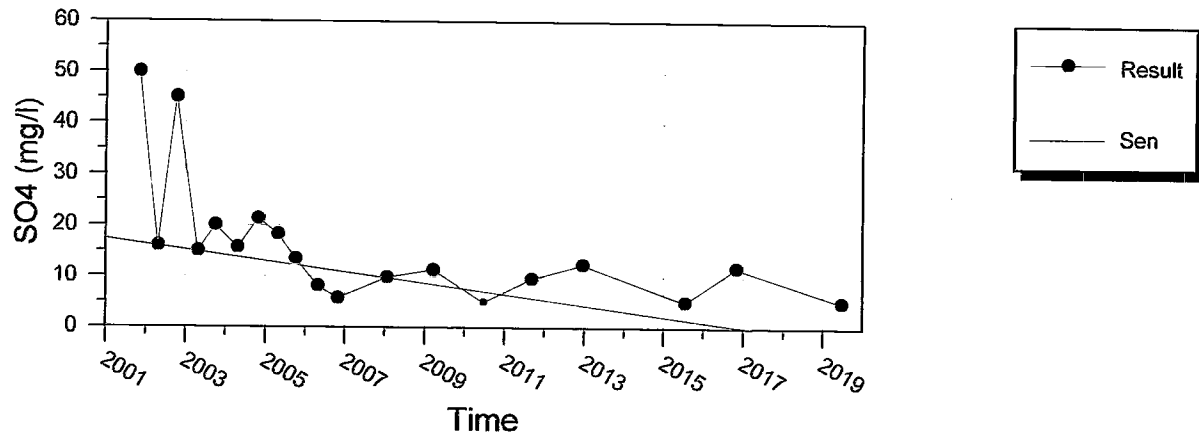
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EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019

GW-2S



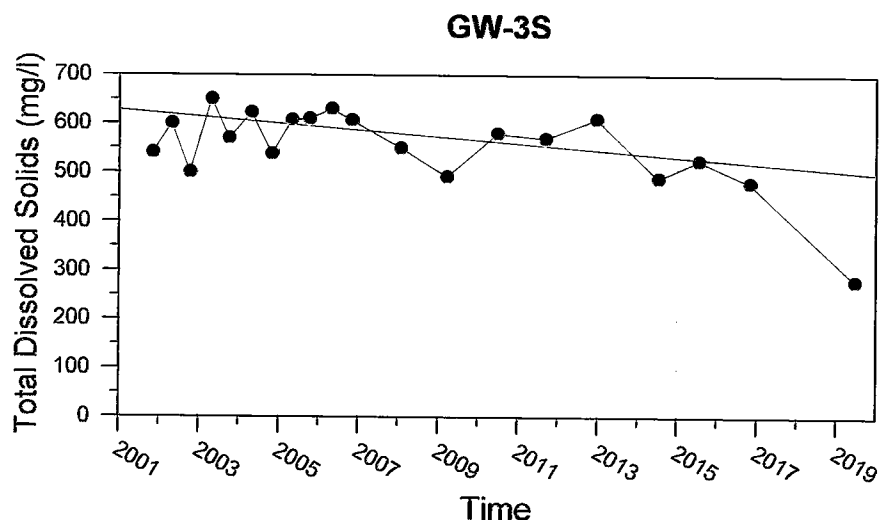
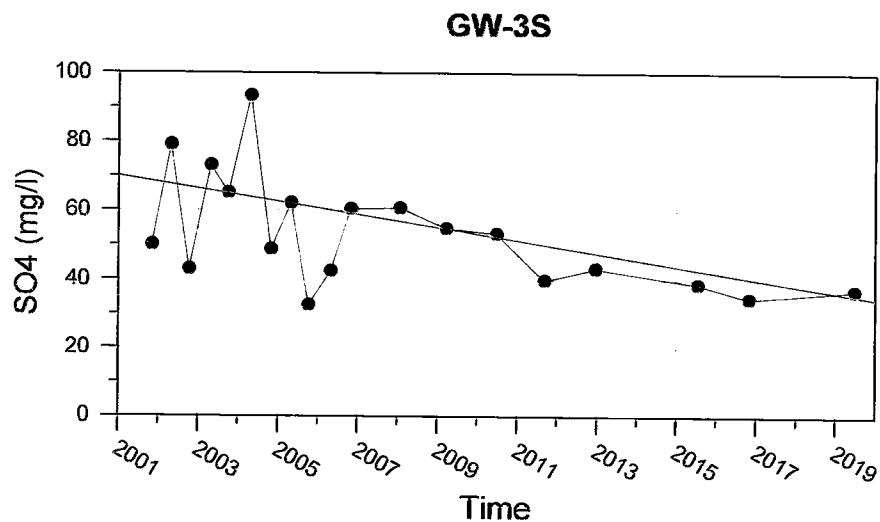
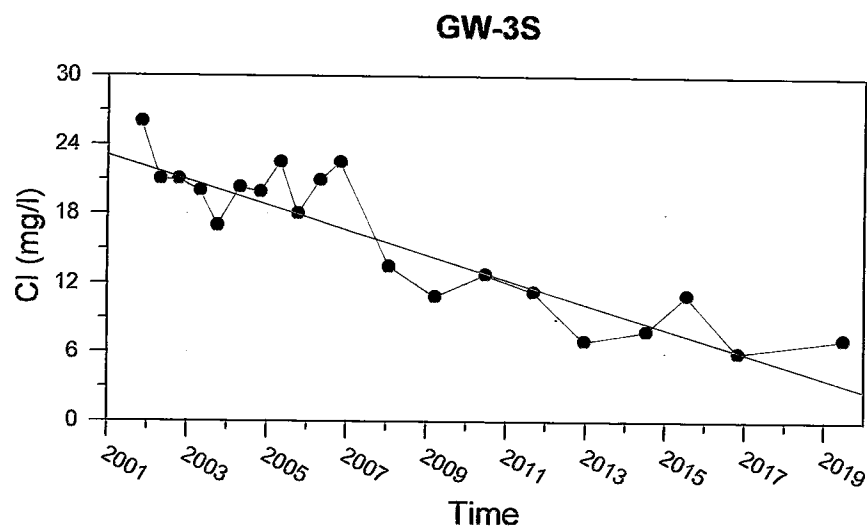
TITLE: Trend Analysis

SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



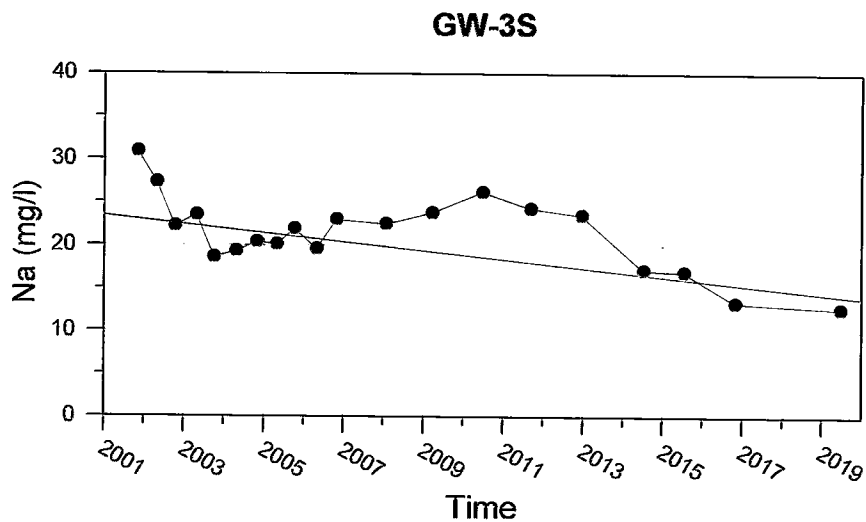
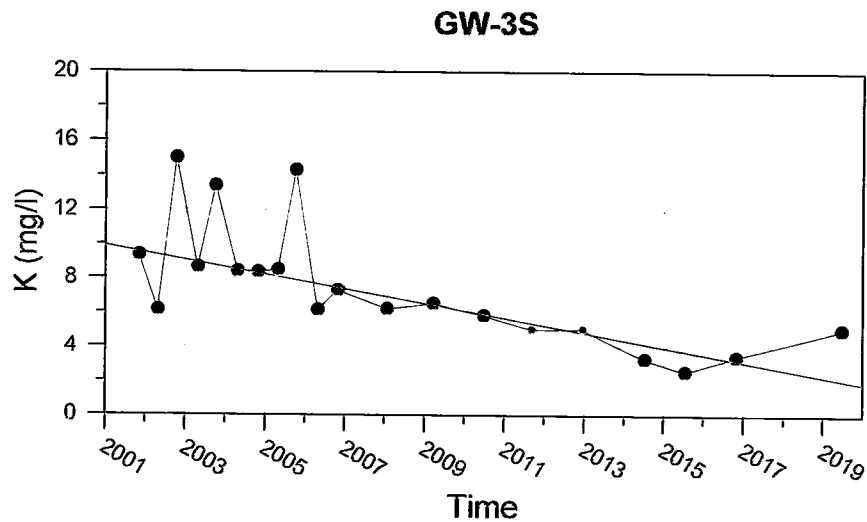
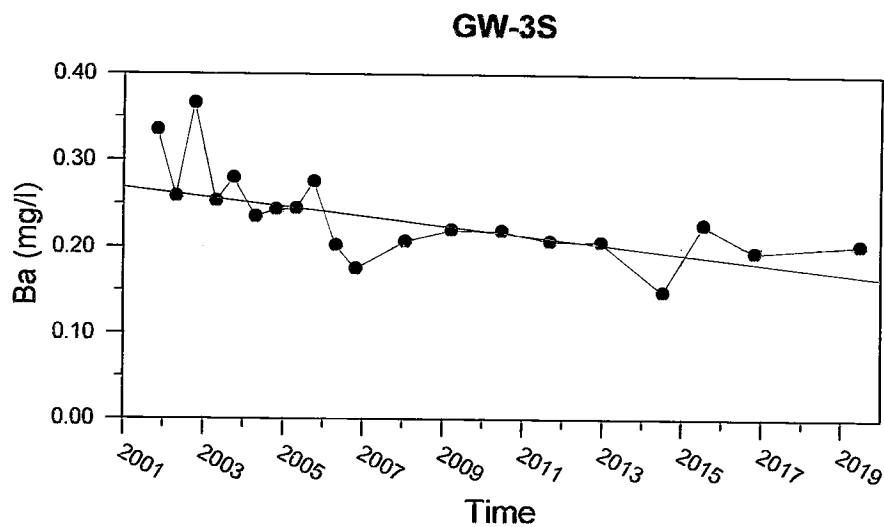
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



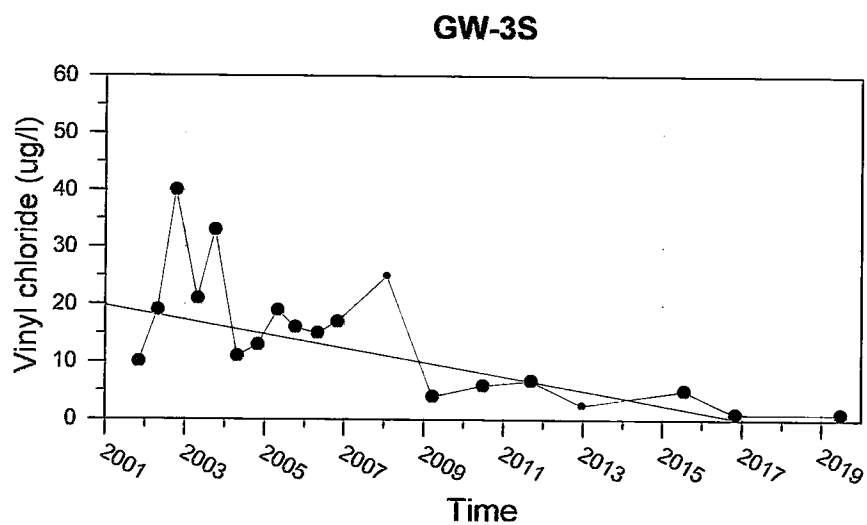
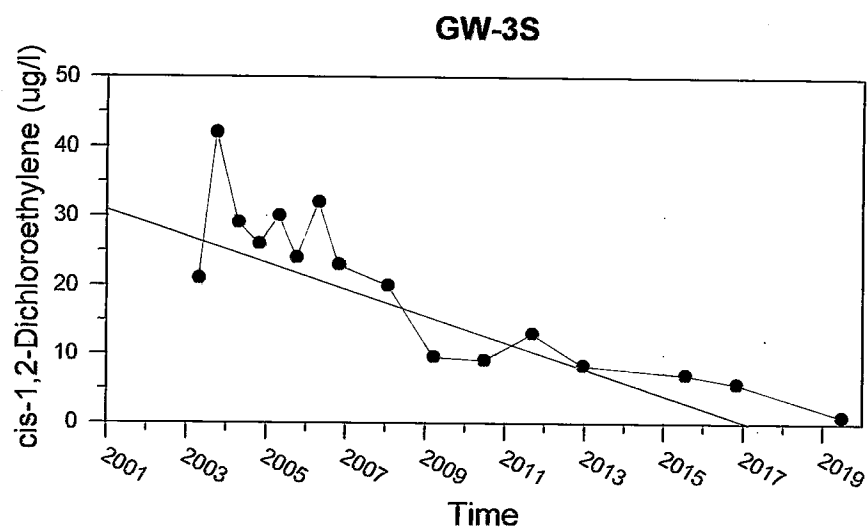
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



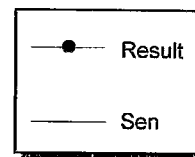
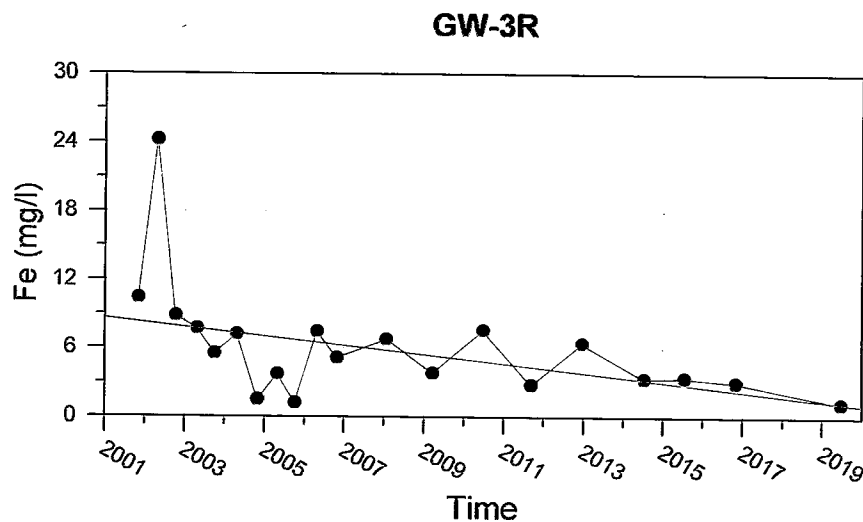
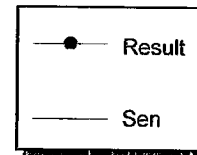
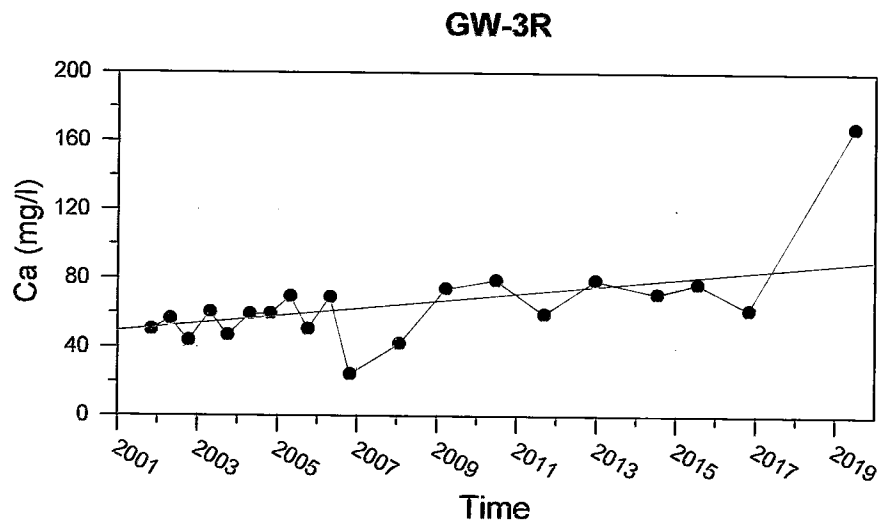
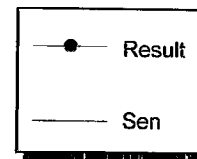
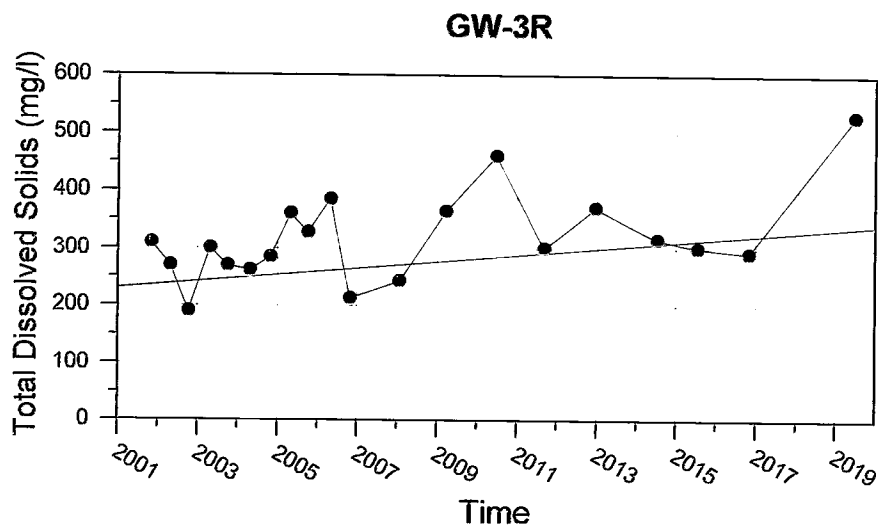
TITLE: Trend Analysis

SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

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DATE: 2001 - 2019



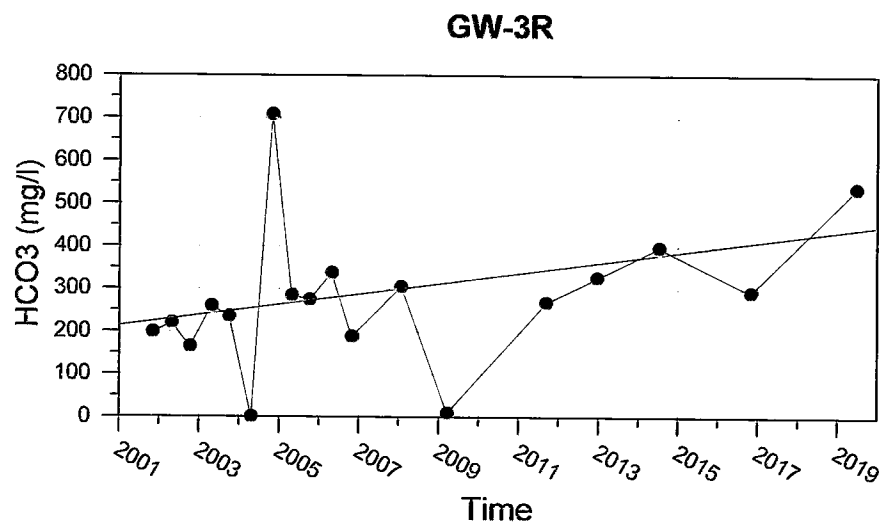
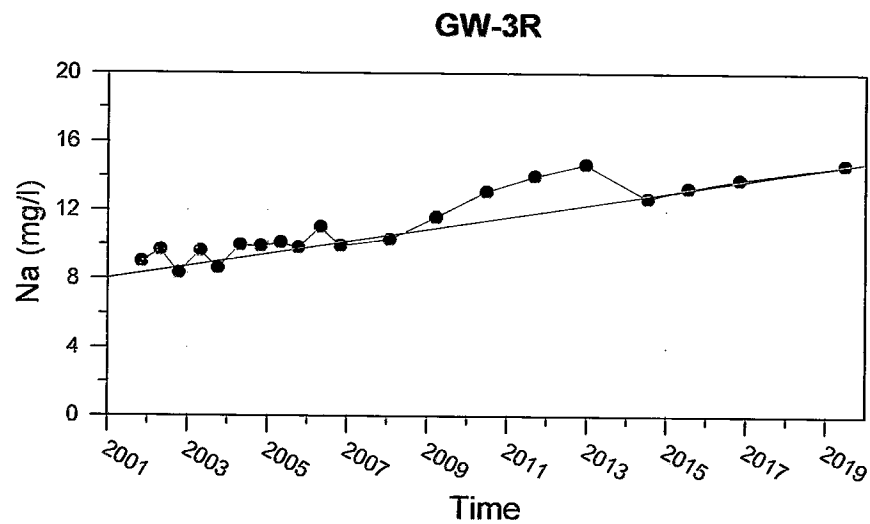
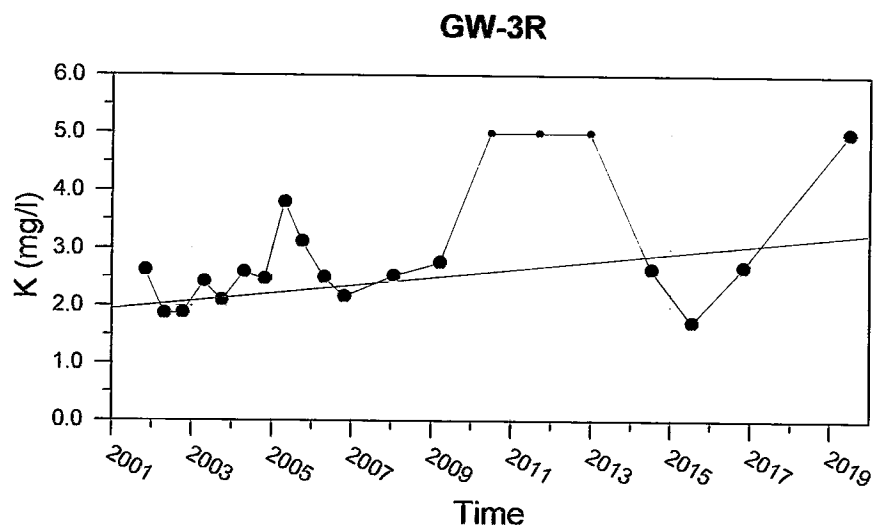
TITLE: Trend Analysis

SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



TITLE: Trend Analysis

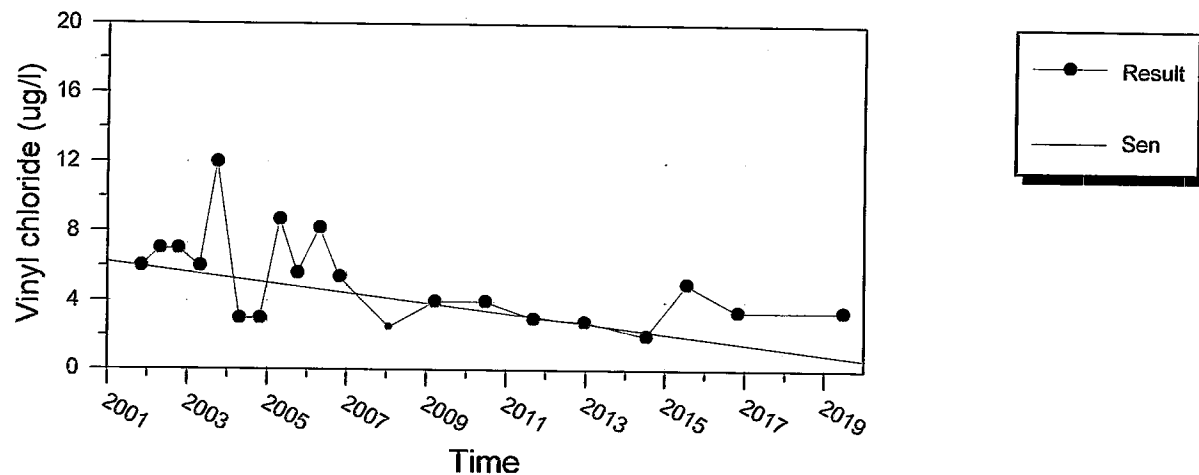
SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019

GW-3R



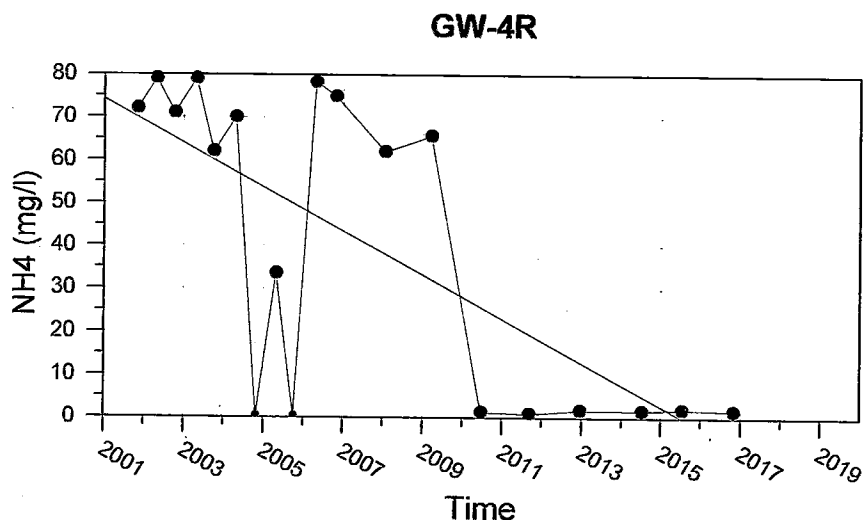
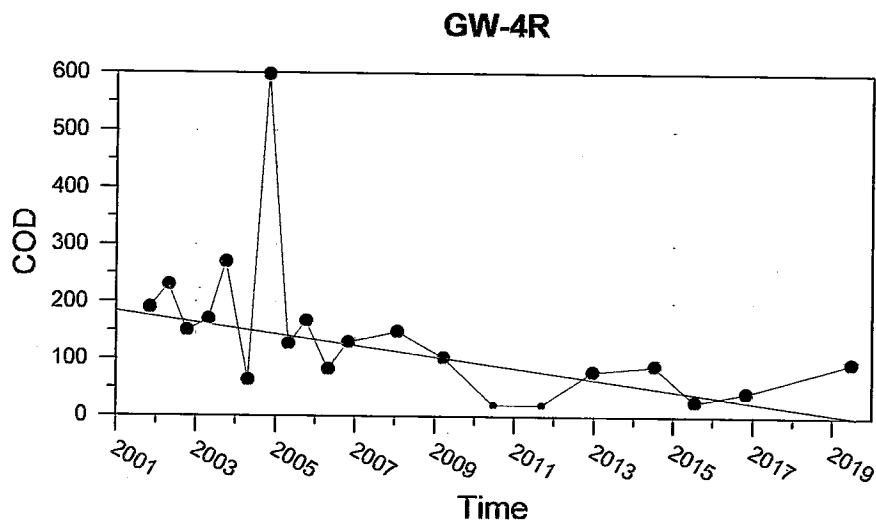
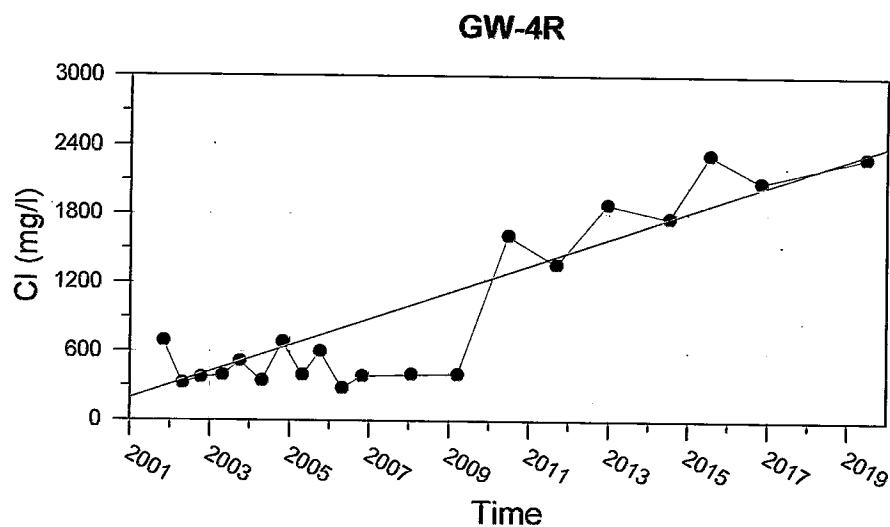
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



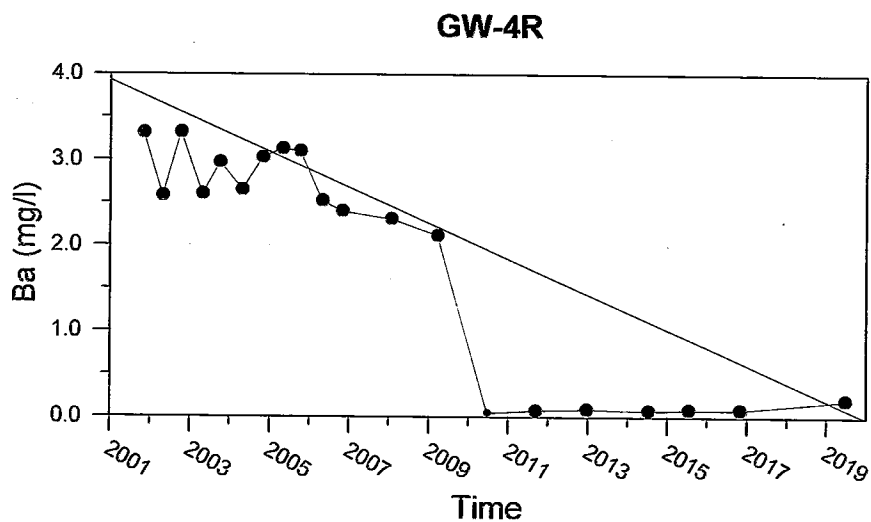
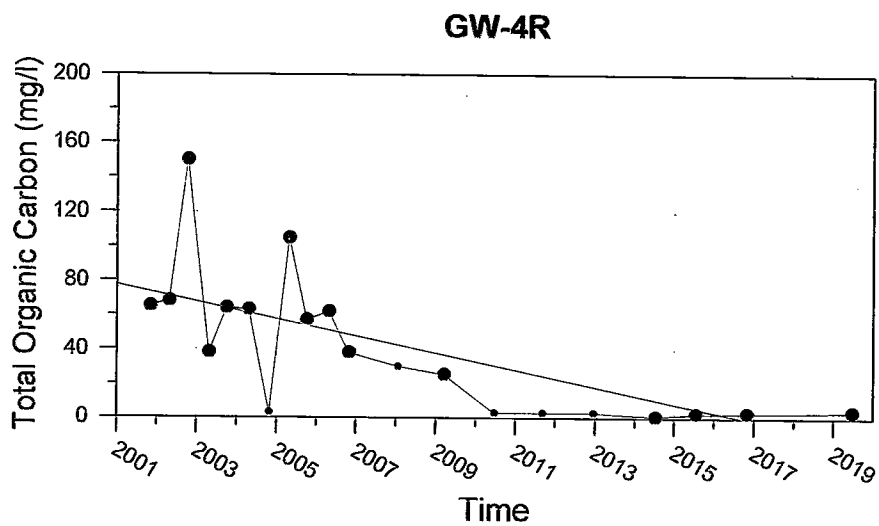
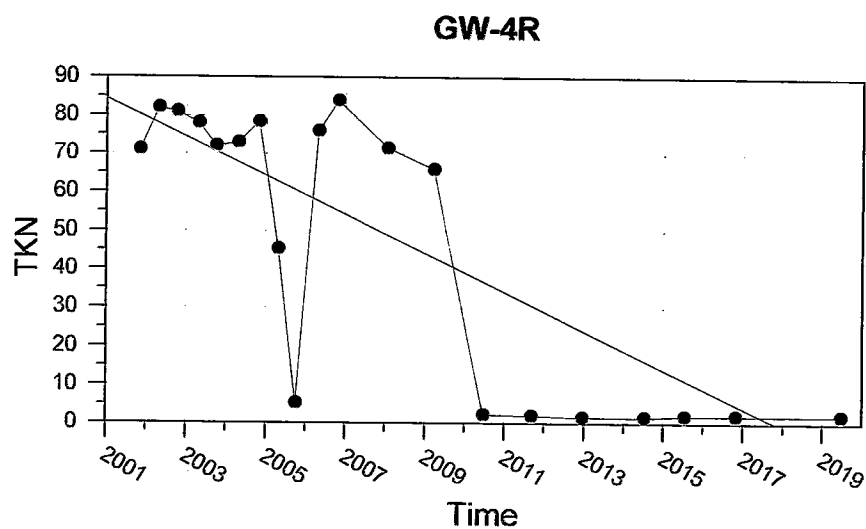
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



TITLE: Trend Analysis

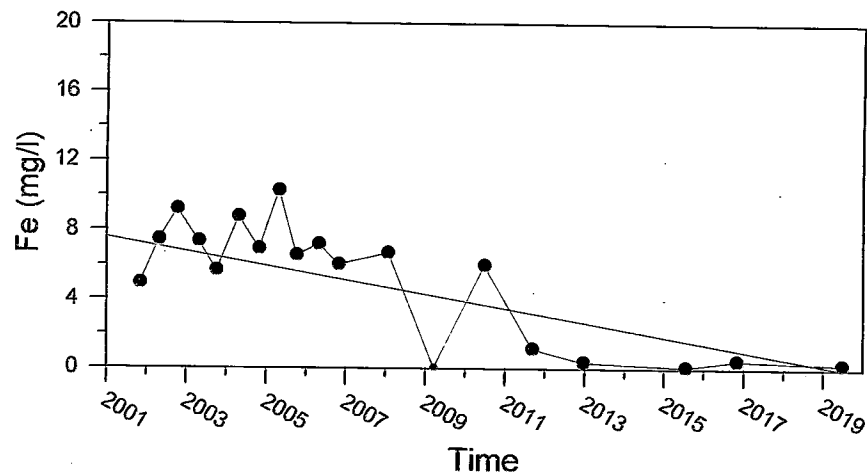
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EVENT: Environmental Monitoring

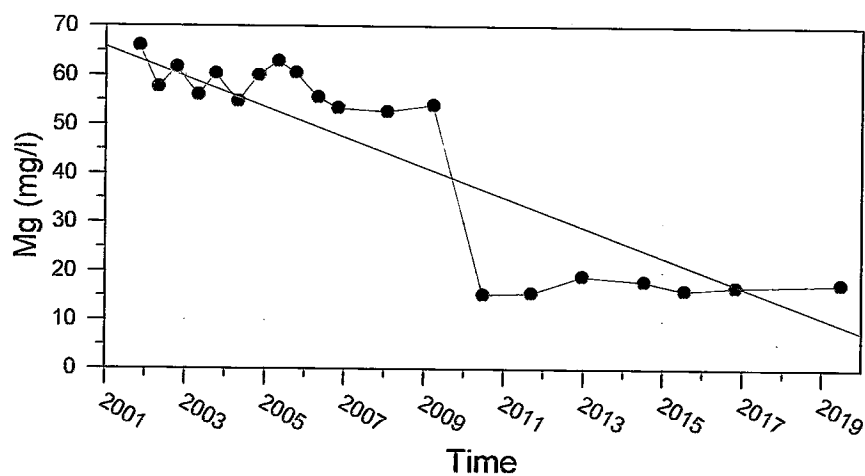
CLIENT: Village of Brockport

DATE: 2001 - 2019

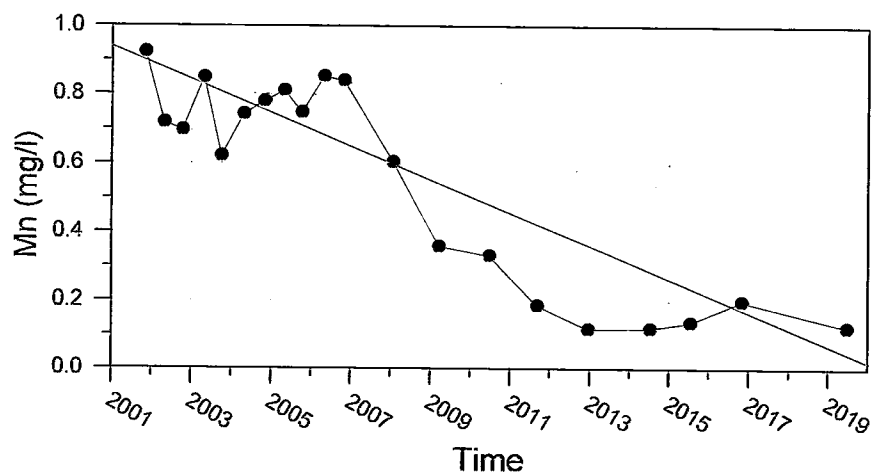
GW-4R



GW-4R



GW-4R



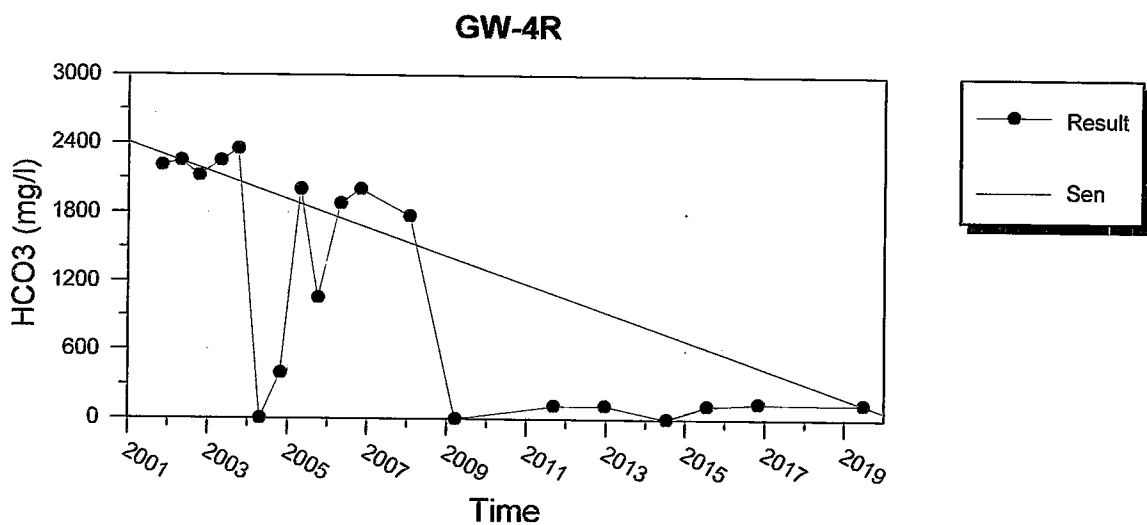
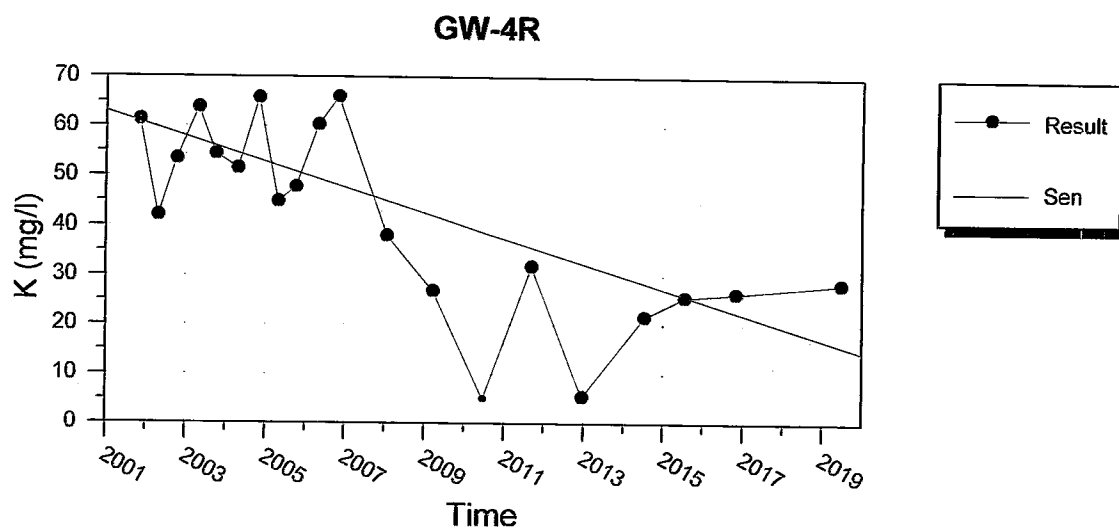
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



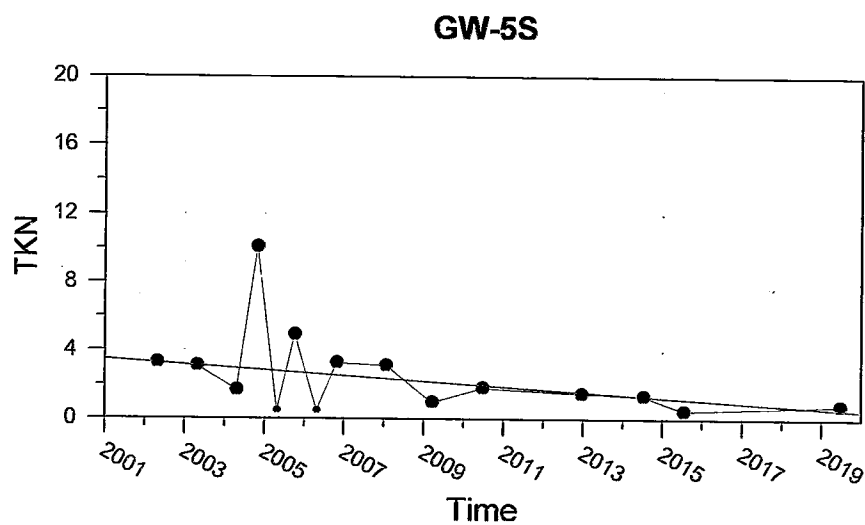
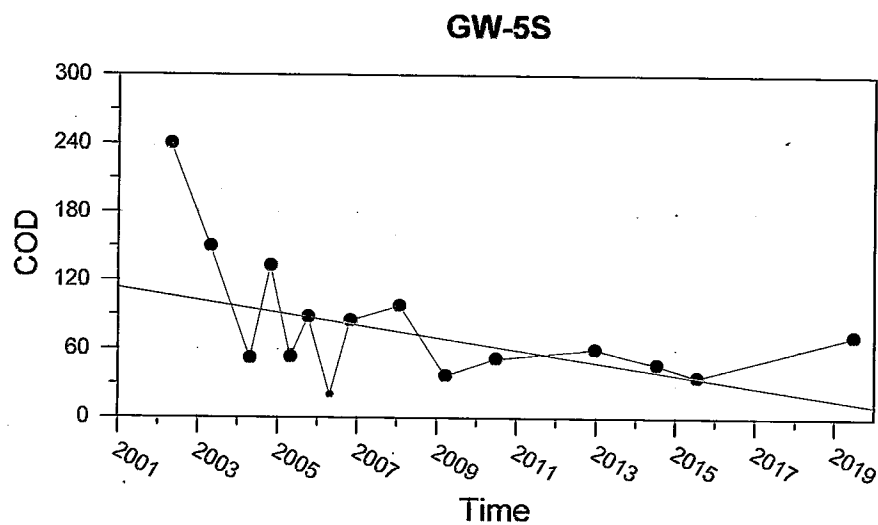
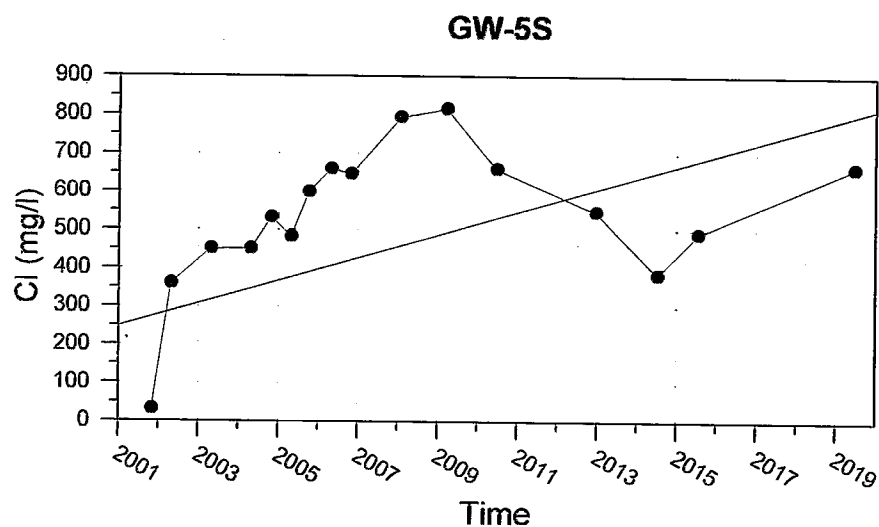
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



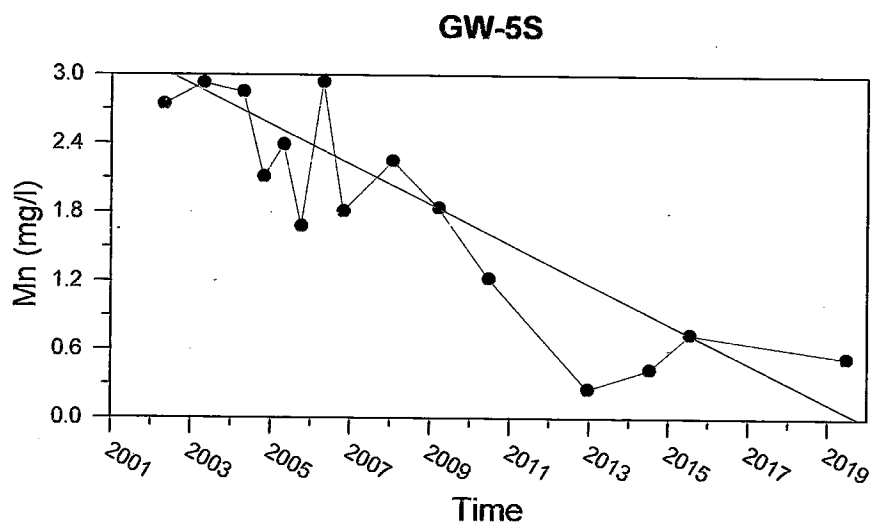
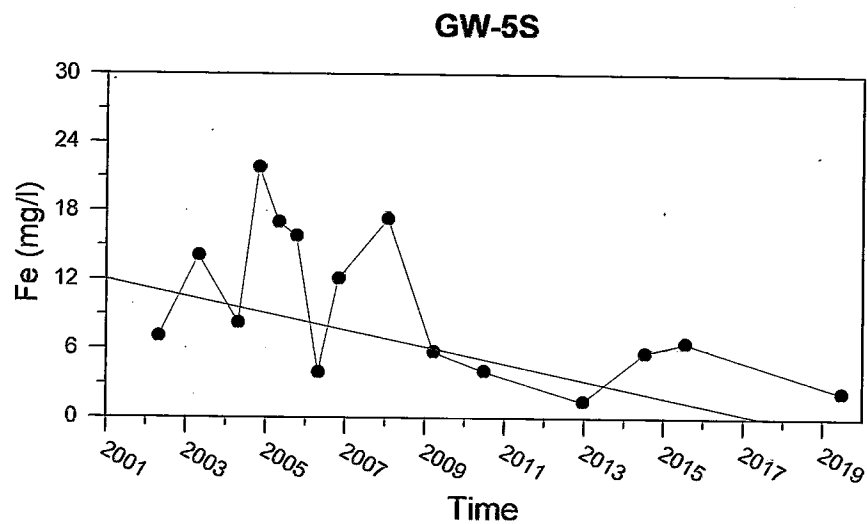
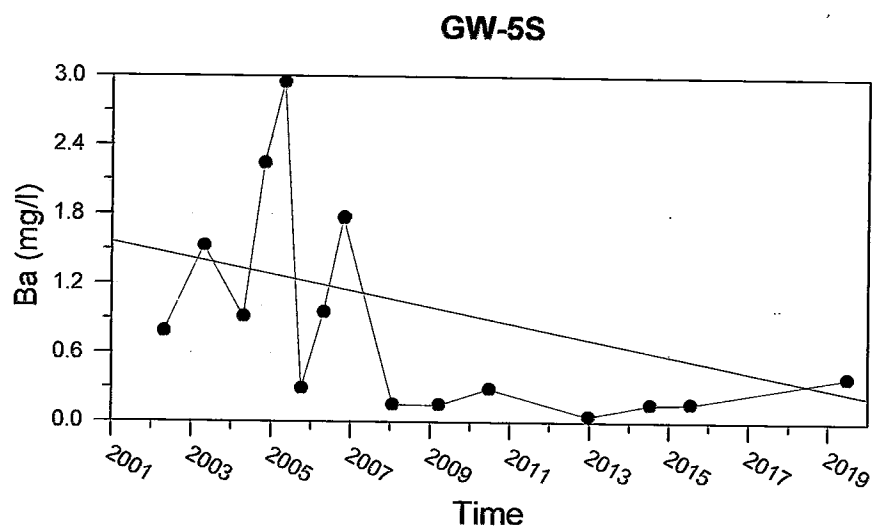
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



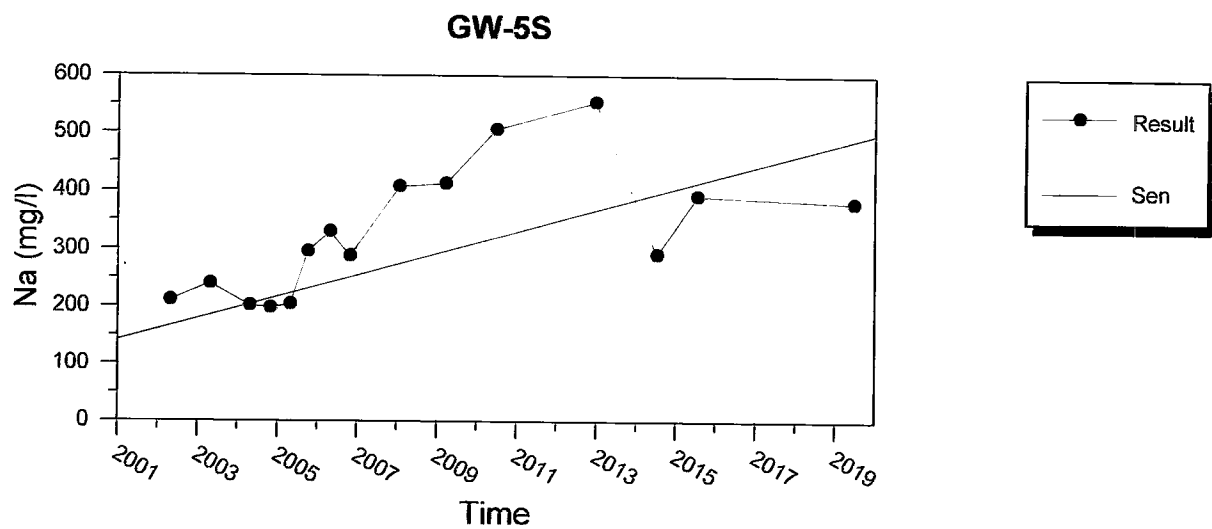
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

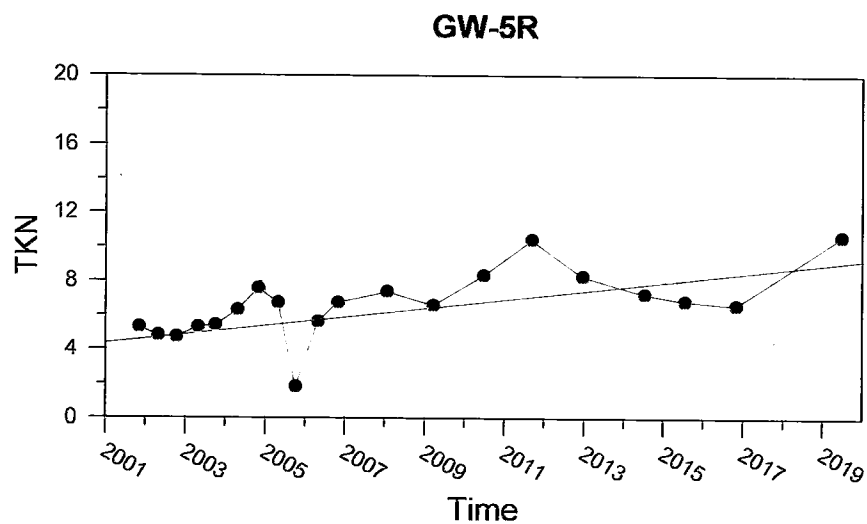
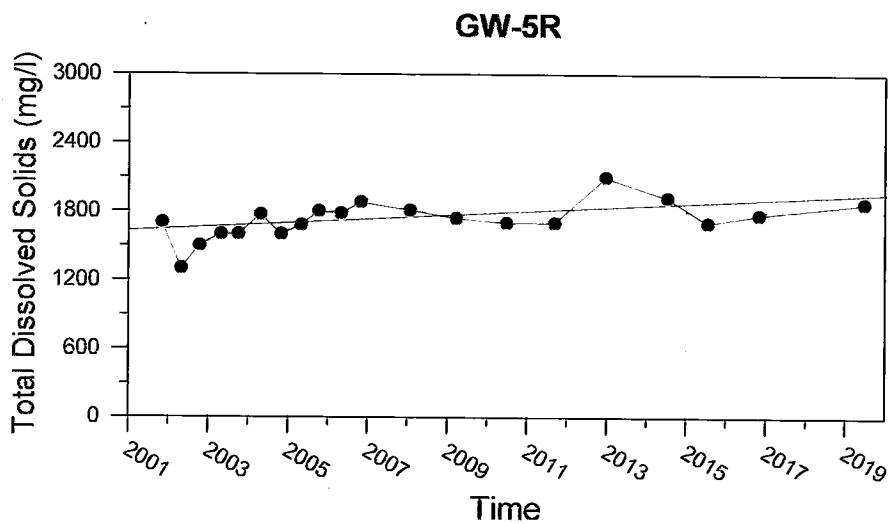
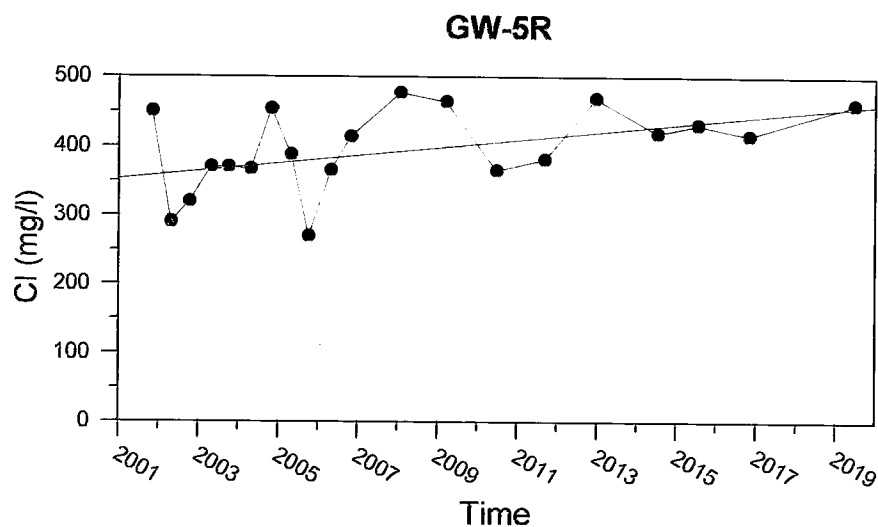
CLIENT: Village of Brockport

DATE: 2001 - 2019



TITLE: Trend Analysis

	SITE: Village of Brockport Landfill	EVENT: Environmental Monitoring
	CLIENT: Village of Brockport	DATE: 2001 - 2019



TITLE: Trend Analysis

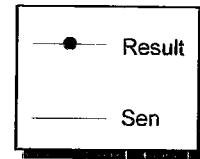
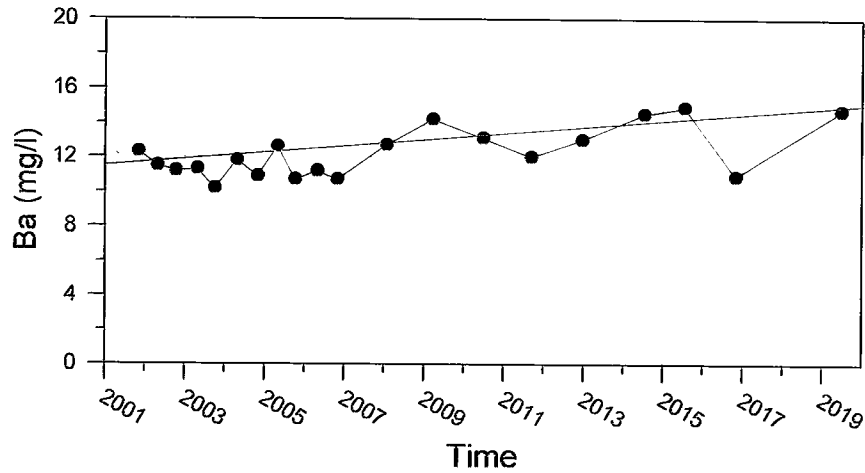
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EVENT: Environmental Monitoring

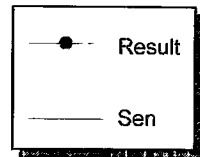
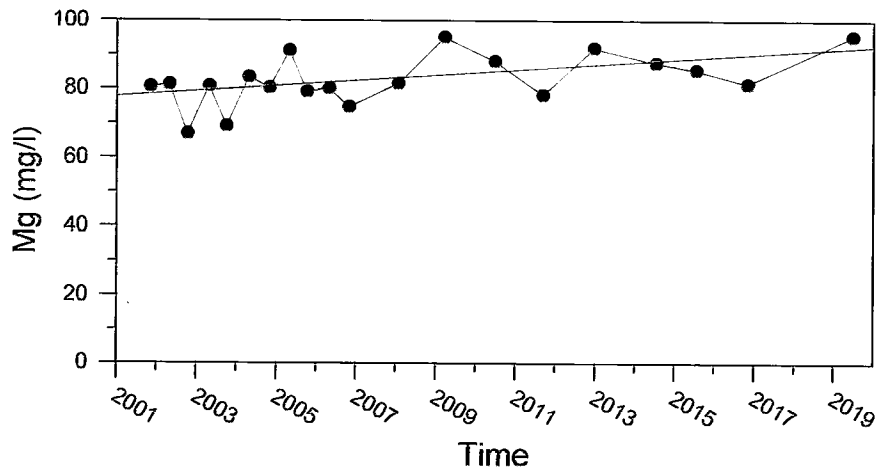
CLIENT: Village of Brockport

DATE: 2001 - 2019

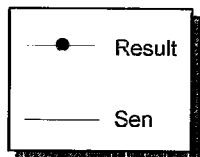
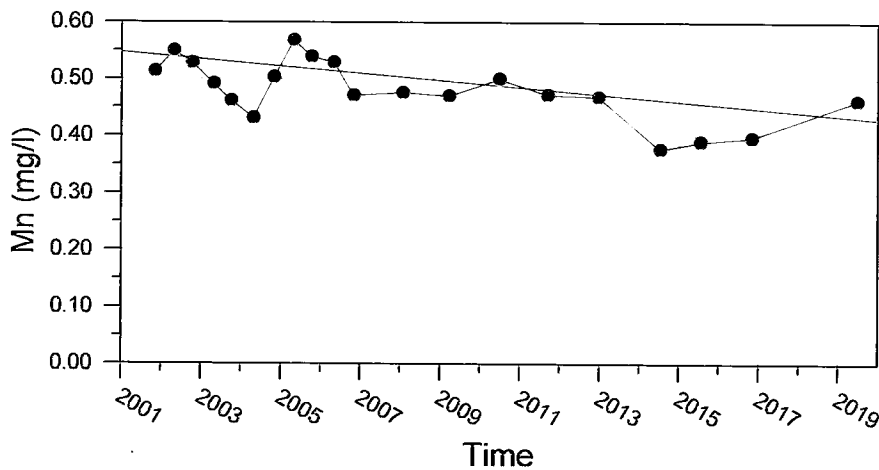
GW-5R



GW-5R



GW-5R



TITLE: Trend Analysis

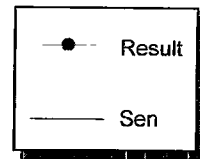
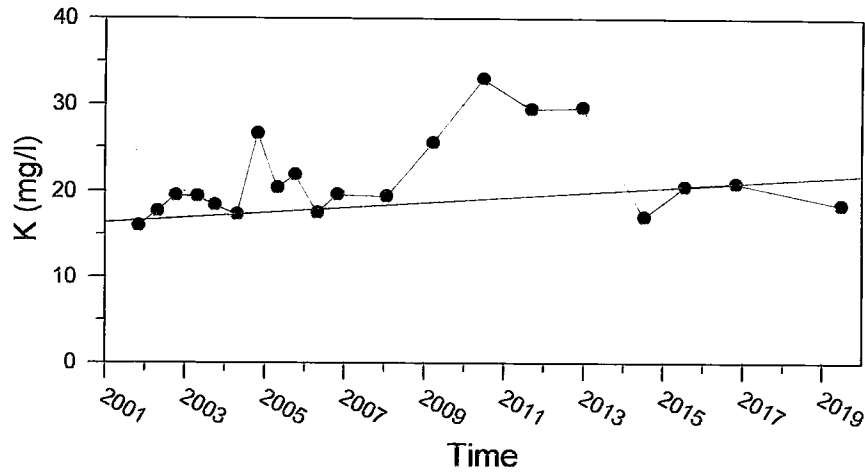
SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

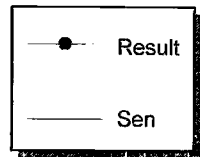
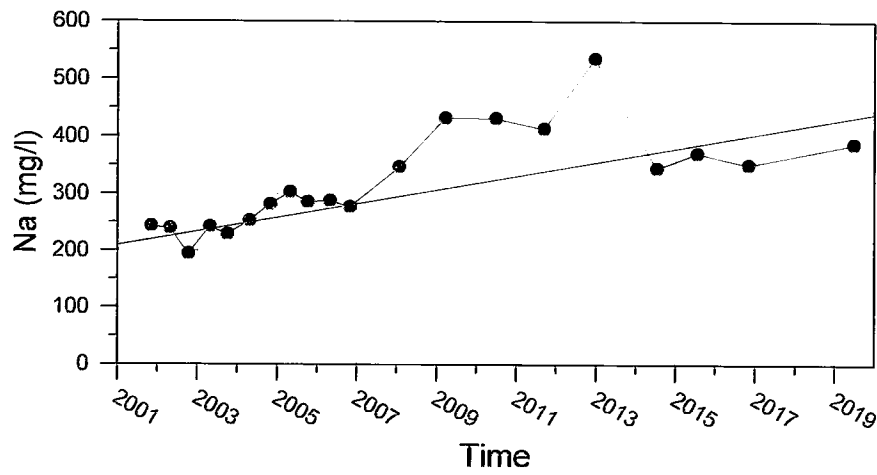
CLIENT: Village of Brockport

DATE: 2001 - 2019

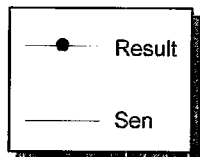
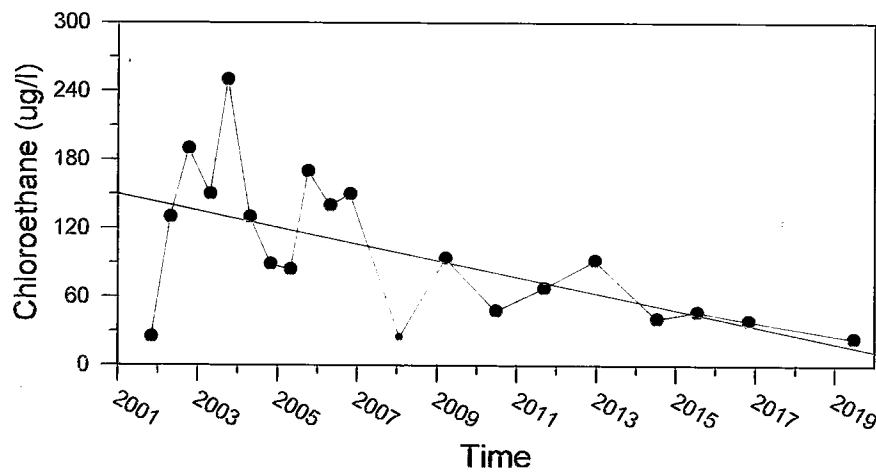
GW-5R



GW-5R



GW-5R



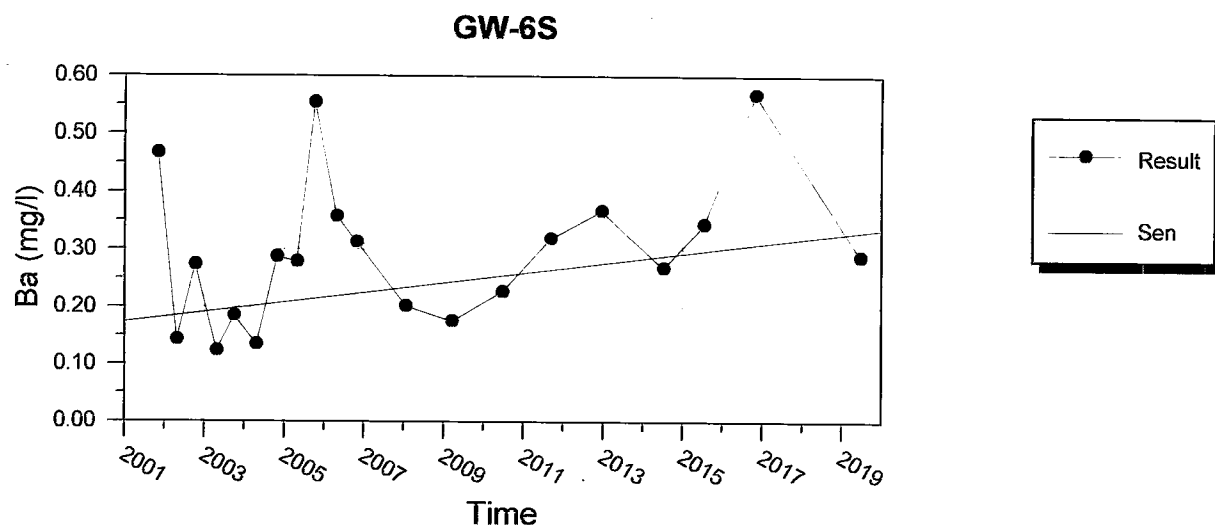
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



TITLE: Trend Analysis

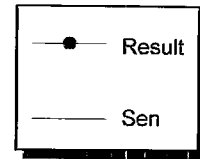
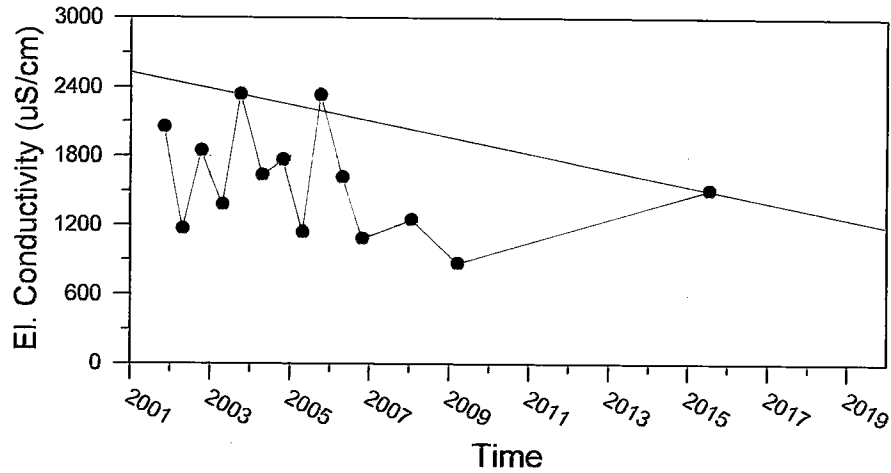
SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

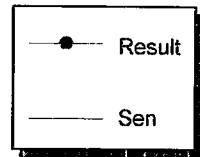
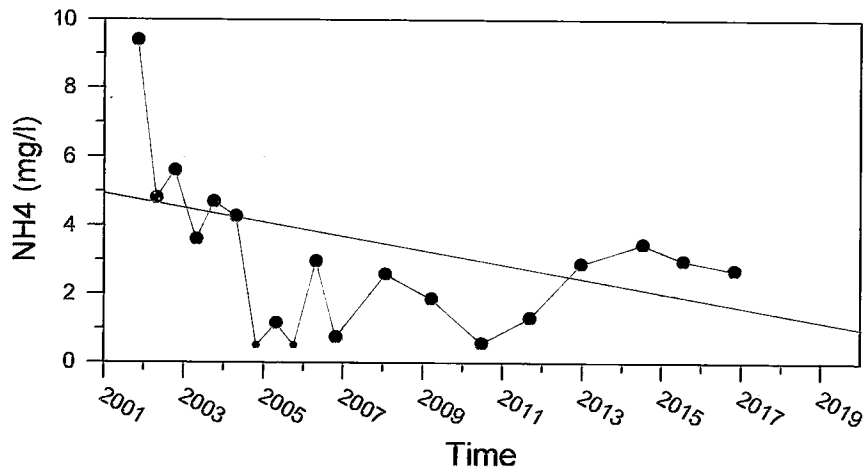
CLIENT: Village of Brockport

DATE: 2001 - 2019

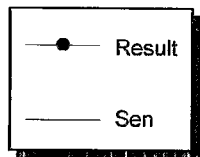
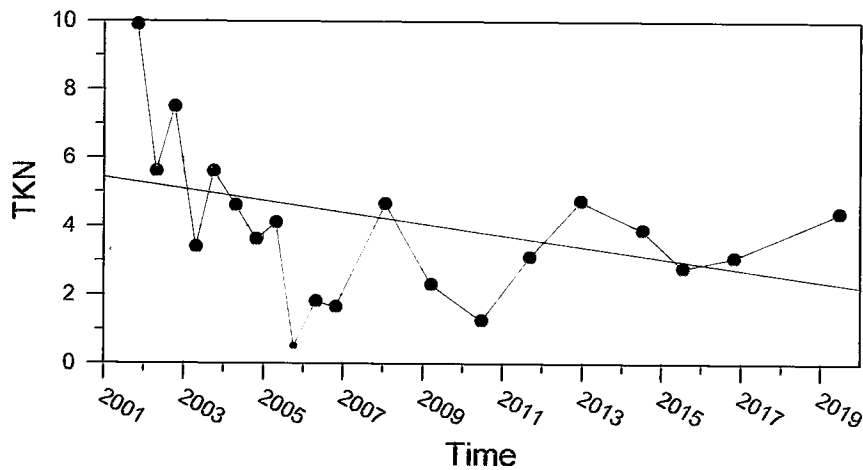
GW-6R



GW-6R



GW-6R



TITLE: Trend Analysis

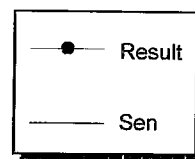
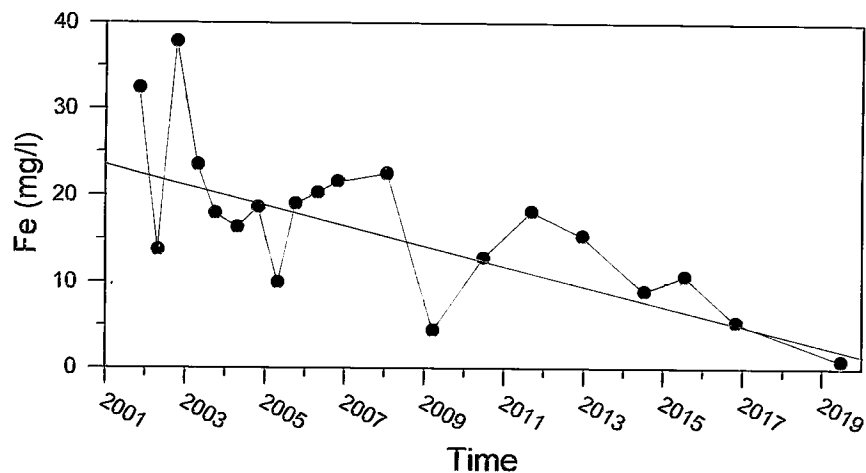
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EVENT: Environmental Monitoring

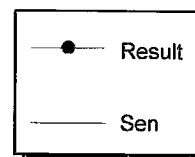
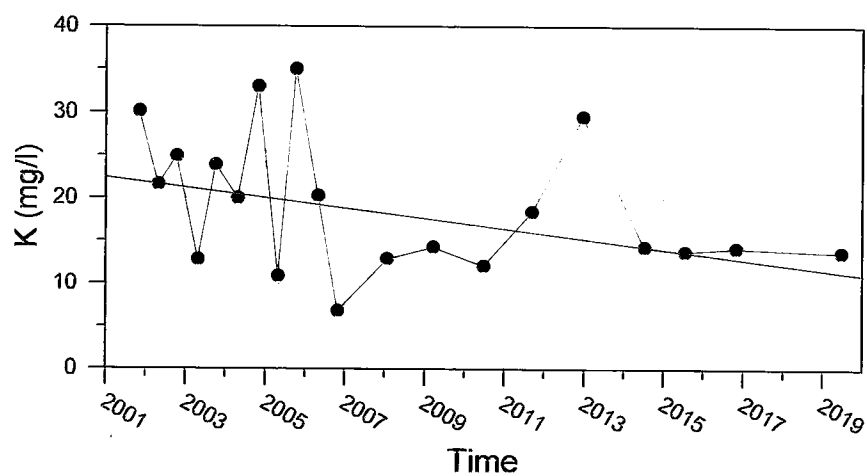
CLIENT: Village of Brockport

DATE: 2001 - 2019

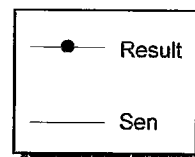
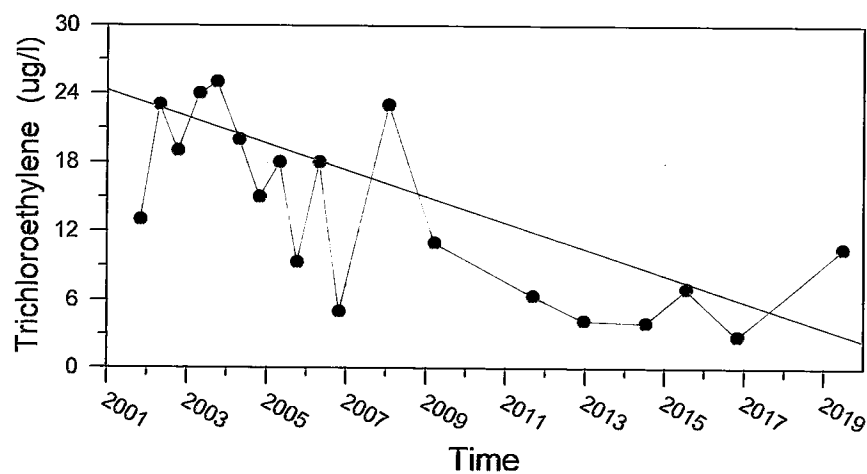
GW-6R



GW-6R



GW-6R



TITLE: Trend Analysis

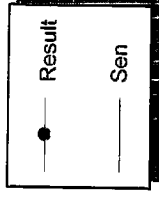
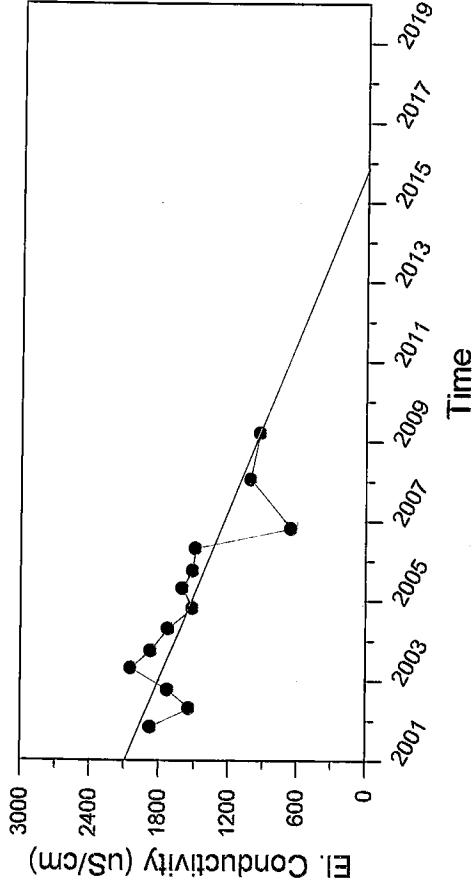
SITE: Village of Brockport Landfill

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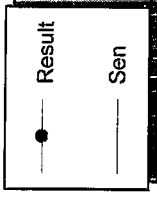
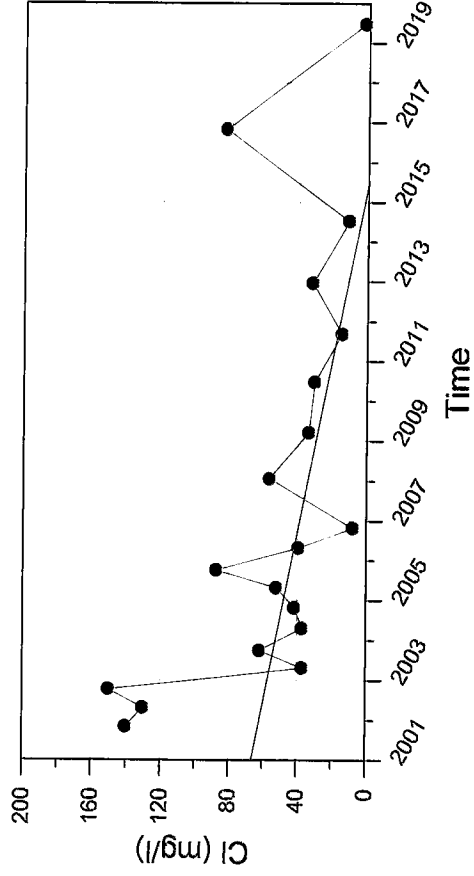
CLIENT: Village of Brockport

DATE: 2001 - 2019

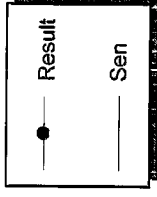
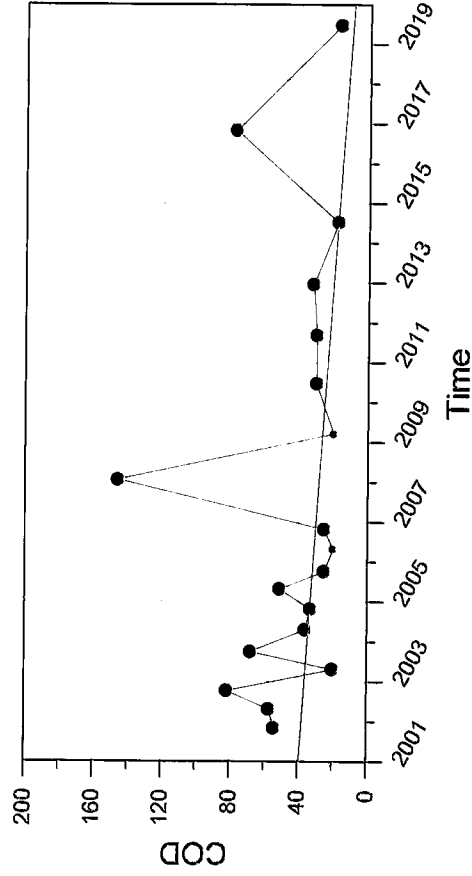
GW-7S



GW-7S



GW-7S



TITLE:

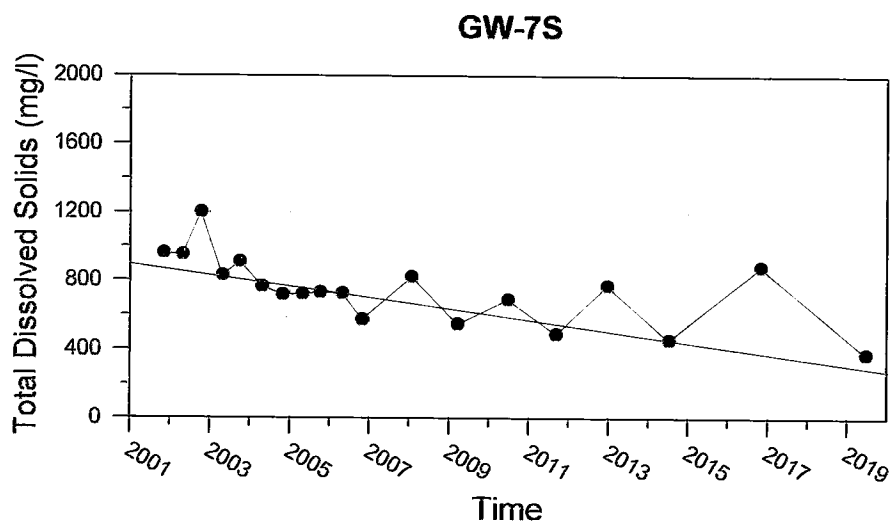
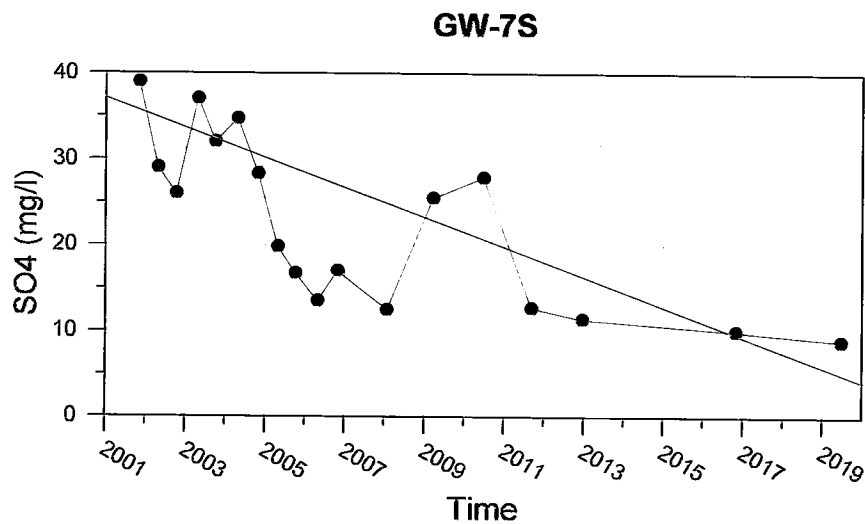
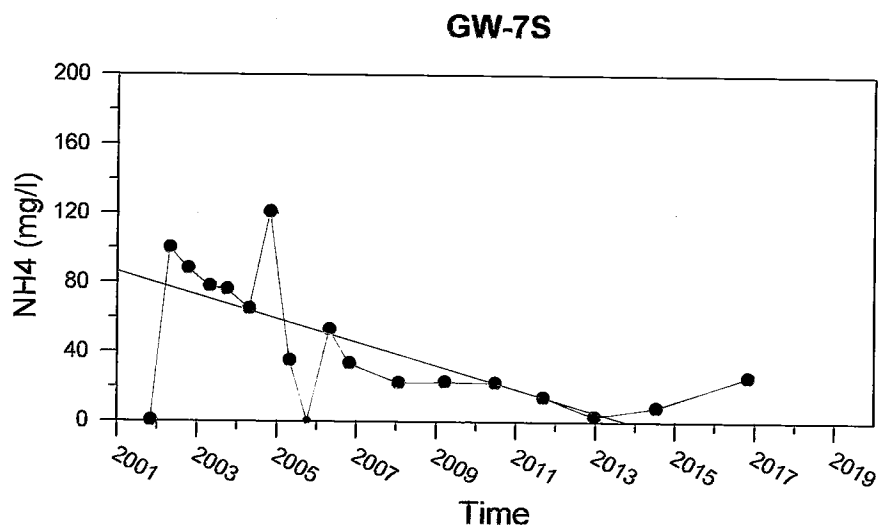
Trend Analysis

SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



TITLE: Trend Analysis

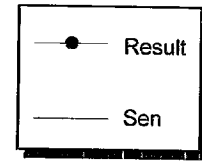
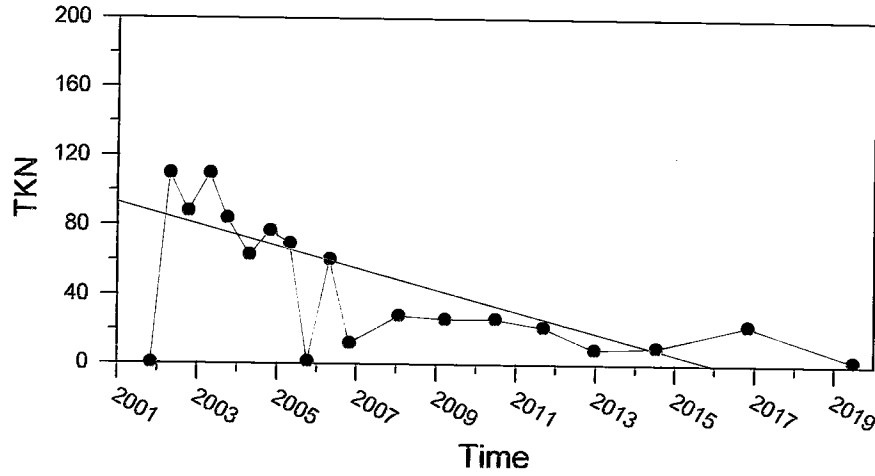
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EVENT: Environmental Monitoring

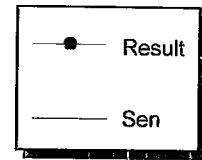
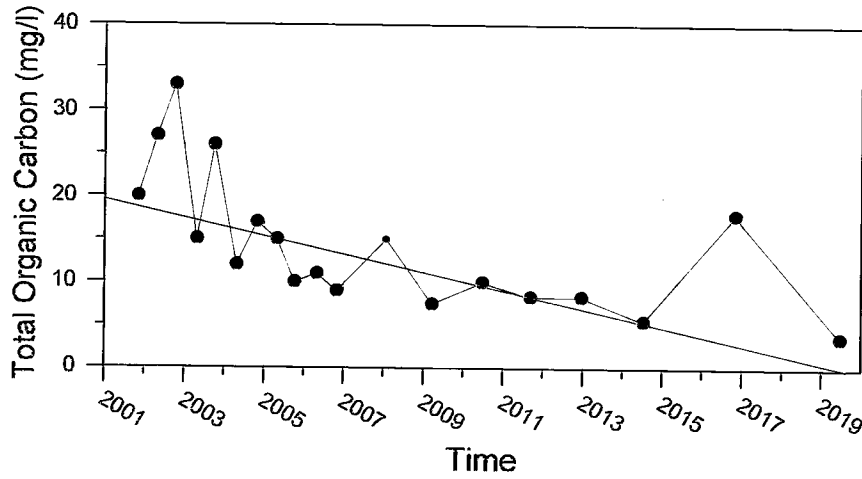
CLIENT: Village of Brockport

DATE: 2001 - 2019

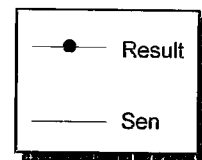
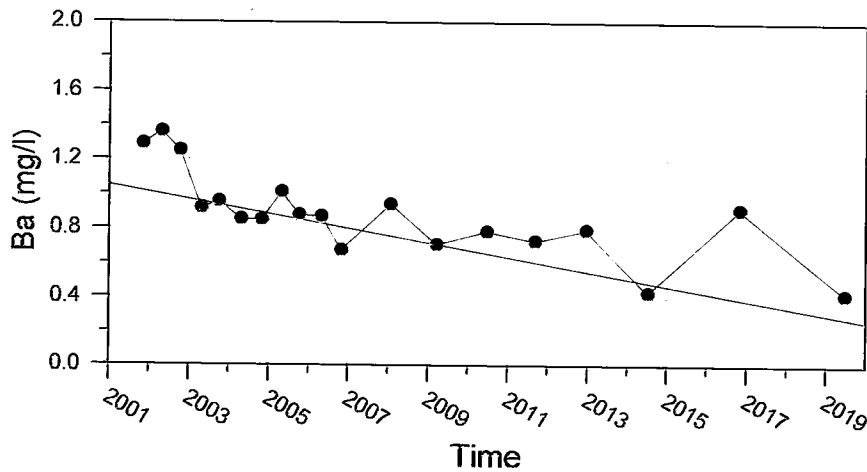
GW-7S



GW-7S



GW-7S



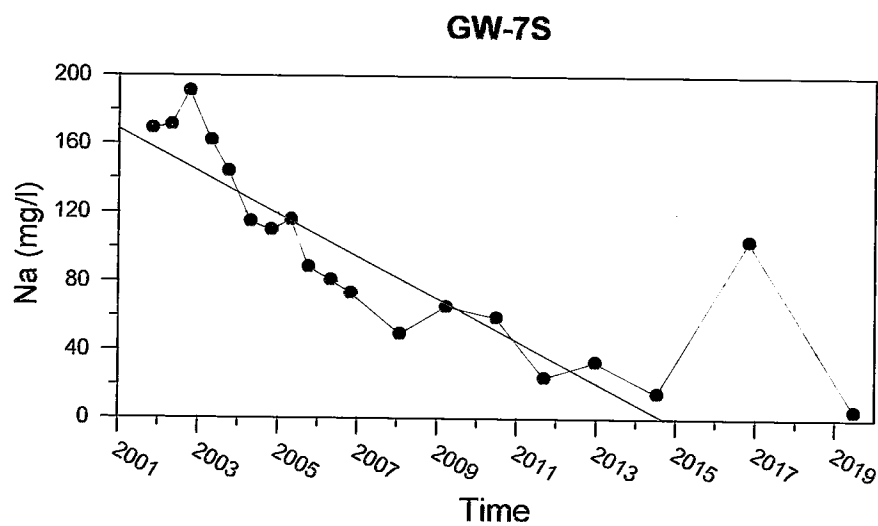
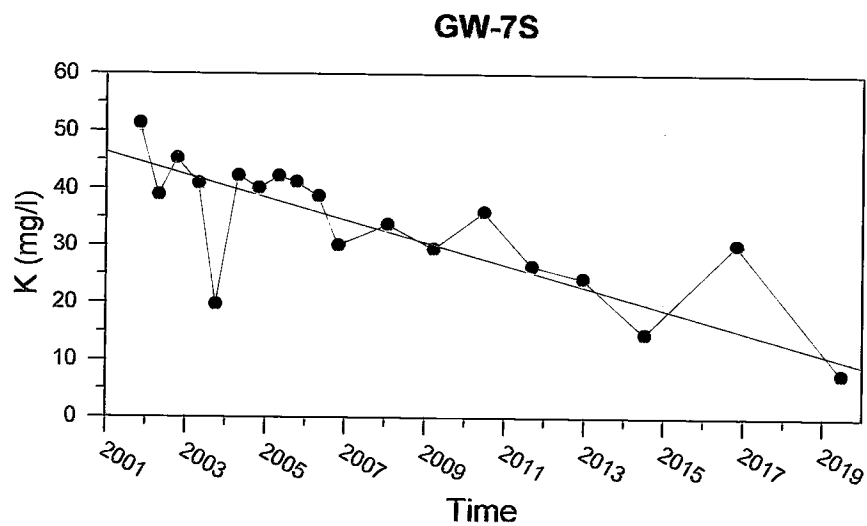
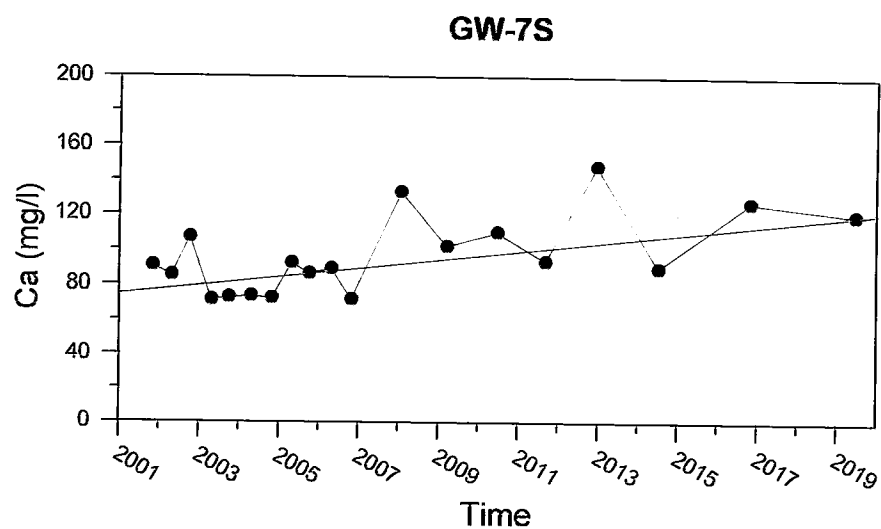
TITLE: Trend Analysis

SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



TITLE: Trend Analysis

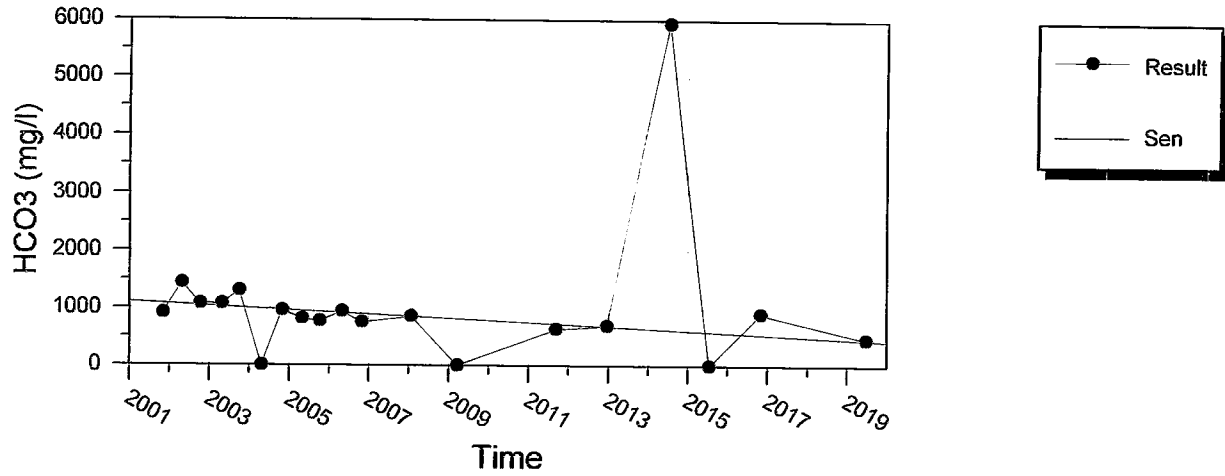
SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019

GW-7S



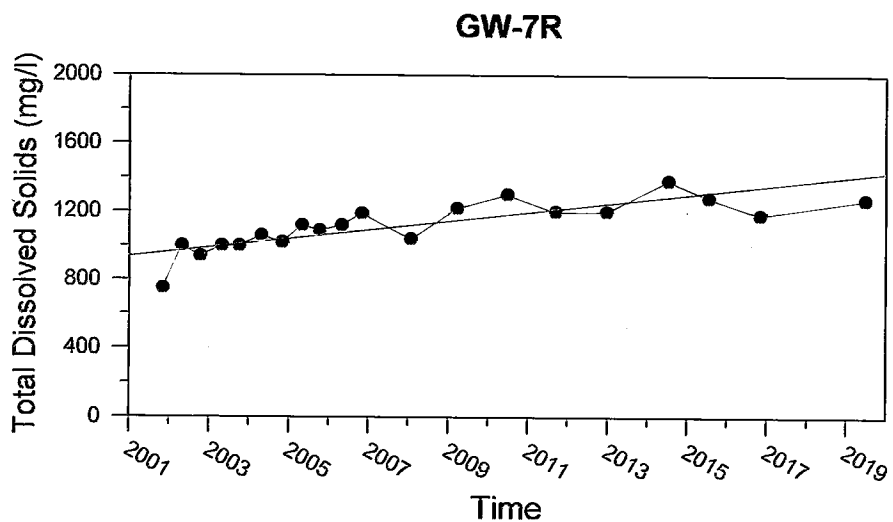
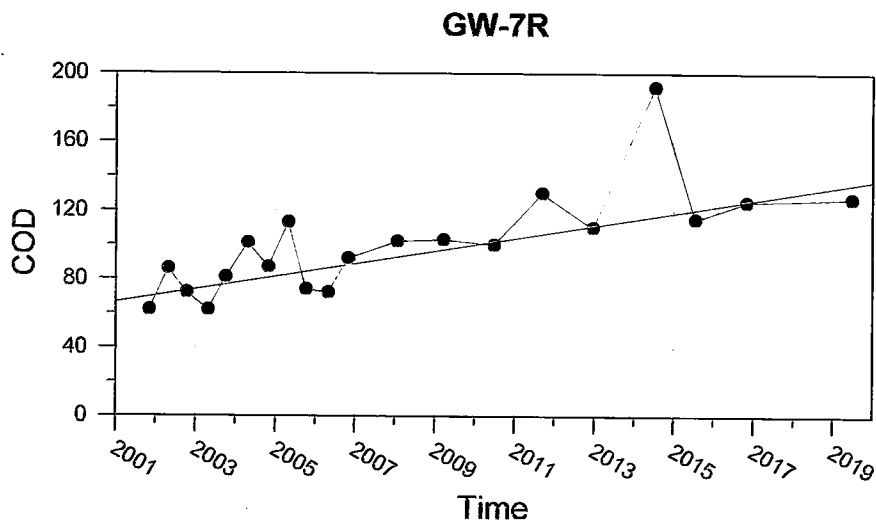
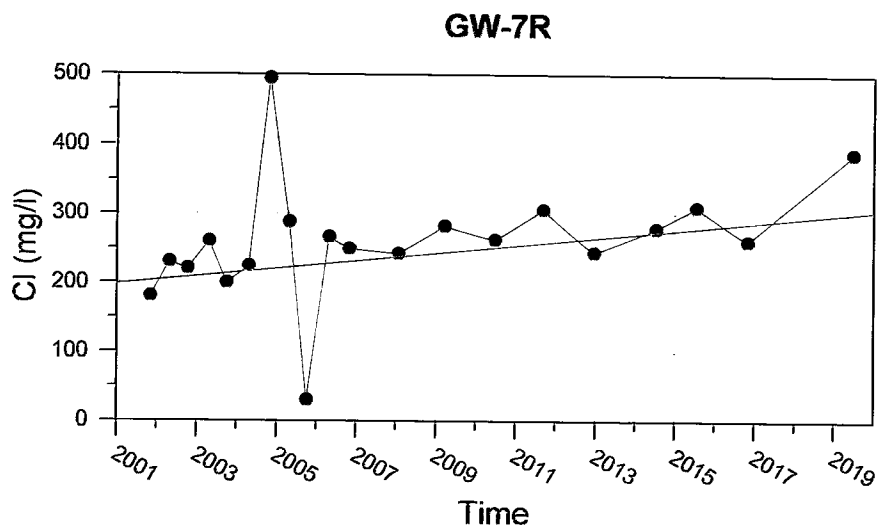
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



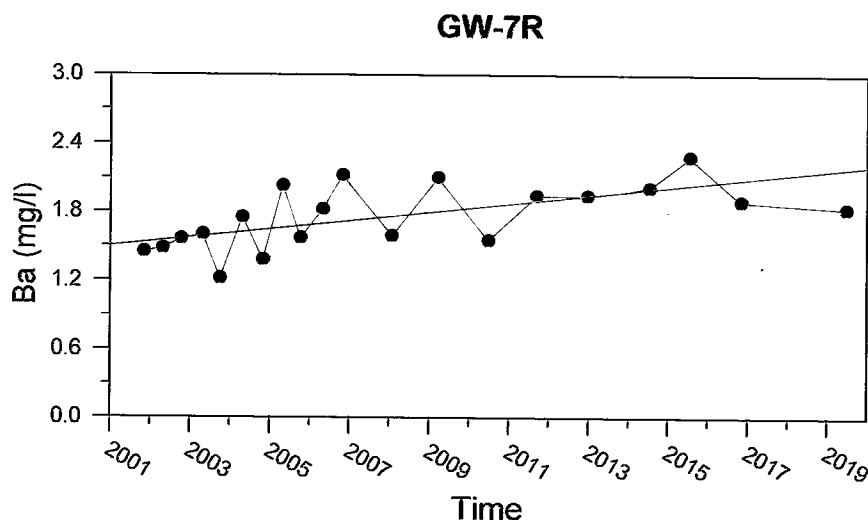
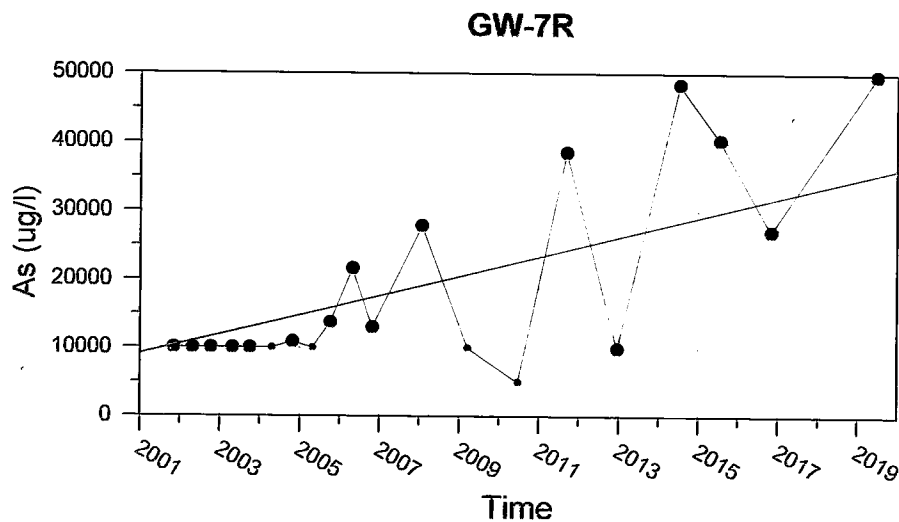
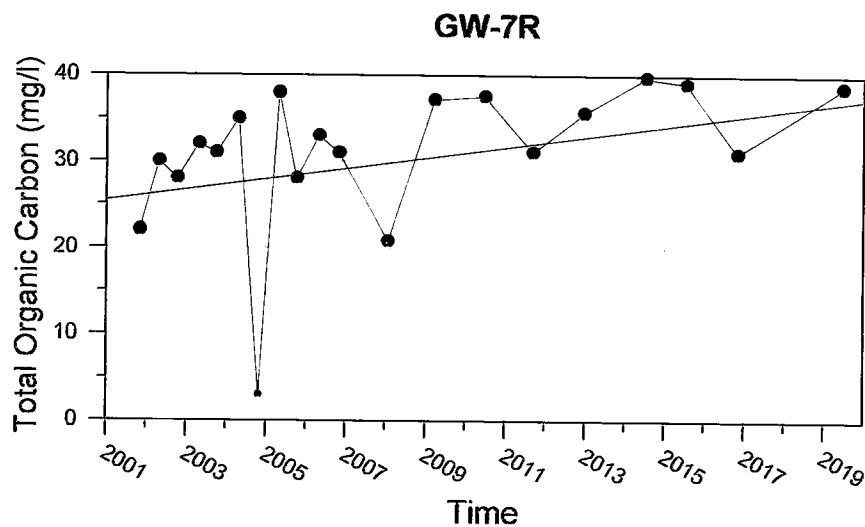
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

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TITLE: Trend Analysis

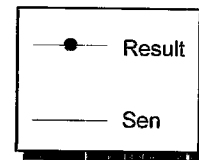
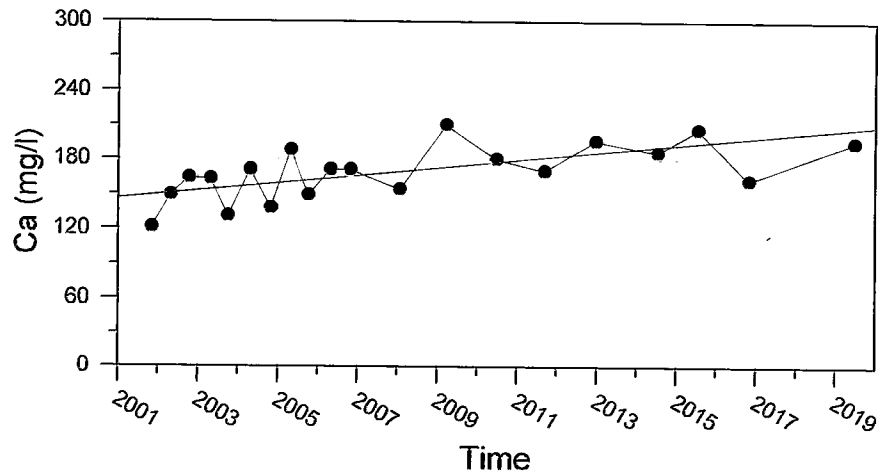
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EVENT: Environmental Monitoring

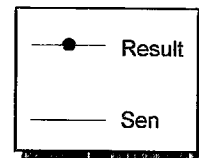
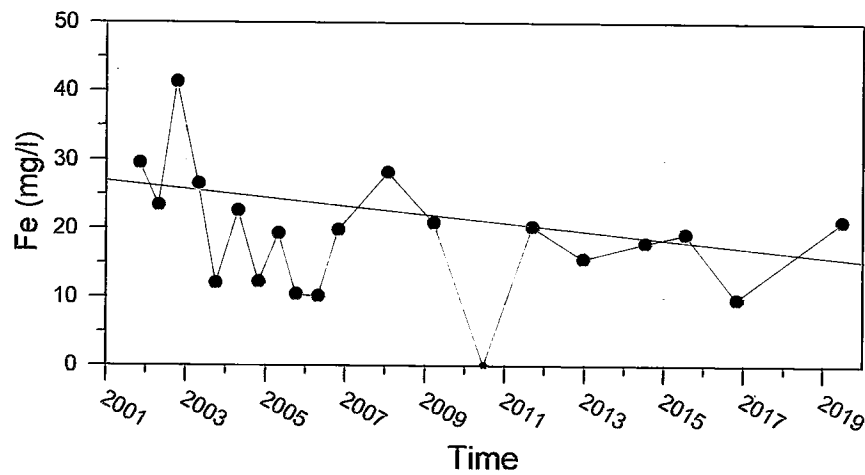
CLIENT: Village of Brockport

DATE: 2001 - 2019

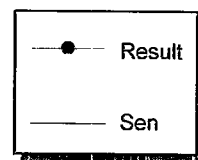
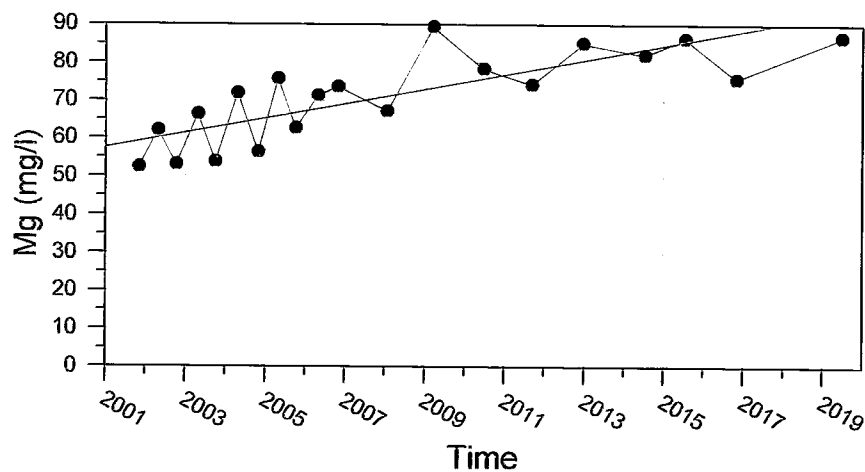
GW-7R



GW-7R



GW-7R



TITLE: Trend Analysis

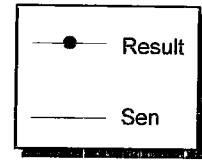
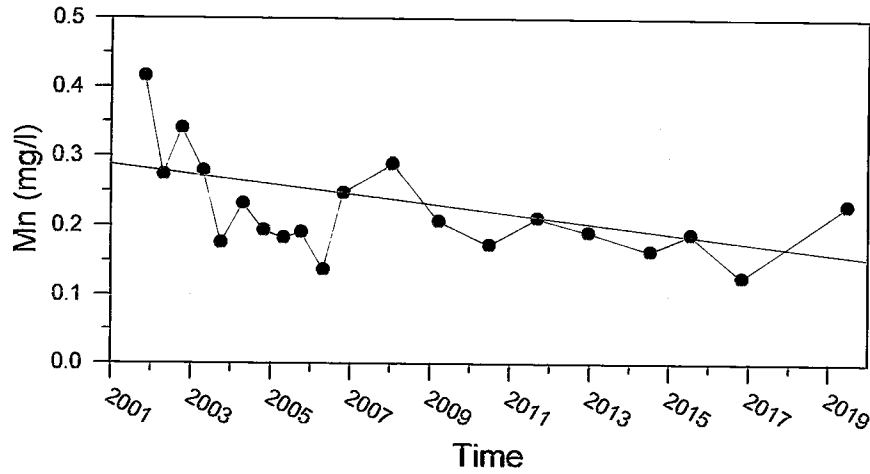
SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

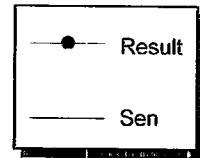
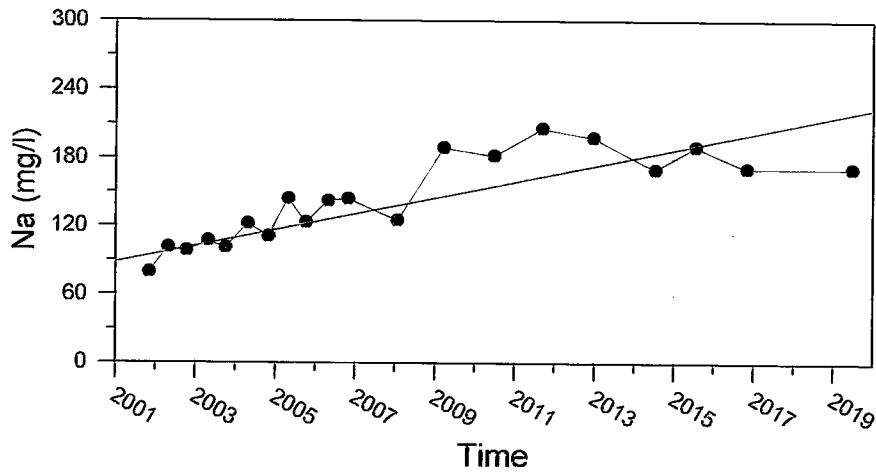
CLIENT: Village of Brockport

DATE: 2001 - 2019

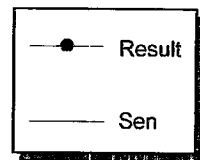
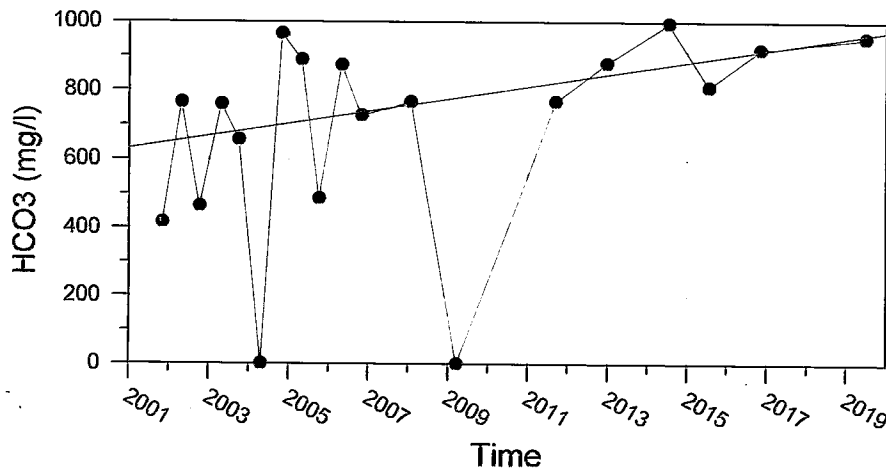
GW-7R



GW-7R



GW-7R



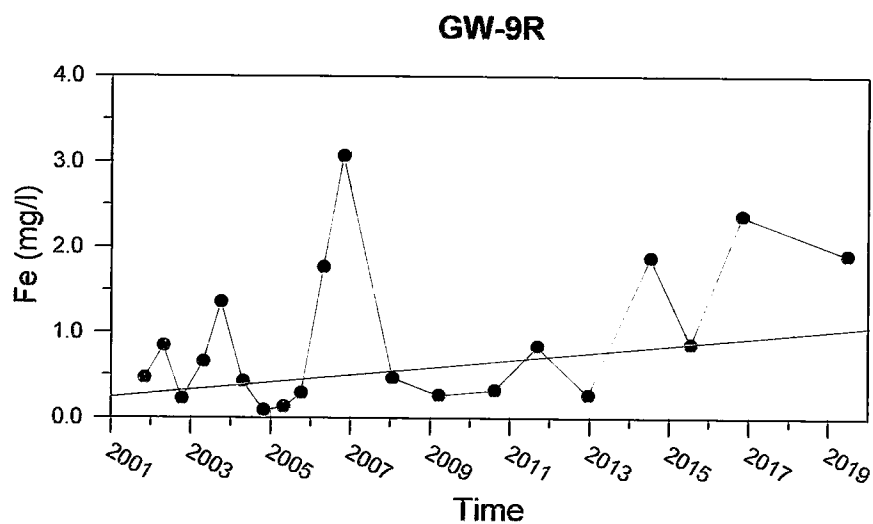
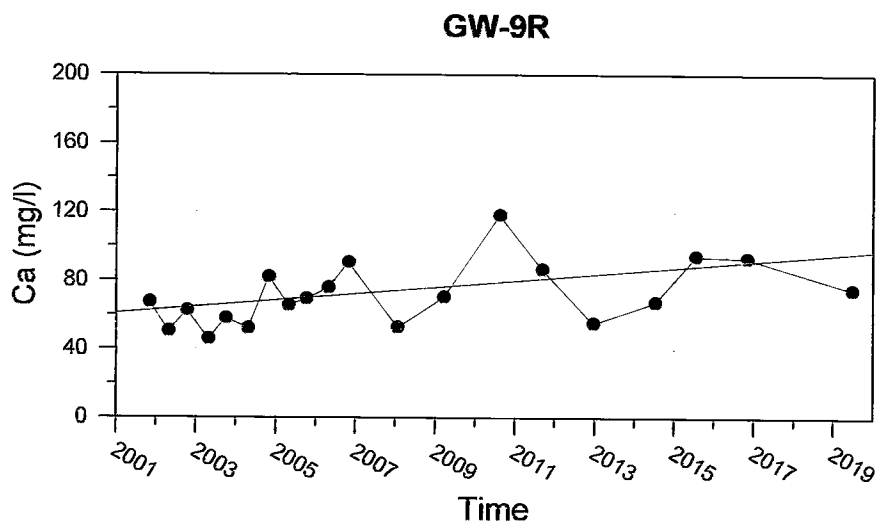
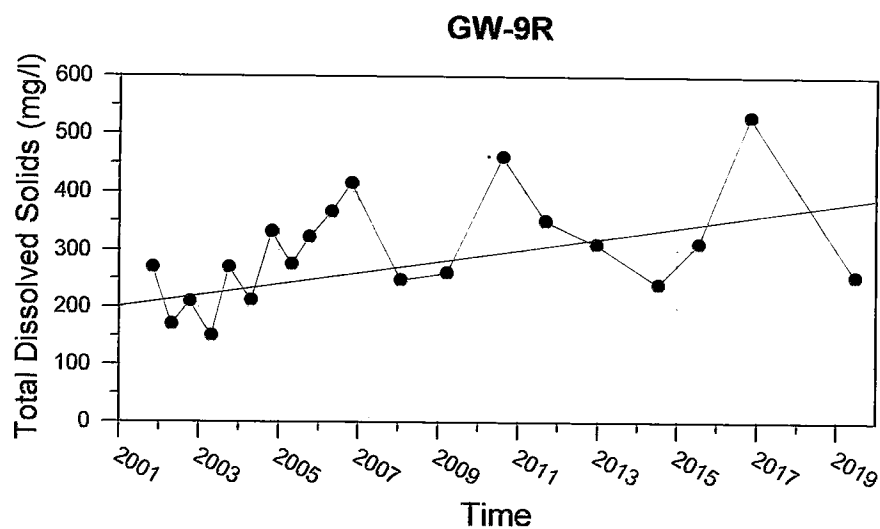
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SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019



TITLE: Trend Analysis

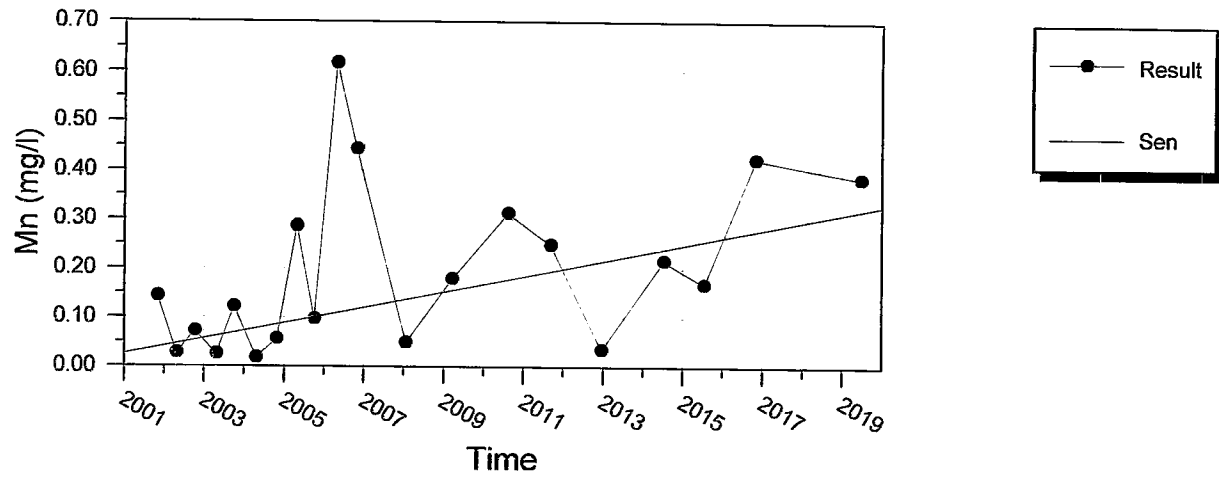
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EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019

GW-9R



TITLE: Trend Analysis

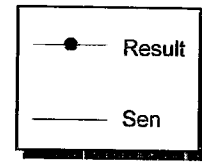
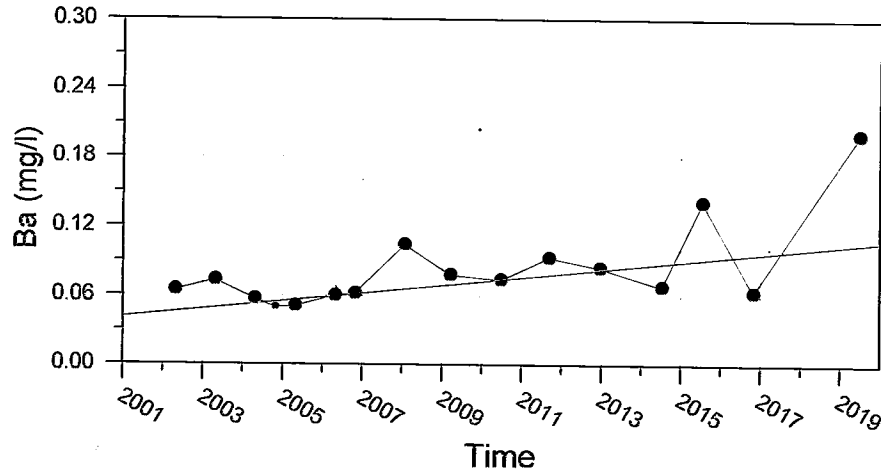
SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

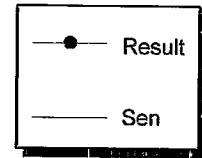
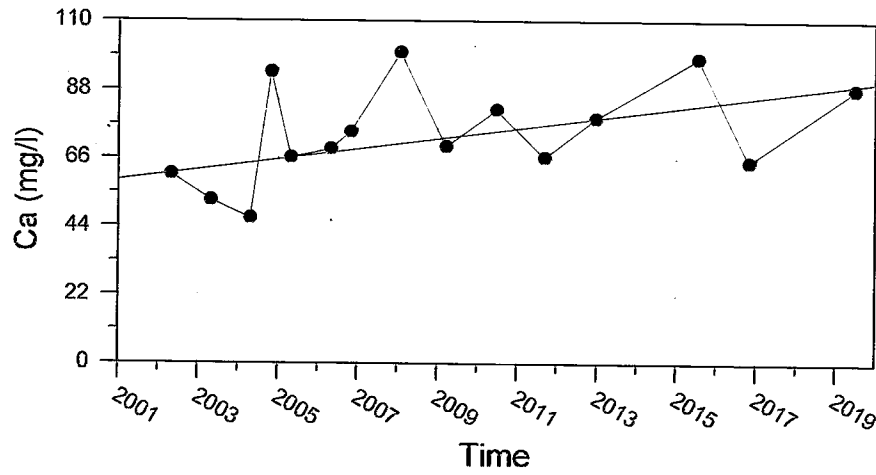
CLIENT: Village of Brockport

DATE: 2001 - 2019

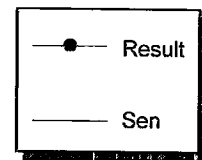
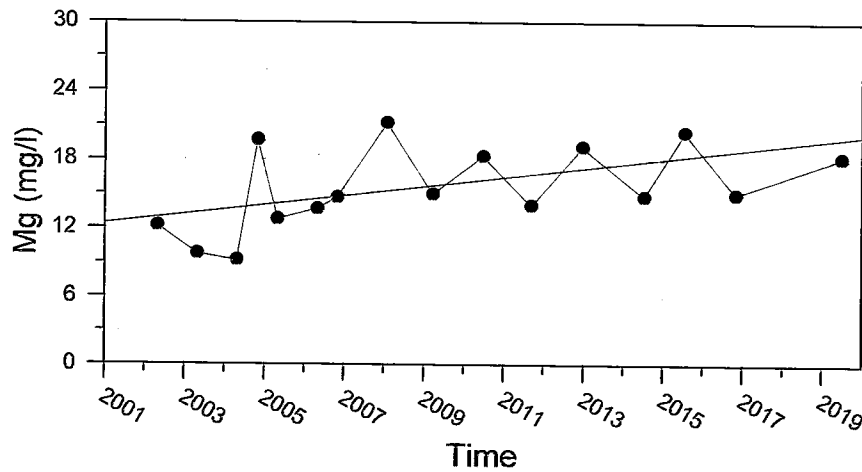
SW-1



SW-1



SW-1



TITLE: Trend Analysis

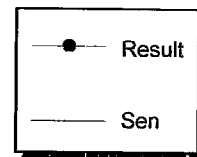
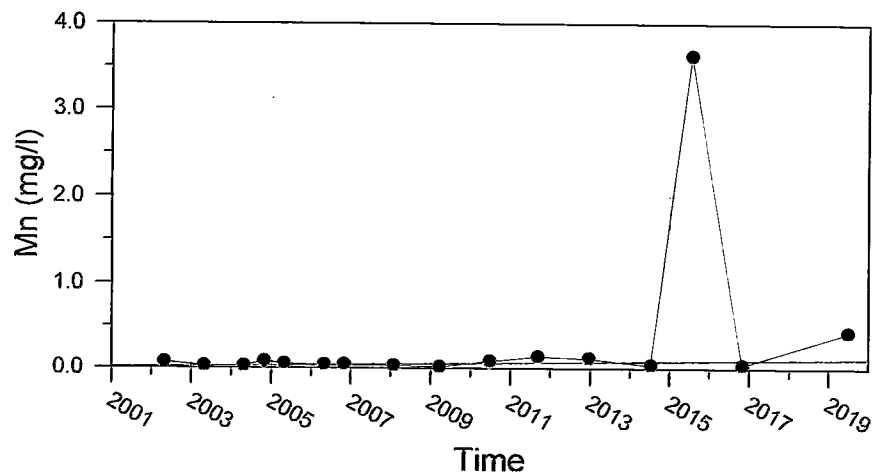
SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

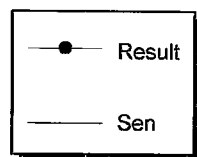
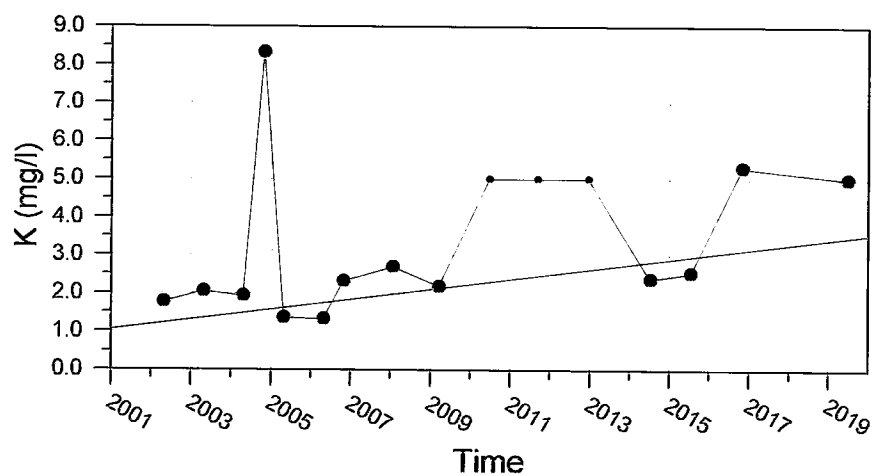
CLIENT: Village of Brockport

DATE: 2001 - 2019

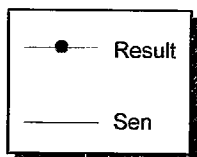
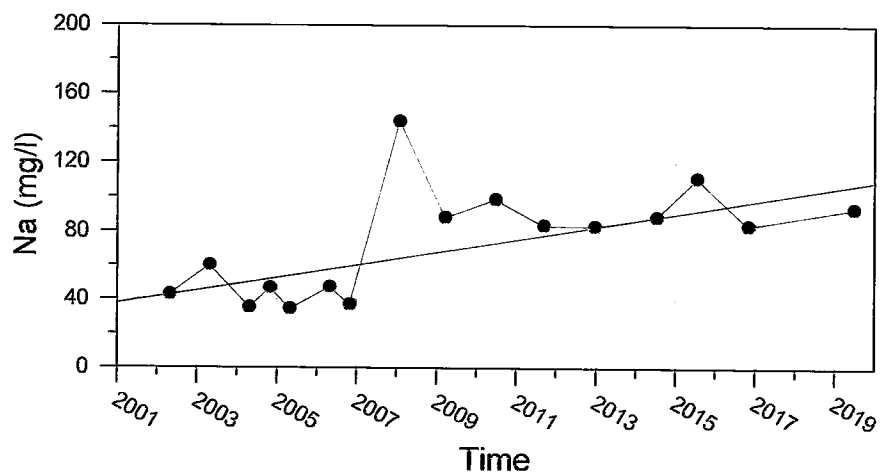
SW-1



SW-1



SW-1



TITLE: Trend Analysis

SITE: Village of Brockport Landfill

EVENT: Environmental Monitoring

CLIENT: Village of Brockport

DATE: 2001 - 2019

APPENDIX D

DATA VALIDATION REPORT

***Brockport Landfill
Site No. 8-28-038***

June 2019 Sampling Event

Prepared by:

**Kenneth R. Applin, Ph.D.
KR Applin and Associates
8806 Route 256
Dansville, NY 14437**

August 2019



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Data Validation Acronyms
Validator Qualifications

APPENDICES

APPENDIX A Laboratory Case Narratives
APPENDIX B Documentation of Quality Control Issues
APPENDIX C Validated Laboratory Data

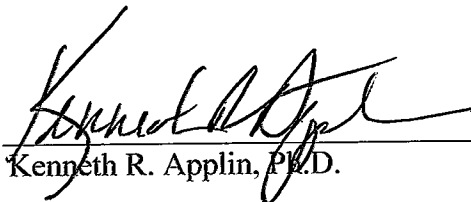
REVIEWER'S NARRATIVE

The analytical data obtained from the June 2019 sampling of the Brockport Landfill, Brockport, New York, have been reviewed in accordance with the criteria set forth in the *Brockport Landfill – Site No. 8-28-038 Post-Closure Monitoring and Maintenance Operations Manual* following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

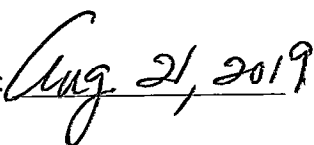
All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated, "J", or as non-detects, "U", are considered usable for the purpose of evaluating water quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data validation report.

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on final data tables because they cannot be relied upon, even as a last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase the confidence in data, but any value potentially contains error.

Reviewer's
Signature


Kenneth R. Applin, Ph.D.

Date:



1.0 SUMMARY

SITE: Brockport Landfill / Site No. 8-28-038

SAMPLING DATE: June 2019

SAMPLE TYPE: Groundwater / Surface Water

LABORATORY: Enalytic LLC, E. Syracuse, NY
Pace Analytical Services, LLC
Melville, NY

**SDG or
WORK ORDER No.:** 7095441 / 7095500

2.0 TECHNICAL GUIDANCE USED IN THE DATA REVIEW

Data validation requirements are specified in the *Brockport Landfill Monitoring Plan* which is included in the *Brockport Landfill – Site No. 8-28-038 Post-Closure Monitoring and Maintenance Operations Manual* (Malcolm Pirnie Inc., December 2000; revised April 2001).

Section 6.2.3 of the Monitoring Plan states that the analytical results from each scheduled monitoring event will be validated against the following criteria:

- Stated objectives of the Sampling Plan,
- Stated quality assurance (QA) objectives of the Quality Assurance Project Plan (QAPP),
- Analysis date versus the applicable holding times,
- Percentage of QA analyses conducted,
- Field and laboratory blank contamination,
- Percent recoveries of laboratory quality control (QC) samples, and
- Relative percent differences (RPDs) of laboratory QC samples and field replicates.

In addition, the Monitoring Plan (Section 6.2) requires that the criteria used for data validation be modeled after the following United States Environmental Protection Agency (USEPA) guidance documents or their updated versions:

- Functional Guidelines for Evaluating Organic Analyses, EPA 68-01-6999, February 1, 1998.
- Functional Guidelines for Evaluating Inorganic Analyses, EPA, July 1, 1988.

The following updated USEPA guidance documents were used to validate the analytical results from the June 2019 sampling event:

- Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO5.3 (SOP #HW-2 Revision #13), September 2006.
- Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry, SW-846 Method 8260B; SOP # HW-24, Revision #2, August 2008.

3.0 SAMPLING SUMMARY

Groundwater and surface water sampling was conducted on June 26, 2019, by a sampling team from Analytic LLC, Inc., East Syracuse, New York. The required groundwater and surface water monitoring points include six overburden monitoring wells, six shallow bedrock monitoring wells, one surface water sampling location on Otis Creek, and one surface water "seep". The sample designation numbers are listed below.

<u>Overburden Wells</u>	<u>Shallow Bedrock Wells</u>
GW-1S	GW-3R
GW-2S	GW-4R
GW-3S	GW-5R
GW-5S	GW-6R
GW-6S	GW-7R
GW-7S	GW-9R

The Otis Creek sample is designated as SW-1. The seepage sample is designated as "SEEP". Sample locations are shown in Figure 2-1 of the Monitoring Plan.

Complete samples were collected from each of the monitoring points. All samples were collected as whole, unfiltered samples. The samples from wells GW-1S, GW-4R, and GW-6R exhibited field turbidities in excess of 50 NTU. Additional samples for dissolved metals analysis were collected from these wells and were filtered in the lab. Both the filtered and non-filtered analytical results were reported.

All field quality control samples specified in Section 5.3 of the Monitoring Plan including trip blanks, one blind duplicate, and a matrix spike/matrix spike duplicate sample were collected with the monitoring well samples. A field duplicate sample was collected from well GW-5R.

4.0 LABORATORY ANALYSIS

Laboratory analysis of the samples was conducted by Pace Analytical Services, LLC, Melville, NY. The monitoring well samples and the surface water samples were analyzed as two individual sample delivery groups. The laboratory work order number for the monitoring well samples is 7095441. The work order number for the surface water samples is 7095500. The analyses were performed in accordance with established USEPA analytical methods. The analytical data for the wells and the surface waters were validated separately using the QC data pertaining to each data package.

The monitoring well samples were analyzed for the chemical parameters listed in Table 3-1 of the Monitoring Plan, which include 11 general chemistry parameters, 9 TAL metals, and 33 TCL volatile organic compounds (VOCs). Surface water sample SW-1 and the seep sample were analyzed for TAL metals and TCL VOCs only (no general chemistry parameters). In addition to total metals, dissolved metals were also analyzed in filtered samples from wells GW-1S, GW-4R, and GW-6R.

In addition to the analytes listed above, samples were also collected from wells GW-1S, GW-3S, GW-6R, and GW-9R for the analysis of per- and polyfluoroalkyl substances (PFAS). The laboratory analyses were subcontracted to Eurofins TestAmerica, Sacramento, CA.

All QC data required under the Monitoring Plan were supplied with the sample analytical results. These data include results for the QC analyses specified in Section 5.4.2 of the Monitoring Plan as well as additional QC data provided by the lab.

5.0 DATA VALIDATION RESULTS

The analytical results for the June 2019 sampling event were validated using the criteria listed in Section 2.0 of this report following appropriate USEPA guidance. Data that were qualified as non-detects (U), estimated non-detects (UJ), estimated (J), or rejected (R) are identified in the following sections and are flagged on the final data sheets of the lab report using red ink.

5.1 Volatile Organic Compounds

Analyte	Samples Affected	Qualifier	Reason
Acetone Bromoform trans-1,3-Dichloropropene	All well samples	J pos. UJ non-detects	%D in CCAL > control limit
Acetone Bromoform 1,2-Dibromo-3-chloropropane Dibromochloromethane trans-1,4-Dichloro-2-butene 1,1-Dichloroethane Vinyl chloride	SW-1 SEEP	J pos. UJ non-detects	%D in CCAL > control limit

5.2 Metals

Analyte	Samples Affected	Qualifier	Reason
Calcium	All well samples	none	MS recovery < control limit *
Iron Potassium	All filtered well samples	J pos.	%D of serial dilution > control limit
Calcium Sodium	SW-1 SEEP	J pos. UJ non-detects	%R of interference check sample < control limit

* In accordance with USEPA guidance, analytical results are not qualified on the basis of MS/MSD recoveries alone. However, MS/MSD recoveries less than the control limits indicate possible low biases in the analytical results. Recoveries greater than the control limits indicate possible high biases in the results.

5.3 Wet Chemistry Parameters

Analyte	Samples Affected	Qualifier	Reason
Alkalinity Nitrite as N TKN	GW-6R	none	MS/MSD recoveries > control limit *

* In accordance with USEPA guidance, analytical results are not qualified on the basis of MS/MSD recoveries alone. However, MS/MSD recoveries less than the control limits indicate possible low biases in the analytical results. Recoveries greater than the control limits indicate possible high biases in the results.

5.4 Per- and Polyfluoroalkyl Substances (PFAS)

Analyte	Samples Affected	Qualifier	Reason
PFOS	GW-1S	Change pos results < CRQL to CRQL	Detected in equip blank at 0.98 J ng/L
PFOS	GW-3S GW-9R	J detects < 10x equip blank value	Detected in equip blank at 0.98 J ng/L
PFHxS	GW-1S GW-3S GW-9R Equip Blank	Change pos results < CRQL to CRQL	Detected in method blank at 0.319 J ng/L

Note: 1,4-dioxane was also analyzed by Method 8270D-SIM. All analytical QC data were within acceptable limits.

5.5 Field Duplicate Results

A field duplicate sample was collected from well GW-5R. The analytical results for the sample and duplicate are compared in the attached table. Except for acetone, the relative percent differences (RPDs) between the duplicate results for each analyte were within the 20% control limit. Given the elevated RPD for acetone, the results in the duplicate samples were qualified as estimated (J or UJ).

6.0 TOTAL USABLE DATA

No analytical results were rejected as a result of this data review. Although some results were qualified as estimated (J or UJ) and/or may be biased due to matrix or other effects, all results are considered usable.

Attachments

COMPARISON OF FIELD DUPLICATE SAMPLE RESULTS
Brockport Landfill

June 2019 Sampling Event

Monitoring Well Sample GW-5R

Analyte	Units	CRDL	5x CRDL	Sample	Q	Duplicate	Q	ABS Diff	RPD
General Chemistry									
Alkalinity, Total as CaCO ₃	mg/L	5	25	1280		1280		0	0.0
Hardness, Total as CaCO ₃	mg/L	5.0	25	900		900		0	0.0
Total Dissolved Solids	mg/L	20	100	1870		1800		70	3.8
Chemical Oxygen Demand	mg/L	10	50	176		169		7	4.1
Chloride	mg/L	40	200	461		464		3	0.6
Sulfate	mg/L	5	25	5.0	U	5.0		0	
Nitrogen, Kjeldahl, Total	mg/L	0.5	2.5	10.6		12.8		2.2	18.8
Nitrate as N	mg/L	0.05	0.25	0.050	U	0.050		0	
Nitrate-Nitrite as N	mg/L	0.05	0.25	0.050	U	0.050		0	
Nitrite as N	mg/L	0.05	0.25	0.050	U	0.050		0	
Nitrogen, Ammonia	mg/L	0.5	2.5	7.6		7.6		0	0.0
Total Organic Carbon	mg/L	1	5	50.4		50.0		0.4	0.8
Phenolics, Total	mg/L	0.010	0.050	0.010	U	0.010	U	0	
Total Metals									
Antimony	ug/L	60.0	300	60.0	U	60.0	U	0	
Arsenic	ug/L	10.0	50.0	10.0	U	10.0	U	0	
Barium	ug/L	200	1000	14700		14400		300	2.1
Boron	ug/L	50.0	500	646		645		1	0.2
Calcium	ug/L	200	1000	255000		252000		3000	1.2
Iron	ug/L	20.0	100	24700		22700		2000	8.4
Magnesium	ug/L	200	1000	95500		94200		1300	1.4
Manganese	ug/L	10.0	50.0	462		460		2	0.4
Potassium	ug/L	5000	25000	18400		18500		100	0.5
Sodium	ug/L	5000	25000	387000		382000		5000	1.3
VOCs									
Acetone	ug/L	5	25	5.0	U	16.3	J	11.3	106
Benzene	ug/L	1	5	7.3		6.7		0.6	8.6
Chlorobenzene	ug/L	1	5	4.8		5.1		0.3	6.1
Chloroethane	ug/L	1	5	24.0		25.6		1.6	6.5
1,1-Dichloroethane	ug/L	1	5	1.0		1.0	U	0.0	0.0

Notes:

CRDL = contract required detection limit (method detection limit used for General Chemistry parameters)

RPD = relative percent difference = $ABS[(C1 - C2)/((C1 + C2)/2)] * 100$

"U" qualifier indicates a non-detect result at the concentration shown

"J" qualifier indicates an estimated result

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

KENNETH R. APPLIN

Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

Appendix A

Laboratory Case Narratives

PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Wells

Method: EPA 6010C
Description: 6010 MET ICP
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121065

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 576051)
 - Calcium
 - Sodium

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 6010C
Description: 6010 MET ICP, Dissolved
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

3 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

15 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120782

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 574898)
 - 2-Butanone (MEK)
- GW-1S (Lab ID: 7095441014)
 - 2-Butanone (MEK)
- GW-2S (Lab ID: 7095441015)
 - 2-Butanone (MEK)
- GW-3R (Lab ID: 7095441017)
 - 2-Butanone (MEK)
- GW-3S (Lab ID: 7095441016)
 - 2-Butanone (MEK)
- GW-4R (Lab ID: 7095441018)
 - 2-Butanone (MEK)
- GW-5R (Lab ID: 7095441020)
 - 2-Butanone (MEK)
- GW-5S (Lab ID: 7095441019)
 - 2-Butanone (MEK)
- GW-6R (Lab ID: 7095441022)
 - 2-Butanone (MEK)
- GW-6S (Lab ID: 7095441021)
 - 2-Butanone (MEK)
- GW-7R (Lab ID: 7095441024)
 - 2-Butanone (MEK)
- GW-7S (Lab ID: 7095441023)
 - 2-Butanone (MEK)
- GW-9R (Lab ID: 7095441025)
 - 2-Butanone (MEK)
- GW-X (Lab ID: 7095441026)
 - 2-Butanone (MEK)
- LCS (Lab ID: 574899)
 - 2-Butanone (MEK)
- MS (Lab ID: 574949)
 - 2-Butanone (MEK)
- MSD (Lab ID: 574950)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 26, 2019

QC Batch: 120782

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- 2-Butanone (MEK)
- STORAGE BLANK (Lab ID: 7095441028)
 - 2-Butanone (MEK)
- TRIP BLANK (Lab ID: 7095441027)
 - 2-Butanone (MEK)

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120782

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- GW-7R (Lab ID: 7095441024)
 - Acetone
- GW-X (Lab ID: 7095441026)
 - Acetone
- LCS (Lab ID: 574899)
 - Acetone
 - trans-1,3-Dichloropropene
- MS (Lab ID: 574949)
 - Acetone
 - trans-1,3-Dichloropropene
- MSD (Lab ID: 574950)
 - Acetone
 - trans-1,3-Dichloropropene

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 574898)
 - Bromoform
- GW-1S (Lab ID: 7095441014)
 - Bromoform
- GW-2S (Lab ID: 7095441015)
 - Bromoform
- GW-3R (Lab ID: 7095441017)
 - Bromoform
- GW-3S (Lab ID: 7095441016)
 - Bromoform
- GW-4R (Lab ID: 7095441018)
 - Bromoform
- GW-5R (Lab ID: 7095441020)
 - Bromoform
- GW-5S (Lab ID: 7095441019)
 - Bromoform
- GW-6R (Lab ID: 7095441022)
 - Bromoform

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 26, 2019

QC Batch: 120782

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- GW-6S (Lab ID: 7095441021)
 - Bromoform
- GW-7R (Lab ID: 7095441024)
 - Bromoform
- GW-7S (Lab ID: 7095441023)
 - Bromoform
- GW-9R (Lab ID: 7095441025)
 - Bromoform
- GW-X (Lab ID: 7095441026)
 - Bromoform
- LCS (Lab ID: 574899)
 - Bromoform
- MS (Lab ID: 574949)
 - Bromoform
- MSD (Lab ID: 574950)
 - Bromoform
- STORAGE BLANK (Lab ID: 7095441028)
 - Bromoform
- TRIP BLANK (Lab ID: 7095441027)
 - Bromoform

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 120782

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 574899)
 - trans-1,3-Dichloropropene

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 574899)
 - Bromoform

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 26, 2019

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 120782

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441022

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 574949)
 - trans-1,3-Dichloropropene
- MSD (Lab ID: 574950)
 - trans-1,3-Dichloropropene

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 574949)
 - 1,1,1-Trichloroethane
 - Bromodichloromethane
- MSD (Lab ID: 574950)
 - 1,1,1-Trichloroethane
 - Bromodichloromethane
 - Carbon tetrachloride
 - cis-1,3-Dichloropropene

R1: RPD value was outside control limits.

- MSD (Lab ID: 574950)
 - Iodomethane

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: SM22 2320B
Description: 2320B Alkalinity
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

11 samples were analyzed for SM22 2320B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 120959

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 575760)
- Alkalinity, Total as CaCO₃

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: SM22 2320B
Description: 2320B Alkalinity
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

2 samples were analyzed for SM22 2320B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121116

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7096405001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 576690)
- Alkalinity, Total as CaCO₃

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: SM22 2340C
Description: 2340C Hardness, Total
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for SM22 2340C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: SM22 2540C
Description: 2540C Total Dissolved Solids
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for SM22 2540C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 410.4
Description: 410.4 COD
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 410.4. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 410.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 300.0
Description: 300.0 IC Anions 28 Days
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 351.2
Description: 351.2 Total Kjeldahl Nitrogen
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 351.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 351.2 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121362

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095339001,7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 577928)
 - Nitrogen, Kjeldahl, Total
- MS (Lab ID: 577930)
 - Nitrogen, Kjeldahl, Total

QC Batch: 121363

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095483001,7095502007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 577934)
 - Nitrogen, Kjeldahl, Total
- MS (Lab ID: 577936)
 - Nitrogen, Kjeldahl, Total

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 353.2
Description: 353.2 Nitrogen, NO2/NO3 unpres
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 119806

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009,7095480001

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 569383)
- Nitrate-Nitrite (as N)

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 353.2
Description: 353.2 Nitrogen, NO2
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 119801

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009,7095502007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 569325)
- Nitrite as N

QC Batch: 119800

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095474001,7095480001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 569319)
- Nitrite as N
- MS (Lab ID: 569321)
- Nitrite as N

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: SM22 4500 NH3 H
Description: 4500 Ammonia Water
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for SM22 4500 NH3 H. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Method: EPA 9060A
Description: 9060A TOC as NPOC
Client: Enalytic, LLC
Date: July 26, 2019

General Information:

13 samples were analyzed for EPA 9060A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 120232

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 571636)
- Total Organic Carbon

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

SW-1/SEEP

Method: EPA 6010C
Description: 6010 MET ICP
Client: Enalytic, LLC
Date: July 12, 2019

General Information:

2 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 121065

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095441009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 576051)
 - Calcium
 - Sodium

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 12, 2019

General Information:

2 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of-custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120726

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 574699)
 - 2-Butanone (MEK)
- LCS (Lab ID: 574700)
 - 2-Butanone (MEK)
- MS (Lab ID: 574820)
 - 2-Butanone (MEK)
- MSD (Lab ID: 574821)
 - 2-Butanone (MEK)
- SEEP (Lab ID: 7095500002)
 - 2-Butanone (MEK)
- SW-1 (Lab ID: 7095500001)
 - 2-Butanone (MEK)

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 120726

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 574700)
 - Acetone
 - Dibromochloromethane
- MS (Lab ID: 574820)
 - Acetone
 - Dibromochloromethane
- MSD (Lab ID: 574821)
 - Acetone
 - Dibromochloromethane

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 574699)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 12, 2019

QC Batch: 120726

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Vinyl chloride
- trans-1,4-Dichloro-2-butene
- LCS (Lab ID: 574700)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- MS (Lab ID: 574820)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- MSD (Lab ID: 574821)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- SEEP (Lab ID: 7095500002)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene
- SW-1 (Lab ID: 7095500001)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - Bromoform
 - Chloromethane
 - Vinyl chloride
 - trans-1,4-Dichloro-2-butene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: Enalytic, LLC
Date: July 12, 2019

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 120726

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 574700)
 - 1,1,1,2-Tetrachloroethane

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 574700)
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - 4-Methyl-2-pentanone (MIBK)
 - trans-1,4-Dichloro-2-butene

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 120726

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095502007

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 574820)
 - 1,1,1,2-Tetrachloroethane
 - 1,2-Dibromo-3-chloropropane
 - trans-1,4-Dichloro-2-butene
- MSD (Lab ID: 574821)
 - 1,1,1,2-Tetrachloroethane
 - 1,1-Dichloroethane
 - 1,2-Dibromo-3-chloropropane
 - trans-1,4-Dichloro-2-butene

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 574820)
 - Chlorobenzene
 - Ethylbenzene
 - Styrene
- MSD (Lab ID: 574821)
 - Styrene

MS: Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

- MS (Lab ID: 574820)
 - Xylene (Total)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: Enalytic, LLC

Date: July 12, 2019

QC Batch: 120726

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7095502007

R1: RPD value was outside control limits.

- MSD (Lab ID: 574821)
- Iodomethane

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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Appendix B

Documentation of Quality Control Issues

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

11952974CCV

Lab Name: Pace Analytical - New York

Calibration Date: 07/06/2019 Time: 10:11

Instrument ID: 70MSV5 GC Column: Col 1

Init. Calib. Date(s): 06/26/2019 06/26/2019

Lab File ID: 070619.B\H20811.D

Init. Calib. Time(s): 20:17 22:55

SDG No.: 7095441

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.13316	0.17573	0.1000	31.9699	20.0000
Acrylonitrile	Averaged	0.16496	0.17330	0.0100	5.0512	20.0000
Benzene	Averaged	1.75932	1.74520	0.5000	-0.8029	20.0000
Bromochloromethane	Averaged	0.27846	0.28772	0.0100	3.3240	20.0000
Bromodichloromethane	Averaged	0.41459	0.48402	0.2000	16.7487	20.0000
Bromoform	Linear	50	34.69418	0.1000	-30.6116	20.0000
Bromomethane	Averaged	0.39255	0.35408	0.1000	-9.7984	20.0000
2-Butanone (MEK)	Averaged	0.53739	0.63315	0.1000	17.8207	20.0000
Carbon disulfide	Averaged	1.54591	1.78979	0.1000	15.7758	20.0000
Carbon tetrachloride	Averaged	0.46735	0.51546	0.1000	10.2938	20.0000
Chlorobenzene	Averaged	2.38660	2.19936	0.5000	-7.8453	20.0000
Chloroethane	Averaged	0.48900	0.48224	0.1000	-1.3812	20.0000
Chloroform	Averaged	1.28076	1.39320	0.2000	8.7791	20.0000
Chloromethane	Averaged	0.75997	0.68843	0.1000	-9.4130	20.0000
1,2-Dibromo-3-chloropropane	Linear	50	46.44463	0.0500	-7.1107	20.0000
Dibromochloromethane	Averaged	0.54881	0.58057	0.1000	5.7871	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.28179	0.30787	0.1000	9.2576	20.0000
Dibromomethane	Averaged	0.19712	0.18946	0.0100	-3.8881	20.0000
1,2-Dichlorobenzene	Averaged	1.77473	1.76305	0.4000	-0.6585	20.0000
1,4-Dichlorobenzene	Averaged	2.06176	2.00781	0.5000	-2.6166	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	47.25384	0.0100	-5.4923	20.0000
1,1-Dichloroethane	Averaged	1.25586	1.28885	0.2000	2.6270	20.0000
1,2-Dichloroethane	Averaged	0.88079	1.01502	0.1000	15.2396	20.0000
1,1-Dichloroethene	Averaged	0.52986	0.56889	0.1000	7.3671	20.0000
cis-1,2-Dichloroethene	Averaged	0.87612	0.86787	0.1000	-0.9409	20.0000
trans-1,2-Dichloroethene	Averaged	0.78885	0.78901	0.1000	0.0205	20.0000
1,2-Dichloropropane	Averaged	0.38820	0.40230	0.1000	3.6298	20.0000
cis-1,3-Dichloropropene	Averaged	0.51836	0.61125	0.2000	17.9198	20.0000
trans-1,3-Dichloropropene	Averaged	0.43053	0.54109	0.1000	25.6800	20.0000
Ethylbenzene	Averaged	1.32684	1.22971	0.1000	-7.3203	20.0000
2-Hexanone	Linear	50	49.76483	0.1000	-0.4703	20.0000
Iodomethane	Linear	50	48.28708	0.0100	-3.4258	20.0000
Methylene Chloride	Averaged	0.72032	0.75302	0.1000	4.5396	20.0000
4-Methyl-2-pentanone (MIBK)	Linear	50	47.31260	0.1000	-5.3748	20.0000
Styrene	Averaged	2.27696	2.33680	0.3000	2.6283	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.65945	0.65200	0.0100	-1.1310	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/17/2019 11:48

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

576051MS

Lab Name: Pace Analytical - New York SDG No. : 7095441 Contract: BROCKPORT LANDFILL

Matrix: Water Basis: Wet Parent Sample ID: GW-6R

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	753	<60.0	750	100
Arsenic	ug/L	75-125	511	<10.0	500	102
Barium	ug/L	75-125	722	275	500	89
Boron	ug/L	75-125	3220	828	2500	96
Calcium	ug/L	75-125	140000	125000	25000	62*
Iron	ug/L	75-125	18600	16600	2000	104
Magnesium	ug/L	75-125	84800	65400	25000	78
Manganese	ug/L	75-125	726	505	250	88
Potassium	ug/L	75-125	62100	13800	50000	97
Sodium	ug/L	75-125	212000	179000	50000	67*

* Spike Recovery outside QC Limits

07/17/2019 12:46

SAMPLE NO.

Lab Name: Pace Analytical - New York SDG No. : 7095441 Contract: BROCKPORT LANDFILL
Matrix: Water Parent Sample ID: GW-6R

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Antimony, Dissolved	ug/L	13.4U	67.0U		10
Arsenic, Dissolved	ug/L	8.1U	40.5U		10
Barium, Dissolved	ug/L	219	226J	3.0	10
Cadmium, Dissolved	ug/L	0.84U	4.2U		10
Iron, Dissolved	ug/L	858	1320	53.8*	10
Magnesium, Dissolved	ug/L	58300	61000	4.6	10
Manganese, Dissolved	ug/L	419	428	2.0	10
Potassium, Dissolved	ug/L	13700	16000J	16.8*	10
Sodium, Dissolved	ug/L	164000	176000	7.0	10

Analyzed 7/3/19

$\left. \begin{array}{l} \text{GW-15} \\ -4R \\ -6R \end{array} \right\} \text{filtered}$

07/17/2019 12:45

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

569325MS

Lab Name: Pace Analytical - New York SDG No. : 7095441 Contract: BROCKPORT LANDFILL

Matrix: Water Basis: Wet Parent Sample ID: GW-6R

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrite as N	mg/L	90-110	0.59	<0.050	0.50	119*

* Spike Recovery outside QC Limits

07/17/2019 12:46

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

575760MS

Lab Name: Pace Analytical - New York SDG No. : 7095441 Contract: BROCKPORT LANDFILL

Matrix: Water Basis: Wet Parent Sample ID: GW-6R

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Alkalinity, Total as CaCO ₃	mg/L	75-125	898	863	25.0	140*

* Spike Recovery outside QC Limits

07/17/2019 12:46

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

577930MS

Lab Name: Pace Analytical - New York SDG No. : 7095441 Contract: BROCKPORT LANDFILL

Matrix: Water Basis: Wet Parent Sample ID: GW-6R

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Nitrogen, Kjeldahl, Total	mg/L	90-110	9.0	4.4	4.0	115*

* Spike Recovery outside QC Limits

07/17/2019 12:46

MSV - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - New York

Date Extracted: 07/05/2019

Instrument: 70MSV5

Parent Sample ID: 7095502007

Matrix Spike - Sample No: 574820MS

Date Analyzed (1): 07/05/2019

Lab File ID: 070519.B\H20807.D

SDG No.: 7095500

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1,2-Tetrachloroethane ✓	50.0	<1.0	60.2	120	74-113
1,1,1-Trichloroethane	50.0	<1.0	55.3	111	65-118
1,1,2,2-Tetrachloroethane	50.0	<1.0	44.5	89	74-121
1,1,2-Trichloroethane	50.0	<1.0	48.4	97	80-117
1,1-Dichloroethane	50.0	<1.0	43.4	87	83-151
1,1-Dichloroethene	50.0	<1.0	49.5	99	45-146
1,2,3-Trichloropropane	50.0	<1.0	49.5	99	71-123
1,2-Dibromo-3-chloropropane	50.0	<1.0	35.3	71	74-119
1,2-Dibromoethane (EDB)	50.0	<1.0	55.4	111	83-115
1,2-Dichlorobenzene	50.0	<1.0	54.9	110	74-113
1,2-Dichloroethane	50.0	<1.0	49.4	99	74-129
1,2-Dichloropropane	50.0	<1.0	46.4	93	75-117
1,4-Dichlorobenzene	50.0	<1.0	53.6	107	71-113
2-Butanone (MEK)	50.0	<5.0	40.3	81	44-162
2-Hexanone	50.0	<5.0	41.7	83	32-183
4-Methyl-2-pentanone (MIBK)	50.0	<5.0	37.5	75	69-132
Acetone	50.0	<5.0	37.2	74	23-188
Acrylonitrile	50.0	<1.0	39.5	79	59-148
Benzene	50.0	<1.0	48.9	98	73-119
Bromochloromethane	50.0	<1.0	53.0	106	81-116
Bromodichloromethane	50.0	<1.0	52.1	104	78-117
Bromoform	50.0	<1.0	44.0	88	65-122
Bromomethane	50.0	<1.0	42.2	84	52-147
Carbon disulfide	50.0	<1.0	49.2	98	41-144
Carbon tetrachloride	50.0	<1.0	55.9	112	59-120
Chlorobenzene ✓	50.0	<1.0	59.8	120	75-113
Chloroethane	50.0	<1.0	44.3	89	49-151
Chloroform	50.0	<1.0	50.4	101	72-122
Chloromethane	50.0	<1.0	35.5	71	46-144
Dibromochloromethane	50.0	<1.0	59.4	119	70-120
Dibromomethane	50.0	<1.0	51.2	102	75-125
Ethylbenzene ✓	50.0	<1.0	59.5	119	70-113
Iodomethane	50.0	<1.0	54.1	108	61-144
Methylene Chloride	50.0	<1.0	45.9	92	61-142
Styrene ✓	50.0	<1.0	63.7	127	72-118
Tetrachloroethene	50.0	<1.0	56.9	114	60-128
Toluene	50.0	<1.0	51.1	102	72-119
Trichloroethene	50.0	<1.0	53.4	107	69-117
Trichlorofluoromethane	50.0	<1.0	51.3	103	27-173
Vinyl acetate	50.0	<1.0	38.5	77	20-158
Vinyl chloride	50.0	<1.0	41.0	82	43-143
Xylene (Total) ✓	150	<3.0	182	122	71-109
cis-1,2-Dichloroethene	50.0	<1.0	47.7	95	72-121
cis-1,3-Dichloropropene	50.0	<1.0	50.6	101	78-116
trans-1,2-Dichloroethene	50.0	<1.0	49.6	99	56-142
trans-1,3-Dichloropropene	50.0	<1.0	51.9	104	79-116
trans-1,4-Dichloro-2-butene	50.0	<1.0	33.8	68	71-121

07/12/2019 9:25

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

11949853CCV

Lab Name: Pace Analytical - New York

Calibration Date: 07/05/2019 Time: 11:20

Instrument ID: 70MSV5 GC Column: Col 1

Init. Calib. Date(s): 06/26/2019 06/26/2019

Lab File ID: 070519.B\H20784.D

Init. Calib. Time(s): 20:17 22:55

SDG No.: 7095500

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.13316	0.20236	0.1000	51.9635	20.0000
Acrylonitrile	Averaged	0.16496	0.13306	0.0100	-19.3415	20.0000
Benzene	Averaged	1.75932	1.54098	0.5000	-12.4109	20.0000
Bromochloromethane	Averaged	0.27846	0.28165	0.0100	1.1434	20.0000
Bromodichloromethane	Averaged	0.41459	0.42591	0.2000	2.7306	20.0000
Bromoform	Linear	50	32.63451	0.1000	34.7310	20.0000
Bromomethane	Averaged	0.39255	0.31997	0.1000	-18.4889	20.0000
2-Butanone (MEK)	Averaged	0.53739	0.56030	0.1000	4.2632	20.0000
Carbon disulfide	Averaged	1.54591	1.40956	0.1000	-8.8196	20.0000
Carbon tetrachloride	Averaged	0.46735	0.49593	0.1000	6.1163	20.0000
Chlorobenzene	Averaged	2.38660	2.56459	0.5000	7.4581	20.0000
Chloroethane	Averaged	0.48900	0.39789	0.1000	-18.6309	20.0000
Chloroform	Averaged	1.28076	1.19544	0.2000	-6.6616	20.0000
Chloromethane	Averaged	0.75997	0.55738	0.1000	26.6575	20.0000
1,2-Dibromo-3-chloropropane	Linear	50	38.13836	0.0500	23.7233	20.0000
Dibromochloromethane	Averaged	0.54881	0.66957	0.1000	22.0031	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.28179	0.30256	0.1000	7.3715	20.0000
Dibromomethane	Averaged	0.19712	0.18967	0.0100	-3.7798	20.0000
1,2-Dichlorobenzene	Averaged	1.77473	1.79766	0.4000	1.2916	20.0000
1,4-Dichlorobenzene	Averaged	2.06176	2.04018	0.5000	-1.0464	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	33.39355	0.0100	33.2129	20.0000
1,1-Dichloroethane	Averaged	1.25586	1.00122	0.2000	20.2764	20.0000
1,2-Dichloroethane	Averaged	0.88079	0.83244	0.1000	-5.4894	20.0000
1,1-Dichloroethene	Averaged	0.52986	0.47710	0.1000	-9.9565	20.0000
cis-1,2-Dichloroethene	Averaged	0.87612	0.78509	0.1000	-10.3900	20.0000
trans-1,2-Dichloroethene	Averaged	0.78885	0.72115	0.1000	-8.5825	20.0000
1,2-Dichloropropane	Averaged	0.38820	0.32859	0.1000	-15.3560	20.0000
cis-1,3-Dichloropropene	Averaged	0.51836	0.52632	0.2000	1.5354	20.0000
trans-1,3-Dichloropropene	Averaged	0.43053	0.45474	0.1000	5.6231	20.0000
Ethylbenzene	Averaged	1.32684	1.38791	0.1000	4.6028	20.0000
2-Hexanone	Linear	50	59.40826	0.1000	18.8165	20.0000
Iodomethane	Linear	50	43.15444	0.0100	-13.6911	20.0000
Methylene Chloride	Averaged	0.72032	0.62239	0.1000	-13.5948	20.0000
4-Methyl-2-pentanone (MIBK)	Linear	50	40.49326	0.1000	-19.0135	20.0000
Styrene	Averaged	2.27696	2.62168	0.3000	15.1396	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.65945	0.76445	0.0100	15.9214	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/12/2019 9:25

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

11949853CCV

Lab Name: Pace Analytical - New York

Calibration Date: 07/05/2019 Time: 11:20

Instrument ID: 70MSV5 GC Column: Col 1

Init. Calib. Date(s): 06/26/2019 06/26/2019

Lab File ID: 070519.B\H20784.D

Init. Calib. Time(s): 20:17 22:55

SDG No.: 7095500

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
1,1,2,2-Tetrachloroethane	Averaged	1.04756	0.92543	0.3000	-11.6589	20.0000
Tetrachloroethene	Averaged	0.91150	0.87874	0.2000	-3.5938	20.0000
Toluene	Averaged	1.88707	1.70866	0.4000	-9.4543	20.0000
1,1,1-Trichloroethane	Averaged	0.58747	0.60228	0.1000	2.5215	20.0000
1,1,2-Trichloroethane	Averaged	0.28090	0.25640	0.1000	-8.7208	20.0000
Trichloroethene	Averaged	0.43629	0.42566	0.2000	-2.4354	20.0000
Trichlorofluoromethane	Averaged	0.91948	0.86513	0.1000	-5.9111	20.0000
1,2,3-Trichloropropane	Averaged	0.33495	0.32865	0.0100	-1.8826	20.0000
Vinyl acetate	Averaged	1.10289	0.96940	0.0100	-12.1034	20.0000
Vinyl chloride	Averaged	0.77310	0.59796	0.1000	-22.6543	20.0000
m&p-Xylene	Averaged	1.56348	1.67939	0.1000	7.4141	20.0000
o-Xylene	Averaged	1.49049	1.59566	0.3000	7.0562	20.0000
4-Bromofluorobenzene (S)	Averaged	0.82533	0.88635	0.0100	7.3928	20.0000
1,2-Dichloroethane-d4 (S)	Averaged	0.31326	0.29840	0.0100	-4.7442	20.0000
Toluene-d8 (S)	Averaged	2.69679	2.71347	0.0100	0.6188	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/12/2019 9:25

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

576051MS

Lab Name: Pace Analytical - New York SDG No. : 7095500 Contract: BROCKPORT LANDFILL LONG

Matrix: Water Basis: Wet Parent Sample ID: 7095441009

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	753	<60.0	750	100
Arsenic	ug/L	75-125	511	<10.0	500	102
Barium	ug/L	75-125	722	275	500	89
Calcium	ug/L	75-125	140000	125000	25000	62*
Iron	ug/L	75-125	18600	16600	2000	104
Magnesium	ug/L	75-125	84800	65400	25000	78
Manganese	ug/L	75-125	726	505	250	88
Potassium	ug/L	75-125	62100	13800	50000	97
Sodium	ug/L	75-125	212000	179000	50000	67*

* Spike Recovery outside QC Limits

07/12/2019 09:25

Appendix C

Validated Laboratory Data

ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441001	Collected: 06/26/19 11:37	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.41	Std. Units		1		06/26/19 11:37		
Field Temperature	19.3	deg C		1		06/26/19 11:37		
Field Specific Conductance	628	umhos/cm		1		06/26/19 11:37		
REDOX	56	mV		1		06/26/19 11:37		
Field Turbidity	163	NTU		1		06/26/19 11:37		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:34	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:34	7440-38-2	
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:34	7440-39-3	
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:34	7440-42-8	
Calcium	106000	ug/L	200	1	07/09/19 10:00	07/10/19 21:34	7440-70-2	
Iron	3880	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:34	7439-89-6	
Magnesium	22100	ug/L	200	1	07/09/19 10:00	07/10/19 21:34	7439-95-4	
Manganese	121	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:34	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:34	7440-09-7	
Sodium	5600	ug/L	5000	1	07/09/19 10:00	07/10/19 21:34	7440-23-5	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C						
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/03/19 14:04	7440-36-0	
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/03/19 14:04	7440-38-2	
Barium, Dissolved	<200	ug/L	200	1		07/03/19 14:04	7440-39-3	
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/03/19 14:04	7440-43-9	
Iron, Dissolved	106	ug/L	20.0	1		07/03/19 14:04	7439-89-6	
Magnesium, Dissolved	19400	ug/L	200	1		07/03/19 14:04	7439-95-4	
Manganese, Dissolved	12.7	ug/L	10.0	1		07/03/19 14:04	7439-96-5	
Potassium, Dissolved	<5000	ug/L	5000	1		07/03/19 14:04	7440-09-7	
Sodium, Dissolved	5010	ug/L	5000	1		07/03/19 14:04	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	325	mg/L	1.0	1		07/09/19 00:20		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	280	mg/L	5.0	1		07/11/19 17:19		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	350	mg/L	20.0	1		07/01/19 09:49		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:05		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	3.2	mg/L	2.0	1		07/09/19 23:55	16887-00-6	
Sulfate	30.4	mg/L	5.0	1		07/09/19 23:55	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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8/19/19

ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441001	Collected: 06/26/19 11:37	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.18	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:54	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	0.18	mg/L	0.050	1		06/27/19 22:08	14797-55-8	
Nitrate-Nitrite (as N)	0.18	mg/L	0.050	1		06/27/19 22:08	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:54	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:42	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 18:51	7440-44-0	D6
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 18:51	7440-44-0	
Total Organic Carbon	3.9	mg/L	1.0	1		07/02/19 18:51	7440-44-0	D6
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 18:51	7440-44-0	
Mean Total Organic Carbon	3.0	mg/L	1.0	1		07/02/19 18:51	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441002	Collected: 06/26/19 12:26		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	6.56	Std. Units		1		06/26/19 12:26		
Field Temperature	21.1	deg C		1		06/26/19 12:26		
Field Specific Conductance	380	umhos/cm		1		06/26/19 12:26		
REDOX	-133	mV		1		06/26/19 12:26		
Field Turbidity	15.2	NTU		1		06/26/19 12:26		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:39	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:39	7440-38-2	
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:39	7440-39-3	
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:39	7440-42-8	
Calcium	70700	ug/L	200	1	07/09/19 10:00	07/10/19 21:39	7440-70-2	
Iron	2720	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:39	7439-89-6	
Magnesium	8470	ug/L	200	1	07/09/19 10:00	07/10/19 21:39	7439-95-4	
Manganese	1550	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:39	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:39	7440-09-7	
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:39	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	197	mg/L	1.0	1		07/09/19 00:31		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	170	mg/L	5.0	1		07/11/19 17:20		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	211	mg/L	10.0	1		07/01/19 09:49		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:05		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	3.4	mg/L	2.0	1		07/10/19 00:12	16887-00-6	
Sulfate	<5.0	mg/L	5.0	1		07/10/19 00:12	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	1.4	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:54	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	0.10	mg/L	0.050	1		06/27/19 22:10	14797-55-8	
Nitrate-Nitrite (as N)	0.10	mg/L	0.050	1		06/27/19 22:10	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:55	14797-65-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441002	Collected: 06/26/19 12:26	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:46	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	3.9	mg/L	1.0	1		07/02/19 19:52	7440-44-0	
Total Organic Carbon	2.6	mg/L	1.0	1		07/02/19 19:52	7440-44-0	
Total Organic Carbon	2.8	mg/L	1.0	1		07/02/19 19:52	7440-44-0	
Total Organic Carbon	2.7	mg/L	1.0	1		07/02/19 19:52	7440-44-0	
Mean Total Organic Carbon	3.0	mg/L	1.0	1		07/02/19 19:52	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441003	Collected: 06/26/19 12:04		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.23	Std. Units		1		06/26/19 12:04		
Field Temperature	18.6	deg C		1		06/26/19 12:04		
Field Specific Conductance	953	umhos/cm		1		06/26/19 12:04		
REDOX	-144	mV		1		06/26/19 12:04		
Field Turbidity	48.6	NTU		1		06/26/19 12:04		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:44	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:44	7440-38-2	
Barium	203	ug/L	200	1	07/09/19 10:00	07/10/19 21:44	7440-39-3	
Boron	50.7	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:44	7440-42-8	
Calcium	78800	ug/L	200	1	07/09/19 10:00	07/10/19 21:44	7440-70-2	
Iron	7490	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:44	7439-89-6	
Magnesium	24600	ug/L	200	1	07/09/19 10:00	07/10/19 21:44	7439-95-4	
Manganese	63.8	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:44	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:44	7440-09-7	
Sodium	12600	ug/L	5000	1	07/09/19 10:00	07/10/19 21:44	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	289	mg/L	1.0	1		07/09/19 00:45		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	280	mg/L	5.0	1		07/11/19 17:26		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	280	mg/L	20.0	1		07/01/19 09:50		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	7.2	mg/L	2.0	1		07/10/19 00:29	16887-00-6	
Sulfate	37.0	mg/L	5.0	1		07/10/19 00:29	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.32	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:55	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:11	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:11	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:56	14797-65-0	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441003	Collected: 06/26/19 12:04	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:47	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0	
Total Organic Carbon	1.3	mg/L	1.0	1		07/02/19 20:08	7440-44-0	
Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0	
Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0	
Mean Total Organic Carbon	1.4	mg/L	1.0	1		07/02/19 20:08	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441004	Collected: 06/26/19 12:11		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.72	Std. Units		1		06/26/19 12:11		
Field Temperature	14.4	deg C		1		06/26/19 12:11		
Field Specific Conductance	592	umhos/cm		1		06/26/19 12:11		
REDOX	-158	mV		1		06/26/19 12:11		
Field Turbidity	44.2	NTU		1		06/26/19 12:11		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:50	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:50	7440-38-2	
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:50	7440-39-3	
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:50	7440-42-8	
Calcium	168000	ug/L	200	1	07/09/19 10:00	07/10/19 21:50	7440-70-2	
Iron	1200	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:50	7439-89-6	
Magnesium	26300	ug/L	200	1	07/09/19 10:00	07/10/19 21:50	7439-95-4	
Manganese	131	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:50	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 21:50	7440-09-7	
Sodium	14700	ug/L	5000	1	07/09/19 10:00	07/10/19 21:50	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO ₃	458	mg/L	1.0	1		07/09/19 01:05		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO ₃ (SM 2340B	440	mg/L	5.0	1		07/11/19 17:28		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	530	mg/L	20.0	1		07/01/19 09:51		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	14.6	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	43.6	mg/L	2.0	1		07/10/19 00:46	16887-00-6	
Sulfate	43.9	mg/L	5.0	1		07/10/19 00:46	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.28	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:56	7727-37-9	
353.2 Nitrogen, NO₂/NO₃ unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:12	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:12	7727-37-9	
353.2 Nitrogen, NO₂		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 19:57	14797-65-0	

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Melville, NY 11747
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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441004	Collected: 06/26/19 12:11	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:48	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	5.1	mg/L	1.0	1		07/02/19 20:24	7440-44-0	
Total Organic Carbon	5.0	mg/L	1.0	1		07/02/19 20:24	7440-44-0	
Total Organic Carbon	5.1	mg/L	1.0	1		07/02/19 20:24	7440-44-0	
Total Organic Carbon	5.0	mg/L	1.0	1		07/02/19 20:24	7440-44-0	
Mean Total Organic Carbon	5.0	mg/L	1.0	1		07/02/19 20:24	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441005	Collected: 06/26/19 10:17		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	8.14	Std. Units		1		06/26/19 10:17		
Field Temperature	13.2	deg C		1		06/26/19 10:17		
Field Specific Conductance	6440	umhos/cm		1		06/26/19 10:17		
REDOX	-104	mV		1		06/26/19 10:17		
Field Turbidity	113	NTU		1		06/26/19 10:17		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 21:55	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:55	7440-38-2	
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 21:55	7440-39-3	
Boron	2660	ug/L	50.0	1	07/09/19 10:00	07/10/19 21:55	7440-42-8	
Calcium	104000	ug/L	200	1	07/09/19 10:00	07/10/19 21:55	7440-70-2	
Iron	2200	ug/L	20.0	1	07/09/19 10:00	07/10/19 21:55	7439-89-6	
Magnesium	19400	ug/L	200	1	07/09/19 10:00	07/10/19 21:55	7439-95-4	
Manganese	160	ug/L	10.0	1	07/09/19 10:00	07/10/19 21:55	7439-96-5	
Potassium	23400	ug/L	5000	1	07/09/19 10:00	07/10/19 21:55	7440-09-7	
Sodium	1110000	ug/L	50000	10	07/09/19 10:00	07/11/19 15:20	7440-23-5	
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C						
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/03/19 14:07	7440-36-0	
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/03/19 14:07	7440-38-2	
Barium, Dissolved	<200	ug/L	200	1		07/03/19 14:07	7440-39-3	
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/03/19 14:07	7440-43-9	
Iron, Dissolved	274 J	ug/L	20.0	1		07/03/19 14:07	7439-89-6	
Magnesium, Dissolved	17500	ug/L	200	1		07/03/19 14:07	7439-95-4	
Manganese, Dissolved	123	ug/L	10.0	1		07/03/19 14:07	7439-96-5	
Potassium, Dissolved	28200 J	ug/L	5000	1		07/03/19 14:07	7440-09-7	
Sodium, Dissolved	987000	ug/L	5000	1		07/03/19 14:07	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	111	mg/L	1.0	1		07/09/19 01:13		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	310	mg/L	5.0	1		07/11/19 17:30		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	3360	mg/L	20.0	1		07/01/19 09:51		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	94.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	2300	mg/L	200	100		07/10/19 20:40	16887-00-6	
Sulfate	<5.0	mg/L	5.0	1		07/10/19 01:02	14808-79-8	

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K. [Signature]
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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441005	Collected: 06/26/19 10:17	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	2.0	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:57	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	0.076	mg/L	0.050	1		06/27/19 22:13	14797-55-8	
Nitrate-Nitrite (as N)	0.076	mg/L	0.050	1		06/27/19 22:13	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:01	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	1.8	mg/L	0.10	1		07/11/19 15:49	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	4.1	mg/L	1.0	1		07/02/19 20:41	7440-44-0	
Total Organic Carbon	4.1	mg/L	1.0	1		07/02/19 20:41	7440-44-0	
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 20:41	7440-44-0	
Total Organic Carbon	3.5	mg/L	1.0	1		07/02/19 20:41	7440-44-0	
Mean Total Organic Carbon	3.8	mg/L	1.0	1		07/02/19 20:41	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441006	Collected: 06/26/19 10:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.08	Std. Units		1		06/26/19 10:01		
Field Temperature	17.4	deg C		1		06/26/19 10:01		
Field Specific Conductance	2760	umhos/cm		1		06/26/19 10:01		
REDOX	-28	mV		1		06/26/19 10:01		
Field Turbidity	7.11	NTU		1		06/26/19 10:01		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:01	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:01	7440-38-2	
Barium	396	ug/L	200	1	07/09/19 10:00	07/10/19 22:01	7440-39-3	
Boron	75.8	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:01	7440-42-8	
Calcium	139000	ug/L	200	1	07/09/19 10:00	07/10/19 22:01	7440-70-2	
Iron	2260	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:01	7439-89-6	
Magnesium	56200	ug/L	200	1	07/09/19 10:00	07/10/19 22:01	7439-95-4	
Manganese	535	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:01	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:01	7440-09-7	
Sodium	380000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:01	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	713	mg/L	1.0	1		07/09/19 01:40		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	500	mg/L	5.0	1		07/11/19 17:36		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	1530	mg/L	20.0	1		07/01/19 10:05		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	72.0	mg/L	10.0	1	07/05/19 11:06	07/05/19 14:06		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	663	mg/L	40.0	20		07/10/19 20:56	16887-00-6	
Sulfate	40.1	mg/L	5.0	1		07/10/19 01:19	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.82	mg/L	0.10	1	07/11/19 05:54	07/11/19 12:58	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:14	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:14	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:02	14797-65-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441006	Collected: 06/26/19 10:01	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:50	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	10.9	mg/L	1.0	1		07/02/19 20:59	7440-44-0	
Total Organic Carbon	10.6	mg/L	1.0	1		07/02/19 20:59	7440-44-0	
Total Organic Carbon	10.5	mg/L	1.0	1		07/02/19 20:59	7440-44-0	
Total Organic Carbon	10.5	mg/L	1.0	1		07/02/19 20:59	7440-44-0	
Mean Total Organic Carbon	10.6	mg/L	1.0	1		07/02/19 20:59	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441007		Collected: 06/26/19 09:45		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	6.92	Std. Units		1		06/26/19 09:45			
Field Temperature	16.9	deg C		1		06/26/19 09:45			
Field Specific Conductance	3350	umhos/cm		1		06/26/19 09:45			
REDOX	O/R	mV		1		06/26/19 09:45			
Field Turbidity	49	NTU		1		06/26/19 09:45			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:06	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:06	7440-38-2		
Barium	14700	ug/L	200	1	07/09/19 10:00	07/10/19 22:06	7440-39-3		
Boron	646	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:06	7440-42-8		
Calcium	255000	ug/L	200	1	07/09/19 10:00	07/10/19 22:06	7440-70-2		
Iron	24700	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:06	7439-89-6		
Magnesium	95500	ug/L	200	1	07/09/19 10:00	07/10/19 22:06	7439-95-4		
Manganese	462	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:06	7439-96-5		
Potassium	18400	ug/L	5000	1	07/09/19 10:00	07/10/19 22:06	7440-09-7		
Sodium	387000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:06	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	1280	mg/L	5.0	1		07/09/19 18:21			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	900	mg/L	5.0	1		07/11/19 17:41			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	1870	mg/L	20.0	1		07/01/19 10:06			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	176	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:15			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	461	mg/L	40.0	20		07/10/19 21:13	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		07/10/19 02:09	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	10.6	mg/L	0.50	5	07/11/19 05:54	07/11/19 13:33	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:16	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:16	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:03	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441007	Collected: 06/26/19 09:45	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	7.6	mg/L	0.50	5		07/11/19 16:14	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	50.1	mg/L	1.0	1		07/02/19 21:17	7440-44-0	
Total Organic Carbon	50.6	mg/L	1.0	1		07/02/19 21:17	7440-44-0	
Total Organic Carbon	50.7	mg/L	1.0	1		07/02/19 21:17	7440-44-0	
Total Organic Carbon	50.2	mg/L	1.0	1		07/02/19 21:17	7440-44-0	
Mean Total Organic Carbon	50.4	mg/L	1.0	1		07/02/19 21:17	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441008	Collected: 06/26/19 11:06	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	7.02	Std. Units		1		06/26/19 11:06		
Field Temperature	15.2	deg C		1		06/26/19 11:06		
Field Specific Conductance	710	umhos/cm		1		06/26/19 11:06		
REDOX	55	mV		1		06/26/19 11:06		
Field Turbidity	49.3	NTU		1		06/26/19 11:06		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:12	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:12	7440-38-2	
Barium	287	ug/L	200	1	07/09/19 10:00	07/10/19 22:12	7440-39-3	
Boron	67.5	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:12	7440-42-8	
Calcium	116000	ug/L	200	1	07/09/19 10:00	07/10/19 22:12	7440-70-2	
Iron	1640	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:12	7439-89-6	
Magnesium	23800	ug/L	200	1	07/09/19 10:00	07/10/19 22:12	7439-95-4	
Manganese	49.3	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:12	7439-96-5	
Potassium	5070	ug/L	5000	1	07/09/19 10:00	07/10/19 22:12	7440-09-7	
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:12	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	392	mg/L	1.0	1		07/09/19 02:52		
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B	350	mg/L	5.0	1		07/11/19 17:42		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	386	mg/L	20.0	1		07/01/19 10:06		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	<10.0	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:16		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	<2.0	mg/L	2.0	1		07/10/19 02:26	16887-00-6	
Sulfate	21.0	mg/L	5.0	1		07/10/19 02:26	14808-79-8	
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	0.37	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:00	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	0.36	mg/L	0.050	1		06/27/19 22:17	14797-55-8	
Nitrate-Nitrite (as N)	0.36	mg/L	0.050	1		06/27/19 22:17	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:04	14797-65-0	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441008	Collected: 06/26/19 11:06	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 15:53	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0	
Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0	
Total Organic Carbon	1.9	mg/L	1.0	1		07/02/19 22:13	7440-44-0	
Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0	
Mean Total Organic Carbon	1.8	mg/L	1.0	1		07/02/19 22:13	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441009	Collected: 06/26/19 11:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	6.99	Std. Units		1		06/26/19 11:01		
Field Temperature	14.3	deg C		1		06/26/19 11:01		
Field Specific Conductance	1720	umhos/cm		1		06/26/19 11:01		
REDOX	-19	mV		1		06/26/19 11:01		
Field Turbidity	109	NTU		1		06/26/19 11:01		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:28	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:28	7440-38-2	
Barium	275	ug/L	200	1	07/09/19 10:00	07/10/19 22:28	7440-39-3	
Boron	828	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:28	7440-42-8	
Calcium	125000	ug/L	200	1	07/09/19 10:00	07/10/19 22:28	7440-70-2	M1
Iron	16600	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:28	7439-89-6	
Magnesium	65400	ug/L	200	1	07/09/19 10:00	07/10/19 22:28	7439-95-4	
Manganese	505	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:28	7439-96-5	
Potassium	13800	ug/L	5000	1	07/09/19 10:00	07/10/19 22:28	7440-09-7	
Sodium	179000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:28	7440-23-5	M1
6010 MET ICP, Dissolved		Analytical Method: EPA 6010C						
Antimony, Dissolved	<60.0	ug/L	60.0	1		07/03/19 14:09	7440-36-0	
Arsenic, Dissolved	<10.0	ug/L	10.0	1		07/03/19 14:09	7440-38-2	
Barium, Dissolved	219	ug/L	200	1		07/03/19 14:09	7440-39-3	
Cadmium, Dissolved	<2.5	ug/L	2.5	1		07/03/19 14:09	7440-43-9	
Iron, Dissolved	858	ug/L	20.0	1		07/03/19 14:09	7439-89-6	
Magnesium, Dissolved	58300	ug/L	200	1		07/03/19 14:09	7439-95-4	
Manganese, Dissolved	419	ug/L	10.0	1		07/03/19 14:09	7439-96-5	
Potassium, Dissolved	13700	ug/L	5000	1		07/03/19 14:09	7440-09-7	
Sodium, Dissolved	164000	ug/L	5000	1		07/03/19 14:09	7440-23-5	
2320B Alkalinity		Analytical Method: SM22 2320B						
Alkalinity, Total as CaCO3	863	mg/L	1.0	1		07/09/19 03:24		M1
2340C Hardness, Total		Analytical Method: SM22 2340C						
Tot Hardness asCaCO3 (SM 2340B)	520	mg/L	5.0	1		07/11/19 18:00		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	928	mg/L	20.0	1		07/01/19 10:07		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	27.8	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:16		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	63.0	mg/L	10.0	5		07/11/19 10:36	16887-00-6	
Sulfate	35.3	mg/L	5.0	1		07/10/19 02:43	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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KR Apple
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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441009	Collected: 06/26/19 11:01	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	4.4	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:02	7727-37-9	M1
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2						
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:18	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:18	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2						
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:08	14797-65-0	M1
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	3.1	mg/L	0.10	1		07/11/19 15:54	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Total Organic Carbon	8.8	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	
Mean Total Organic Carbon	8.9	mg/L	1.0	1		07/02/19 22:30	7440-44-0	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441010		Collected: 06/26/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.23	Std. Units		1		06/26/19 09:31			
Field Temperature	15.3	deg C		1		06/26/19 09:31			
Field Specific Conductance	758	umhos/cm		1		06/26/19 09:31			
REDOX	-68	mV		1		06/26/19 09:31			
Field Turbidity	758	NTU		1		06/26/19 09:31			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 22:57	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:57	7440-38-2		
Barium	421	ug/L	200	1	07/09/19 10:00	07/10/19 22:57	7440-39-3		
Boron	68.8	ug/L	50.0	1	07/09/19 10:00	07/10/19 22:57	7440-42-8		
Calcium	120000	ug/L	200	1	07/09/19 10:00	07/10/19 22:57	7440-70-2		
Iron	2890	ug/L	20.0	1	07/09/19 10:00	07/10/19 22:57	7439-89-6		
Magnesium	30100	ug/L	200	1	07/09/19 10:00	07/10/19 22:57	7439-95-4		
Manganese	1020	ug/L	10.0	1	07/09/19 10:00	07/10/19 22:57	7439-96-5		
Potassium	7670	ug/L	5000	1	07/09/19 10:00	07/10/19 22:57	7440-09-7		
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 22:57	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	396	mg/L	1.0	1		07/09/19 04:46			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	340	mg/L	5.0	1		07/11/19 18:18			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	376	mg/L	20.0	1		07/01/19 10:20			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	16.8	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	<2.0	mg/L	2.0	1		07/10/19 03:33	16887-00-6		
Sulfate	8.9	mg/L	5.0	1		07/10/19 03:33	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	2.7	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:05	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	1.3	mg/L	0.050	1		06/27/19 22:24	14797-55-8		
Nitrate-Nitrite (as N)	1.3	mg/L	0.050	1		06/27/19 22:24	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:12	14797-65-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441010		Collected: 06/26/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	1.1	mg/L	0.10	1		07/11/19 16:00	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Total Organic Carbon	3.7	mg/L	1.0	1		07/02/19 23:32	7440-44-0		
Mean Total Organic Carbon	3.6	mg/L	1.0	1		07/02/19 23:32	7440-44-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441011		Collected: 06/26/19 09:23		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	7.22	Std. Units			1		06/26/19 09:23		
Field Temperature	12.8	deg C			1		06/26/19 09:23		
Field Specific Conductance	2050	umhos/cm			1		06/26/19 09:23		
REDOX	-155	mV			1		06/26/19 09:23		
Field Turbidity	41.7	NTU			1		06/26/19 09:23		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:02	7440-36-0		
Arsenic	49.7	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:02	7440-38-2		
Barium	1830	ug/L	200	1	07/09/19 10:00	07/10/19 23:02	7440-39-3		
Boron	851	ug/L	50.0	1	07/09/19 10:00	07/10/19 23:02	7440-42-8		
Calcium	195000	ug/L	200	1	07/09/19 10:00	07/10/19 23:02	7440-70-2		
Iron	21100	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:02	7439-89-6		
Magnesium	86700	ug/L	200	1	07/09/19 10:00	07/10/19 23:02	7439-95-4		
Manganese	230	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:02	7439-96-5		
Potassium	8740	ug/L	5000	1	07/09/19 10:00	07/10/19 23:02	7440-09-7		
Sodium	171000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:02	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	833	mg/L	1.0	1		07/09/19 05:17			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	700	mg/L	5.0	1		07/11/19 18:20			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	1270	mg/L	20.0	1		07/01/19 10:20			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	127	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	387	mg/L	2.0	1		07/10/19 03:50	16887-00-6		
Sulfate	6.0	mg/L	5.0	1		07/10/19 03:50	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	3.0	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:07	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:25	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:25	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:15	14797-65-0		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441011		Collected: 06/26/19 09:23		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	0.31	mg/L	0.10	1		07/11/19 16:01	7664-41-7		
9060A TOC as NPOC		Analytical Method: EPA 9060A							
Total Organic Carbon	38.4	mg/L	1.0	1		07/02/19 23:51	7440-44-0		
Total Organic Carbon	38.6	mg/L	1.0	1		07/02/19 23:51	7440-44-0		
Total Organic Carbon	39.0	mg/L	1.0	1		07/02/19 23:51	7440-44-0		
Total Organic Carbon	38.9	mg/L	1.0	1		07/02/19 23:51	7440-44-0		
Mean Total Organic Carbon	38.7	mg/L	1.0	1		07/02/19 23:51	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441012		Collected: 06/26/19 12:27		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.04	Std. Units		1		06/26/19 12:27			
Field Temperature	13.8	deg C		1		06/26/19 12:27			
Field Specific Conductance	383	umhos/cm		1		06/26/19 12:27			
REDOX	-13	mV		1		06/26/19 12:27			
Field Turbidity	46	NTU		1		06/26/19 12:27			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:08	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:08	7440-38-2		
Barium	254	ug/L	200	1	07/09/19 10:00	07/10/19 23:08	7440-39-3		
Boron	<50.0	ug/L	50.0	1	07/09/19 10:00	07/10/19 23:08	7440-42-8		
Calcium	74800	ug/L	200	1	07/09/19 10:00	07/10/19 23:08	7440-70-2		
Iron	1910	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:08	7439-89-6		
Magnesium	9810	ug/L	200	1	07/09/19 10:00	07/10/19 23:08	7439-95-4		
Manganese	383	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:08	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:08	7440-09-7		
Sodium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:08	7440-23-5		
2320B Alkalinity		Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	218	mg/L	1.0	1		07/09/19 05:28			
2340C Hardness, Total		Analytical Method: SM22 2340C							
Tot Hardness asCaCO3 (SM 2340B	90.0	mg/L	5.0	1		07/11/19 18:22			
2540C Total Dissoived Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	254	mg/L	10.0	1		07/01/19 10:21			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	32.2	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	3.7	mg/L	2.0	1		07/10/19 04:06	16887-00-6		
Sulfate	9.8	mg/L	5.0	1		07/10/19 04:06	14808-79-8		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	0.57	mg/L	0.10	1	07/11/19 05:54	07/11/19 13:08	7727-37-9		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:26	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:26	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:16	14797-65-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441012	Collected: 06/26/19 12:27	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H						
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/11/19 16:02	7664-41-7	
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Total Organic Carbon	7.6	mg/L	1.0	1		07/03/19 00:08	7440-44-0	
Total Organic Carbon	7.8	mg/L	1.0	1		07/03/19 00:08	7440-44-0	
Total Organic Carbon	7.8	mg/L	1.0	1		07/03/19 00:08	7440-44-0	
Total Organic Carbon	7.7	mg/L	1.0	1		07/03/19 00:08	7440-44-0	
Mean Total Organic Carbon	7.7	mg/L	1.0	1		07/03/19 00:08	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-X *GW-SR* Lab ID: 7095441013 Collected: 06/26/19 09:45 Received: 06/27/19 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3005A								
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:13	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:13	7440-38-2	
Barium	14400	ug/L	200	1	07/09/19 10:00	07/10/19 23:13	7440-39-3	
Boron	645	ug/L	50.0	1	07/09/19 10:00	07/10/19 23:13	7440-42-8	
Calcium	252000	ug/L	200	1	07/09/19 10:00	07/10/19 23:13	7440-70-2	
Iron	22700	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:13	7439-89-6	
Magnesium	94200	ug/L	200	1	07/09/19 10:00	07/10/19 23:13	7439-95-4	
Manganese	460	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:13	7439-96-5	
Potassium	18500	ug/L	5000	1	07/09/19 10:00	07/10/19 23:13	7440-09-7	
Sodium	382000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:13	7440-23-5	
2320B Alkalinity Analytical Method: SM22 2320B								
Alkalinity, Total as CaCO3	1280	mg/L	5.0	1		07/09/19 18:28		
2340C Hardness, Total Analytical Method: SM22 2340C								
Tot Hardness asCaCO3 (SM 2340B)	900	mg/L	5.0	1		07/11/19 18:29		
2540C Total Dissolved Solids Analytical Method: SM22 2540C								
Total Dissolved Solids	1800	mg/L	20.0	1		07/01/19 10:21		
410.4 COD Analytical Method: EPA 410.4 Preparation Method: EPA 410.4								
Chemical Oxygen Demand	169	mg/L	10.0	1	07/09/19 09:02	07/09/19 11:17		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0								
Chloride	464	mg/L	40.0	20		07/10/19 21:46	16887-00-6	
Sulfate	<5.0	mg/L	5.0	1		07/10/19 04:23	14808-79-8	
351.2 Total Kjeldahl Nitrogen Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	12.8	mg/L	0.50	5	07/11/19 05:54	07/11/19 13:34	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres Analytical Method: EPA 353.2								
Nitrate as N	<0.050	mg/L	0.050	1		06/27/19 22:30	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		06/27/19 22:30	7727-37-9	
353.2 Nitrogen, NO2 Analytical Method: EPA 353.2								
Nitrite as N	<0.050	mg/L	0.050	1		06/27/19 20:18	14797-65-0	
4500 Ammonia Water Analytical Method: SM22 4500 NH3 H								
Nitrogen, Ammonia	7.6	mg/L	0.50	5		07/11/19 17:17	7664-41-7	
9060A TOC as NPOC Analytical Method: EPA 9060A								
Total Organic Carbon	49.7	mg/L	1.0	1		07/03/19 00:26	7440-44-0	
Total Organic Carbon	50.2	mg/L	1.0	1		07/03/19 00:26	7440-44-0	
Total Organic Carbon	49.9	mg/L	1.0	1		07/03/19 00:26	7440-44-0	
Total Organic Carbon	50.1	mg/L	1.0	1		07/03/19 00:26	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-X <i>GW-5R</i>		Lab ID: 7095441013	Collected: 06/26/19 09:45	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9060A TOC as NPOC		Analytical Method: EPA 9060A						
Mean Total Organic Carbon	50.0	mg/L	1.0	1		07/03/19 00:26	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-1S

Lab Sample ID: 420-157149-1

Lab Name: EnviroTest Laboratories, Inc.

Job No.: 420-157149-1

SDG ID.: 7095441

Matrix: Water

Date Sampled: 06/26/2019 11:37

Reporting Basis: WET

Date Received: 07/18/2019 08:55

% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	GW-2S	Lab Sample ID:	420-156225-1
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-156225-1
SDG ID.:	7095441		
Matrix:	Water	Date Sampled:	06/26/2019 12:26
Reporting Basis:	WET	Date Received:	07/02/2019 09:30
% Solids:			

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-3S Lab Sample ID: 420-156225-2
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 12:04
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-3R	Lab Sample ID: 420-156225-3
Lab Name: EnviroTest Laboratories, Inc.	Job No.: 420-156225-1
SDG ID.: 7095441	
Matrix: Water	Date Sampled: 06/26/2019 12:11
Reporting Basis: WET	Date Received: 07/02/2019 09:30

% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-4R	Lab Sample ID: 420-156225-4
Lab Name: EnviroTest Laboratories, Inc.	Job No.: 420-156225-1
SDG ID.: 7095441	
Matrix: Water	Date Sampled: 06/26/2019 10:17
Reporting Basis: WET	Date Received: 07/02/2019 09:30
% Solids:	

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-5S Lab Sample ID: 420-156225-5
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 10:01
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-5R	Lab Sample ID: 420-156225-6
Lab Name: EnviroTest Laboratories, Inc.	Job No.: 420-156225-1
SDG ID.: 7095441	
Matrix: Water	Date Sampled: 06/26/2019 09:45
Reporting Basis: WET	Date Received: 07/02/2019 09:30
% Solids:	

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-6S Lab Sample ID: 420-156225-7
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 11:06
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-6R Lab Sample ID: 420-156225-8
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 11:01
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-7S Lab Sample ID: 420-156225-9
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 09:31
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-7R Lab Sample ID: 420-156225-10
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 09:23
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GW-9R Lab Sample ID: 420-156225-11
Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-156225-1
SDG ID.: 7095441
Matrix: Water Date Sampled: 06/26/2019 12:27
Reporting Basis: WET Date Received: 07/02/2019 09:30
% Solids:

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

Client Sample ID:	GW-X	Lab Sample ID:	420-156225-12
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-156225-1
SDG ID.:	7095441		
Matrix:	Water	Date Sampled:	06/26/2019 09:45
Reporting Basis:	WET	Date Received:	07/02/2019 09:30
% Solids:			

CAS No.	Analyte	Conc.	RL	Units	C	Q	DIL	Method
TOTPHEN	Phenolics, Total Recoverable	0.010	0.010	mg/L	U		1	EPA 420.4 Rev.1

ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441014	Collected: 06/25/19 12:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>us</i>	ug/L	5.0	1		07/06/19 17:58	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:58	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:58	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-27-4	
Bromoform	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 17:58	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:58	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:58	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:58	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:58	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:58	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:58	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:58	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:58	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:58	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 17:58	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:58	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:58	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:58	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:58	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:58	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:58	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:58	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:58	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:58	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:58	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:58	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 17:58	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:58	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-1S		Lab ID: 7095441014		Collected: 06/25/19 12:01		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		129	%	68-153	1		07/06/19 17:58	17060-07-0	
4-Bromofluorobenzene (S)		93	%	79-124	1		07/06/19 17:58	460-00-4	
Toluene-d8 (S)		94	%	69-124	1		07/06/19 17:58	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441015	Collected: 06/25/19 10:40	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>MS</i>	ug/L	5.0	1		07/06/19 17:39	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:39	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:39	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-27-4	
Bromoform	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 17:39	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:39	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:39	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:39	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:39	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:39	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:39	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:39	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:39	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:39	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 17:39	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:39	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:39	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:39	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:39	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:39	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:39	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:39	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:39	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:39	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:39	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:39	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 17:39	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:39	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-2S		Lab ID: 7095441015		Collected: 06/25/19 10:40		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		125	%	68-153	1		07/06/19 17:39	17060-07-0	
4-Bromofluorobenzene (S)		95	%	79-124	1		07/06/19 17:39	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 17:39	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441016	Collected: 06/25/19 10:10	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>us</i>	ug/L	5.0	1		07/06/19 17:20	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:20	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:20	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-27-4	
Bromoform	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 17:20	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:20	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:20	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:20	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:20	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:20	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:20	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:20	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:20	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:20	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 17:20	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:20	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:20	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:20	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:20	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:20	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	630-20-6	
1,1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:20	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:20	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:20	79-00-5	
Trichloroethene	2.9	ug/L	1.0	1		07/06/19 17:20	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:20	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:20	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:20	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 17:20	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:20	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-3S		Lab ID: 7095441016		Collected: 06/25/19 10:10		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		127	%	68-153	1		07/06/19 17:20	17060-07-0	
4-Bromofluorobenzene (S)		95	%	79-124	1		07/06/19 17:20	460-00-4	
Toluene-d8 (S)		96	%	69-124	1		07/06/19 17:20	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441017	Collected: 06/25/19 10:15	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>u5</i>	ug/L	5.0	1		07/06/19 17:00	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 17:00	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 17:00	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-27-4	
Bromoform	<1.0 <i>u5</i>	ug/L	1.0	1		07/06/19 17:00	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 17:00	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 17:00	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 17:00	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 17:00	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 17:00	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 17:00	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 17:00	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	75-35-4	
cis-1,2-Dichloroethene	1.5	ug/L	1.0	1		07/06/19 17:00	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:00	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 17:00	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>u5</i>	ug/L	1.0	1		07/06/19 17:00	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 17:00	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 17:00	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 17:00	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 17:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 17:00	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 17:00	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 17:00	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 17:00	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 17:00	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 17:00	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 17:00	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 17:00	108-05-4	
Vinyl chloride	3.4	ug/L	1.0	1		07/06/19 17:00	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 17:00	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-3R		Lab ID: 7095441017		Collected: 06/25/19 10:15		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 17:00	17060-07-0	
4-Bromofluorobenzene (S)		94	%	79-124	1		07/06/19 17:00	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 17:00	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441018	Collected: 06/25/19 09:15	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>MS</i>	ug/L	5.0	1		07/06/19 16:41	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 16:41	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 16:41	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-27-4	
Bromoform	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 16:41	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 16:41	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 16:41	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 16:41	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 16:41	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 16:41	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 16:41	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 16:41	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:41	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:41	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 16:41	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 16:41	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 16:41	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 16:41	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 16:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 16:41	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 16:41	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 16:41	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:41	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:41	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 16:41	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:41	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 16:41	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 16:41	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 16:41	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-4R		Lab ID: 7095441018		Collected: 06/25/19 09:15		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		125	%	68-153	1		07/06/19 16:41	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 16:41	460-00-4	
Toluene-d8 (S)		94	%	69-124	1		07/06/19 16:41	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441019	Collected: 06/25/19 09:48	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>MS</i>	ug/L	5.0	1		07/06/19 16:22	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 16:22	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 16:22	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-27-4	
Bromoform	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 16:22	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 16:22	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 16:22	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 16:22	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 16:22	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 16:22	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 16:22	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 16:22	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:22	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:22	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 16:22	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 16:22	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 16:22	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 16:22	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 16:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 16:22	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 16:22	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 16:22	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:22	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:22	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 16:22	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:22	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 16:22	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 16:22	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 16:22	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5S		Lab ID: 7095441019		Collected: 06/25/19 09:48		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		127	%	68-153	1		07/06/19 16:22	17060-07-0	
4-Bromofluorobenzene (S)		96	%	79-124	1		07/06/19 16:22	460-00-4	
Toluene-d8 (S)		93	%	69-124	1		07/06/19 16:22	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441020	Collected: 06/25/19 09:31	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>u</i>	ug/L	5.0	1		07/06/19 16:02	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 16:02	107-13-1	
Benzene	6.7	ug/L	1.0	1		07/06/19 16:02	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	75-27-4	
Bromoform	<1.0 <i>u</i>	ug/L	1.0	1		07/06/19 16:02	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 16:02	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 16:02	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 16:02	56-23-5	
Chlorobenzene	4.8	ug/L	1.0	1		07/06/19 16:02	108-90-7	
Chloroethane	24.0	ug/L	1.0	1		07/06/19 16:02	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 16:02	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 16:02	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 16:02	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:02	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 16:02	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 16:02	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:02	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 16:02	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>u</i>	ug/L	1.0	1		07/06/19 16:02	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 16:02	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 16:02	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 16:02	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 16:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 16:02	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 16:02	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 16:02	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 16:02	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 16:02	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 16:02	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 16:02	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 16:02	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 16:02	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 16:02	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-5R		Lab ID: 7095441020		Collected: 06/25/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 16:02	17060-07-0	
4-Bromofluorobenzene (S)		102	%	79-124	1		07/06/19 16:02	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 16:02	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441021	Collected: 06/25/19 11:04	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>us</i>	ug/L	5.0	1		07/06/19 15:43	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 15:43	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 15:43	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-27-4	
Bromoform	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 15:43	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 15:43	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 15:43	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 15:43	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 15:43	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 15:43	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 15:43	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 15:43	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:43	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:43	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>us</i>	ug/L	1.0	1		07/06/19 15:43	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 15:43	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 15:43	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 15:43	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 15:43	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 15:43	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 15:43	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:43	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:43	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 15:43	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:43	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 15:43	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 15:43	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 15:43	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-6S		Lab ID: 7095441021	Collected: 06/25/19 11:04	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Surrogates								
1,2-Dichloroethane-d4 (S)	126	%	68-153	1		07/06/19 15:43	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-124	1		07/06/19 15:43	460-00-4	
Toluene-d8 (S)	96	%	69-124	1		07/06/19 15:43	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441022	Collected: 06/25/19 11:07	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>u5</i>	ug/L	5.0	1		07/06/19 15:23	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 15:23	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 15:23	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-27-4	M1
Bromoform	<1.0 <i>u5</i>	ug/L	1.0	1		07/06/19 15:23	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 15:23	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 15:23	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 15:23	56-23-5	M1
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 15:23	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 15:23	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 15:23	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 15:23	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:23	75-35-4	
cis-1,2-Dichloroethene	14.5	ug/L	1.0	1		07/06/19 15:23	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:23	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:23	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:23	10061-01-5	M1
trans-1,3-Dichloropropene	<1.0 <i>u5</i>	ug/L	1.0	1		07/06/19 15:23	10061-02-6	L1,M0
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 15:23	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 15:23	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 15:23	74-88-4	R1
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 15:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 15:23	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 15:23	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 15:23	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 15:23	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	71-55-6	M1
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:23	79-00-5	
Trichloroethene	10.5	ug/L	1.0	1		07/06/19 15:23	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 15:23	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:23	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 15:23	108-05-4	
Vinyl chloride	4.0	ug/L	1.0	1		07/06/19 15:23	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 15:23	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-6R		Lab ID: 7095441022		Collected: 06/25/19 11:07		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		124	%	68-153	1		07/06/19 15:23	17060-07-0	
4-Bromofluorobenzene (S)		99	%	79-124	1		07/06/19 15:23	460-00-4	
Toluene-d8 (S)		96	%	69-124	1		07/06/19 15:23	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441023	Collected: 06/25/19 11:25	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>MS</i>	ug/L	5.0	1		07/06/19 15:03	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 15:03	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 15:03	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-27-4	
Bromoform	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 15:03	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 15:03	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 15:03	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 15:03	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 15:03	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 15:03	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 15:03	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 15:03	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:03	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 15:03	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>MS</i>	ug/L	1.0	1		07/06/19 15:03	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 15:03	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 15:03	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 15:03	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 15:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 15:03	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 15:03	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 15:03	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 15:03	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 15:03	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 15:03	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 15:03	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 15:03	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 15:03	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 15:03	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7S		Lab ID: 7095441023		Collected: 06/25/19 11:25		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		124	%	68-153	1		07/06/19 15:03	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 15:03	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 15:03	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL

Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441024	Collected: 06/25/19 11:16	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	8.1 <i>J</i>	ug/L	5.0	1		07/06/19 14:44	67-64-1	CH
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 14:44	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 14:44	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	75-27-4	
Bromoform	<1.0 <i>uJ</i>	ug/L	1.0	1		07/06/19 14:44	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 14:44	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 14:44	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 14:44	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	108-90-7	
Chloroethane	2.8	ug/L	1.0	1		07/06/19 14:44	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 14:44	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 14:44	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 14:44	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 14:44	110-57-6	
1,1-Dichloroethane	6.6	ug/L	1.0	1		07/06/19 14:44	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:44	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:44	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>uJ</i>	ug/L	1.0	1		07/06/19 14:44	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 14:44	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 14:44	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 14:44	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 14:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 14:44	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 14:44	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 14:44	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:44	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:44	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 14:44	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:44	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 14:44	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 14:44	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 14:44	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-7R		Lab ID: 7095441024		Collected: 06/25/19 11:16		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 14:44	17060-07-0	
4-Bromofluorobenzene (S)		97	%	79-124	1		07/06/19 14:44	460-00-4	
Toluene-d8 (S)		94	%	69-124	1		07/06/19 14:44	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441025	Collected: 06/25/19 13:10	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 <i>uS</i>	ug/L	5.0	1		07/06/19 14:24	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 14:24	107-13-1	
Benzene	<1.0	ug/L	1.0	1		07/06/19 14:24	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-27-4	
Bromoform	<1.0 <i>uS</i>	ug/L	1.0	1		07/06/19 14:24	75-25-2	CL,L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 14:24	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 14:24	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 14:24	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 14:24	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 14:24	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 14:24	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 14:24	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:24	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:24	10061-01-5	
trans-1,3-Dichloropropene	<1.0 <i>uS</i>	ug/L	1.0	1		07/06/19 14:24	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 14:24	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 14:24	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 14:24	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 14:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 14:24	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 14:24	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 14:24	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:24	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:24	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 14:24	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:24	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 14:24	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 14:24	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 14:24	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-9R		Lab ID: 7095441025		Collected: 06/25/19 13:10		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		122	%	68-153	1		07/06/19 14:24	17060-07-0	
4-Bromofluorobenzene (S)		94	%	79-124	1		07/06/19 14:24	460-00-4	
Toluene-d8 (S)		95	%	69-124	1		07/06/19 14:24	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-X		Lab ID: 7095441026	Collected: 06/25/19 09:31	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	16.3	ug/L	5.0	1		07/06/19 14:05	67-64-1	CH
Acrylonitrile	<1.0	ug/L	1.0	1		07/06/19 14:05	107-13-1	
Benzene	7.3	ug/L	1.0	1		07/06/19 14:05	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/06/19 14:05	75-25-2	CL, L2
Bromomethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/06/19 14:05	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		07/06/19 14:05	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/06/19 14:05	56-23-5	
Chlorobenzene	5.1	ug/L	1.0	1		07/06/19 14:05	108-90-7	
Chloroethane	25.6	ug/L	1.0	1		07/06/19 14:05	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/06/19 14:05	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-87-3	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		07/06/19 14:05	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/06/19 14:05	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:05	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/06/19 14:05	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/06/19 14:05	110-57-6	
1,1-Dichloroethane	1.0	ug/L	1.0	1		07/06/19 14:05	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:05	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:05	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/06/19 14:05	10061-02-6	L1
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/19 14:05	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/06/19 14:05	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/06/19 14:05	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/06/19 14:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/06/19 14:05	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/06/19 14:05	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/06/19 14:05	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/06/19 14:05	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/06/19 14:05	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/06/19 14:05	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/06/19 14:05	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/06/19 14:05	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/06/19 14:05	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/19 14:05	1330-20-7	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL
Pace Project No.: 7095441

Sample: GW-X		Lab ID: 7095441026		Collected: 06/25/19 09:31		Received: 06/27/19 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)		121	%	68-153	1		07/06/19 14:05	17060-07-0	
4-Bromofluorobenzene (S)		101	%	79-124	1		07/06/19 14:05	460-00-4	
Toluene-d8 (S)		93	%	69-124	1		07/06/19 14:05	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Sample: SW-1		Lab ID: 7095500001	Collected: 06/26/19 11:51	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:						
Field pH	8.08	Std. Units		1		06/26/19 11:51		
Field Temperature	22.8	deg C		1		06/26/19 11:51		
Field Specific Conductance	1021	umhos/cm		1		06/26/19 11:51		
Oxygen, Dissolved	9.8	mg/L		1		06/26/19 11:51	7782-44-7	
REDOX	-73	mV		1		06/26/19 11:51		
Field Turbidity	4.38	NTU		1		06/26/19 11:51		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A						
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:19	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:19	7440-38-2	
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 23:19	7440-39-3	
Calcium	88300 J	ug/L	200	1	07/09/19 10:00	07/10/19 23:19	7440-70-2	
Iron	2580	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:19	7439-89-6	
Magnesium	18200	ug/L	200	1	07/09/19 10:00	07/10/19 23:19	7439-95-4	
Manganese	428	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:19	7439-96-5	
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:19	7440-09-7	
Sodium	93800 J	ug/L	5000	1	07/09/19 10:00	07/10/19 23:19	7440-23-5	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0 J	ug/L	5.0	1	07/05/19 20:50	07/05/19 20:50	67-64-1	
Acrylonitrile	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	107-13-1	
Benzene	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	71-43-2	
Bromochloromethane	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	75-27-4	
Bromoform	<1.0 J	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	75-25-2	CL
Bromomethane	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1	07/05/19 20:50	07/05/19 20:50	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	75-00-3	
Chloroform	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	67-66-3	
Chloromethane	<1.0 J	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	74-87-3	CL
1,2-Dibromo-3-chloropropane	<1.0 J	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	96-12-8	CL,L2
Dibromochloromethane	<1.0 J	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	95-50-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0 J	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	110-57-6	CL,L2
1,1-Dichloroethane	<1.0 J	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	75-34-3	CL,L2
1,2-Dichloroethane	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1	07/05/19 20:50	07/05/19 20:50	78-87-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Sample: SW-1		Lab ID: 7095500001	Collected: 06/26/19 11:51	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 20:50	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 20:50	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		07/05/19 20:50	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/05/19 20:50	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/05/19 20:50	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/05/19 20:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/05/19 20:50	108-10-1	L2
Styrene	<1.0	ug/L	1.0	1		07/05/19 20:50	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	630-20-6	L1
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/05/19 20:50	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 20:50	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/05/19 20:50	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/05/19 20:50	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/05/19 20:50	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/05/19 20:50	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/05/19 20:50	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		07/05/19 20:50	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		07/05/19 20:50	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		07/05/19 20:50	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		07/05/19 20:50	2037-26-5	

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM
Pace Project No.: 7095500

Sample: SEEP		Lab ID: 7095500002		Collected: 06/26/19 12:54		Received: 06/27/19 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field pH	7.97	Std. Units		1		06/26/19 12:54			
Field Temperature	23.6	deg C		1		06/26/19 12:54			
Field Specific Conductance	624	umhos/cm		1		06/26/19 12:54			
Oxygen, Dissolved	10.9	mg/L		1		06/26/19 12:54	7782-44-7		
REDOX	-98	mV		1		06/26/19 12:54			
Field Turbidity	24.8	NTU		1		06/26/19 12:54			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A							
Antimony	<60.0	ug/L	60.0	1	07/09/19 10:00	07/10/19 23:35	7440-36-0		
Arsenic	<10.0	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:35	7440-38-2		
Barium	<200	ug/L	200	1	07/09/19 10:00	07/10/19 23:35	7440-39-3		
Calcium	91900 J	ug/L	200	1	07/09/19 10:00	07/10/19 23:35	7440-70-2		
Iron	1090	ug/L	20.0	1	07/09/19 10:00	07/10/19 23:35	7439-89-6		
Magnesium	19000	ug/L	200	1	07/09/19 10:00	07/10/19 23:35	7439-95-4		
Manganese	240	ug/L	10.0	1	07/09/19 10:00	07/10/19 23:35	7439-96-5		
Potassium	<5000	ug/L	5000	1	07/09/19 10:00	07/10/19 23:35	7440-09-7		
Sodium	101000 J	ug/L	5000	1	07/09/19 10:00	07/10/19 23:35	7440-23-5		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0 J	ug/L	5.0	1		07/05/19 21:10	67-64-1		
Acrylonitrile	<1.0	ug/L	1.0	1		07/05/19 21:10	107-13-1		
Benzene	<1.0	ug/L	1.0	1		07/05/19 21:10	71-43-2		
Bromochloromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-27-4		
Bromoform	<1.0 J	ug/L	1.0	1		07/05/19 21:10	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/05/19 21:10	78-93-3	IL	
Carbon disulfide	<1.0	ug/L	1.0	1		07/05/19 21:10	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/05/19 21:10	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		07/05/19 21:10	67-66-3		
Chloromethane	<1.0 HPLC	ug/L	1.0	1		07/05/19 21:10	74-87-3	CL	
1,2-Dibromo-3-chloropropane	<1.0 HPLC	ug/L	1.0	1		07/05/19 21:10	96-12-8	CL,L2	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/05/19 21:10	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	95-50-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0 HPLC	ug/L	1.0	1		07/05/19 21:10	110-57-6	CL,L2	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-34-3	CL,L2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/05/19 21:10	78-87-5		

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ANALYTICAL RESULTS

Project: BROCKPORT LANDFILL LONG TERM

Pace Project No.: 7095500

Sample: SEEP		Lab ID: 7095500002	Collected: 06/26/19 12:54	Received: 06/27/19 11:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 21:10	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/05/19 21:10	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		07/05/19 21:10	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/05/19 21:10	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		07/05/19 21:10	74-88-4	
Methylene Chloride	<1.0	ug/L	1.0	1		07/05/19 21:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/05/19 21:10	108-10-1	L2
Styrene	<1.0	ug/L	1.0	1		07/05/19 21:10	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	630-20-6	L1
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/05/19 21:10	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/05/19 21:10	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/05/19 21:10	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		07/05/19 21:10	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/05/19 21:10	96-18-4	
Vinyl acetate	<1.0	ug/L	1.0	1		07/05/19 21:10	108-05-4	
Vinyl chloride	<1.0	ug/L	1.0	1		07/05/19 21:10	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		07/05/19 21:10	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	68-153	1		07/05/19 21:10	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		07/05/19 21:10	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		07/05/19 21:10	2037-26-5	

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Environment Testing
TestAmerica

ANALYTICAL REPORT

Job Number: 320-51811-1

SDG Number: 7095477

Job Description: Pace PFAS Testing

For:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747

Attention: Jennifer Aracri

Cesar C Cortes

Approved for release.
Cesar C Cortes
Project Manager I
7/16/2019 9:51 PM

Cesar C Cortes, Project Manager I
880 Riverside Parkway, West Sacramento, CA, 95605
(916)374-4316
cesar.cortes@testamericainc.com
07/16/2019



Receipt

The samples were received on 6/28/2019 at 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

Method 537 modified

The following samples were brown in color and contained brown particulate: GW-1S (320-51811-1), GW-3S (320-51811-2), GW-6R (320-51811-3) and FIELD DUPLICATE (320-51811-5).

The following samples were yellow in color and contained brown particulate: GW-9R (320-51811-4), GW-9R (320-51811-4[MS]), GW-9R (320-51811-4[MSD]).

The following samples contained non-settable particulates which clogged the solid-phase extraction column: GW-1S (320-51811-1), GW-3S (320-51811-2), GW-6R (320-51811-3) and FIELD DUPLICATE (320-51811-5).

Elevated reporting limits are provided for the following samples due to insufficient volume provided: GW-6R (320-51811-3), GW-9R (320-51811-4) and GW-9R (320-51811-4[MS]).

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

Sample Summary

Client: Pace Analytical Services, LLC
Project/Site: Pace PFAS Testing

Job ID: 320-51811-1
SDG: 7095477

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-51811-1	GW-1S	Water	06/26/19 11:37	06/28/19 09:30	
320-51811-2	GW-3S	Water	06/26/19 12:04	06/28/19 09:30	
320-51811-3	GW-6R	Water	06/26/19 11:01	06/28/19 09:30	
320-51811-4	GW-9R	Water	06/26/19 12:27	06/28/19 09:30	
320-51811-5	FIELD DUPLICATE	Water	06/26/19 11:01	06/28/19 09:30	
320-51811-6	EQUIPMENT BLANK	Water	06/26/19 11:47	06/28/19 09:30	

Chain of Custody


PASI New York Laboratory



Workorder: 7095477

Workorder Name: BROCKPORT LANDFILL 6/26

Results Requested By: 7/12/2019

Report/Invoice To		Subcontract To		Requested Analysis	
Jennifer Aracri Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040 Email: jennifer.aracri@pacelabs.com		TA Eurofins-Sacramento 880 Riverside Pkwy West Sacramento, CA 95605 P.O. 7095477JSA		 320-51811 Chain of Custody	
State of Sample Origin: NY				Preserved Containers	
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers
1	GW-15	6/26/2019 11:37	7095477001	Water	2
2	GW-35	6/26/2019 12:04	7095477002	Water	2
3	GW-6R	6/26/2019 11:01	7095477003	Water	2
4	GW-9R	6/26/2019 12:27	7095477004	Water	6
5	FIELD DUPLICATE	6/26/2019 11:01	7095477005	Water	2
6	EQUIPMENT BLANK	6/26/2019 11:47	7095477006	Water	2
Comments					
Transfers	Released By	Date/Time	Received By	Date/Time	
1	WHL - PACELI	6/27/19 18:00	ETA-SAC	6/28/19 930	Need a Category B package w/NY EQUIS EDDs
2					
3					
Cooler Temperature on Receipt 2.6 °C		Custody Seal Y or N		Received on Ice Y or N	
				Samples Intact Y or N	

2.6°C
MAN 6/28/19

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07/16/2019

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 320-51811-1
SDG No.: 7095477
Client Sample ID: GW-1S Lab Sample ID: 320-51811-1
Matrix: Water Lab File ID: 2019.07.03LLC_038.d
Analysis Method: 537 (modified) Date Collected: 06/26/2019 11:37
Extraction Method: 3535 Date Extracted: 07/02/2019 07:30
Sample wt/vol: 249.8(mL) Date Analyzed: 07/04/2019 10:44
Con. Extract Vol.: 10.0(mL) Dilution Factor: 1
Injection Volume: 20(uL) GC Column: GeminiC18 3x100 ID: 3(mm)
% Moisture: GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	0.74	J	2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.04 0.44 J B		2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.04 0.85 J		2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento	Job No.: 320-51811-1
SDG No.: 7095477	
Client Sample ID: GW-3S	Lab Sample ID: 320-51811-2
Matrix: Water	Lab File ID: 2019.07.03LLC_039.d
Analysis Method: 537 (modified)	Date Collected: 06/26/2019 12:04
Extraction Method: 3535	Date Extracted: 07/02/2019 07:30
Sample wt/vol: 247.8 (mL)	Date Analyzed: 07/04/2019 10:52
Con. Extract Vol.: 10.0 (mL)	Dilution Factor: 1
Injection Volume: 20 (uL)	GC Column: GeminiC18 3x100 ID: 3 (mm)
% Moisture:	GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698	Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	7.5		2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.59
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	1.8	J	2.0	0.86
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.85	J	2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.04 0.76	J B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.8	J	2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	6.4	J	20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento	Job No.: 320-51811-1
SDG No.: 7095477	
Client Sample ID: GW-6R	Lab Sample ID: 320-51811-3
Matrix: Water	Lab File ID: 2019.07.03LLC_040.d
Analysis Method: 537 (modified)	Date Collected: 06/26/2019 11:01
Extraction Method: 3535	Date Extracted: 07/02/2019 07:30
Sample wt/vol: 244.5(mL)	Date Analyzed: 07/04/2019 11:00
Con. Extract Vol.: 10.0(mL)	Dilution Factor: 1
Injection Volume: 20(uL)	GC Column: GeminiC18 3x100 ID: 3(mm)
% Moisture:	GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698	Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	40		2.0	0.36
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.50
307-24-4	Perfluorohexanoic acid (PFHxA)	12		2.0	0.59
375-85-9	Perfluoroheptanoic acid	6.1		2.0	0.26
335-67-1	Perfluorooctanoic acid (PFOA)	27		2.0	0.87
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.28
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.32
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.56
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.30
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.7	B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.82	J	2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	36		2.0	0.55
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.33
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.36
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.2
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento	Job No.: 320-51811-1
SDG No.: 7095477	
Client Sample ID: GW-9R	Lab Sample ID: 320-51811-4
Matrix: Water	Lab File ID: 2019.07.03LLC_042.d
Analysis Method: 537 (modified)	Date Collected: 06/26/2019 12:27
Extraction Method: 3535	Date Extracted: 07/02/2019 07:30
Sample wt/vol: 255(mL)	Date Analyzed: 07/04/2019 11:16
Con. Extract Vol.: 10.0(mL)	Dilution Factor: 1
Injection Volume: 20(uL)	GC Column: GeminiC18 3x100 ID: 3(mm)
% Moisture:	GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698	Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	23		2.0	0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.2		2.0	0.48
307-24-4	Perfluorohexanoic acid (PFHxA)	2.9		2.0	0.57
375-85-9	Perfluoroheptanoic acid	2.7		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	5.1		2.0	0.83
375-95-1	Perfluorononanoic acid (PFNA)	0.51	J	2.0	0.26
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.30
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.28	J	2.0	0.28
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.8	J	2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.04	J B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.9	J	2.0	0.53
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.31
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.34
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.0
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

m298/19/16

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 320-51811-1

SDG No.: 7095477

Client Sample ID: FIELD DUPLICATE

Lab Sample ID: 320-51811-5

Matrix: Water

Lab File ID: 2019.07.03LLC_044.d

Analysis Method: 537 (modified)

Date Collected: 06/26/2019 11:01

Extraction Method: 3535

Date Extracted: 07/02/2019 07:30

Sample wt/vol: 248.7(mL)

Date Analyzed: 07/04/2019 11:32

Con. Extract Vol.: 10.0(mL)

Dilution Factor: 1

Injection Volume: 20(uL)

GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture:

GPC Cleanup: (Y/N) N

Analysis Batch No.: 305698

Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	40		2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	12		2.0	0.58
375-85-9	Perfluoroheptanoic acid	5.6		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	26		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	1.0	J	2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	0.81	J	2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.9	J	2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	4.9	B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.96	J	2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	39		2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento	Job No.: 320-51811-1
SDG No.: 7095477	
Client Sample ID: EQUIPMENT BLANK	Lab Sample ID: 320-51811-6
Matrix: Water	Lab File ID: 2019.07.03LLC_045.d
Analysis Method: 537 (modified)	Date Collected: 06/26/2019 11:47
Extraction Method: 3535	Date Extracted: 07/02/2019 07:30
Sample wt/vol: 250.7(mL)	Date Analyzed: 07/04/2019 11:40
Con. Extract Vol.: 10.0(mL)	Dilution Factor: 1
Injection Volume: 20(uL)	GC Column: GeminiC18 3x100 ID: 3(mm)
% Moisture:	GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698	Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	ND		2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.44	J B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.98	J	2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento	Job No.: 320-51811-1
SDG No.: 7095477	
Client Sample ID: _____	Lab Sample ID: MB 320-305096/1-A
Matrix: Water	Lab File ID: 2019.07.03LLC_036.d
Analysis Method: 537 (modified)	Date Collected: _____
Extraction Method: 3535	Date Extracted: 07/02/2019 07:30
Sample wt/vol: 250(mL)	Date Analyzed: 07/04/2019 10:28
Con. Extract Vol.: 10.0(mL)	Dilution Factor: 1
Injection Volume: 20(uL)	GC Column: GeminiC18 3x100 ID: 3(mm)
% Moisture: _____	GPC Cleanup: (Y/N) N
Analysis Batch No.: 305698	Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	ND		2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.319 J		2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2 FTS	ND		20	2.0
39108-34-4	8:2 FTS	ND		20	2.0

APPENDIX E

**EXCEEDANCES OF NYSDOH Part 5
DRINKING WATER STANDARDS**

**Brockport Landfill
June 2019 Sampling Event**

Well I.D.	Parameter	Units	NYSDOH DW Std	Analysis Result
GW-1S	Iron	mg/L	0.3	3.88
GW-2S	Iron	mg/L	0.3	2.72
GW-3S	Iron	mg/L	0.3	7.49
GW-3R	Iron	mg/L	0.3	1.20
	Vinyl chloride	ug/L	2	3.4
GW-4R	Iron	mg/L	0.3	2.2
	Sodium	mg/L	*	1110
	Sodium (filtered)	mg/L	*	987
	Chloride	mg/L	250	2300
GW-5S	Iron	mg/L	0.3	2.26
	Sodium	mg/L	*	380
	Chloride	mg/L	250	663
GW-5R	Barium	mg/L	2	14.7
	Iron	mg/L	0.3	24.7
	Manganese	mg/L	0.3	0.462
	Sodium	mg/L	*	387
	Chloride	mg/L	250	461
	Benzene	ug/L	5	6.7
	Chloroethane	ug/L	5	24.0
GW-5R Duplicate	Barium	mg/L	2	14.4
	Iron	mg/L	0.3	22.7
	Manganese	mg/L	0.3	0.460
	Sodium	mg/L	*	382
	Chloride	mg/L	250	464
	Benzene	ug/L	5	7.3
	Chlorobenzene	ug/L	5	5.1
	Chloroethane	ug/L	5	25.6
GW-6S	Iron	mg/L	0.3	1.64

Exceedances (Continued)

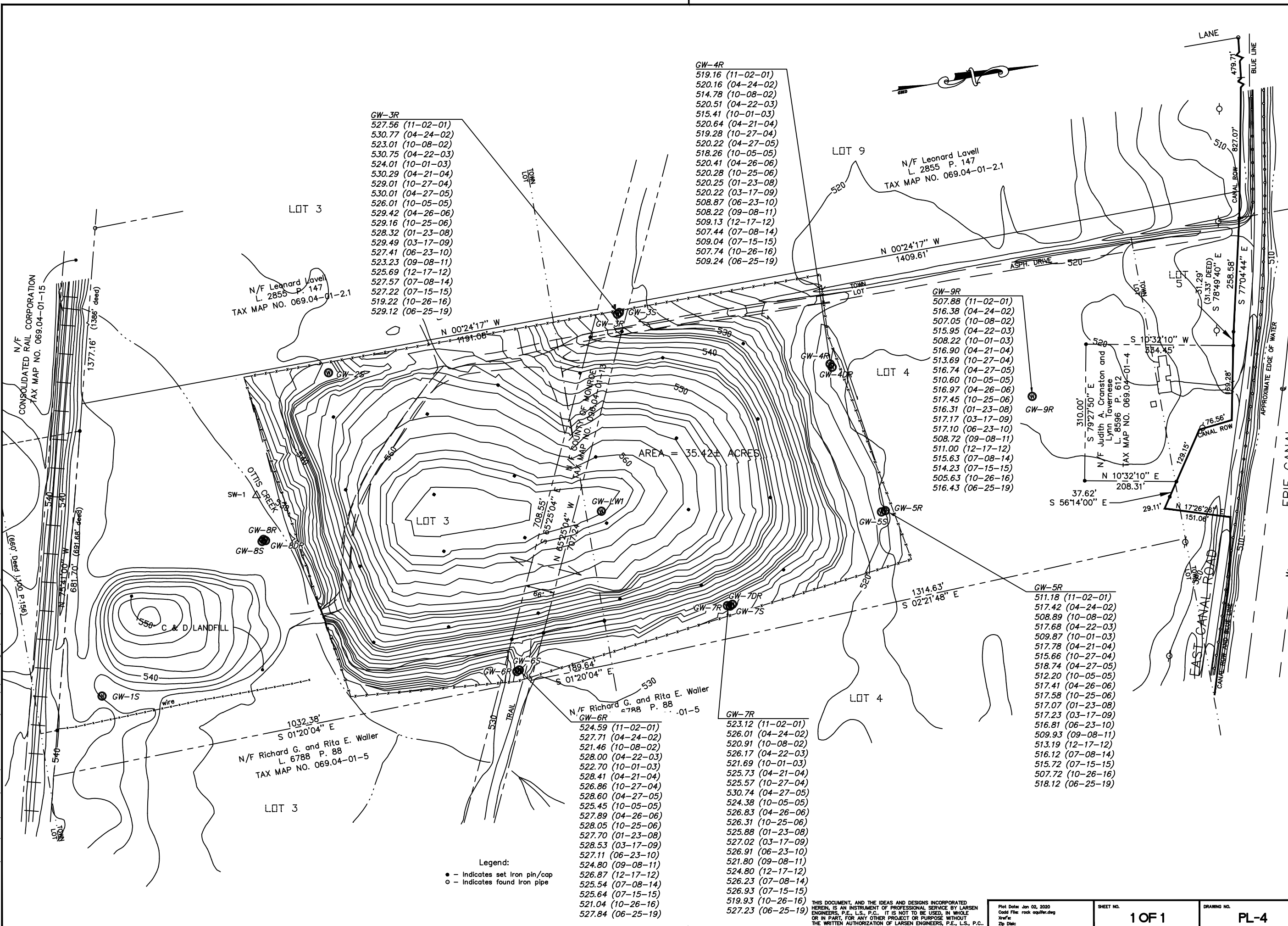
Well I.D.	Parameter	Units	NYSDOH DW Std	Analysis Result
GW-6R	Iron	mg/L	0.3	16.60
	Iron (filtered)	mg/L	0.3	0.858
	Manganese	mg/L	0.3	0.505
	Manganese (filtered)	mg/L	0.3	0.419
	Sodium	mg/L	*	179
	Sodium (filtered)	mg/L	*	164
	cis-1,2-Dichloroethene	ug/L	5	14.5
	Trichloroethene	ug/L	5	10.5
	Vinyl chloride	ug/L	2	4.0
GW-7S	Iron	mg/L	0.3	2.89
	Manganese	mg/L	0.3	1.02
GW-7R	Iron	mg/L	0.3	21.1
	Sodium	mg/L	*	171
	Chloride	mg/L	250	387
	1,1-Dichloroethane	ug/L	5	6.6
GW-9R	Iron	mg/L	0.3	1.91
	Manganese	mg/L	0.3	0.383
SW-1	Iron	mg/L	0.3	2.58
	Manganese	mg/L	0.3	0.428
	Sodium	mg/L	*	93.8
Seep	Iron	mg/L	0.3	1.09
	Sodium	mg/L	*	101

* No designated limit for sodium. Water containing more than 20 mg/L of sodium should not be used for drinking by people on severely restricted sodium diets.
Water containing more than 270 mg/L should not be used by people on moderately restricted sodium diets.

Note: The samples from wells GW-1S, GW-4R, and GW-6R had turbidities in excess of 50 NTU. Filtered samples were therefore collected and analyzed in addition to total metals.

APPENDIX F

Cadd File: H:\Brockport\2019\Brockport Landfill (5557)\Drawings\rock aquifer.dwg Plot Date: Jan 02, 2020



NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 2209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.			
NO.	REVISIONS	BY	DATE
1-8	ADDED 10/08/02 THRU 04/26/06	TCR	2/07
9	ADDED 10/25/06	TCR	2/07
10	ADDED 01/23/08	SC	4/08
11	ADDED 03/17/09	J.A.P.	6/09
12	ADDED 06/23/10	K.M.S.	8/10
13	ADDED 09/08/11	D.M.H.	11/21/11
14	ADDED 12/17/12	K.M.S.	4/4/12
15	ADDED 7/15, 10/16, AND 6/19	C.E.N.	1/2/20

PROJECT ENGINEER
T.C.R.
DATE: JAN. 2002

DESIGNED BY:
R.S.B.
CHECKED BY:
T.C.R.
SCALE: 1" = 200'

LARSEN ENGINEERS
700 WEST AUSTIN PARK, ROCHESTER, NEW YORK 14623-2678
(716) 272-7010 FAX (716) 272-0108

BROCKPORT LANDFILL
VILLAGE OF BROCKPORT, COUNTY OF MONROE, STATE OF NEW YORK

ROCK AQUIFER ISOPOTENTIAL MAP

PROJECT NO.: 07-3-5557

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, IS AN INSTRUMENT OF PROFESSIONAL SERVICE BY LARSEN ENGINEERS, P.E., L.S., P.C. IT IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT OR PURPOSE WITHOUT THE WRITTEN AUTHORIZATION OF LARSEN ENGINEERS, P.E., L.S., P.C.

Plot Date: Jan 02, 2020
Cadd File: rock aquifer.dwg
Xref:
Zip File:

SHEET NO.
1 OF 1

DRAWING NO.
PL-4

PROJECT:	TITLE:
PROJECT NO.:	07-3-5557

(660) Dec 20



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Plot Date: Aug 05, 2010
Cadd File: monitoring well locations.dwg
Xref's:
Zip Disk:

SHEET NO.
1 OF 1

DRAWING NO. **PL-2**

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