2022 ANNUAL ENVIRONMENTAL MONITORING REPORT

EDWARD ALLEN LANDFILL BAILEY CREEK ROAD; CORNING, NEW YORK

CORNING INCORPORATED

FOR EDWARD ALLEN LANDFILL PRP GROUP
SITE NUMBER: 851001

ANNUAL REPORT

WSP USA INC.
40 LA RIVIERE DR., STE. 320
BUFFALO, NEW YORK 14202
WSP.COM

PROJECT NO.:
B2101342.006 DATE:
September 12, 2023

September 12, 2023

Adam Morgan
Assistant Environmental Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Rd.
Avon, NY 14414-9519

Subject: Edward Allen Landfill (Site No. 851001) 2022 Annual Environmental Monitoring Report

Dear Mr. Morgan:

On behalf of the Edward Allen Landfill PRP group, WSP USA Inc., is pleased to submit the 2022 Annual Environmental Monitoring Report for the closed Edward Allen Landfill located on Bailey Creek Road, Town of Corning, New York. This report documents the results of the operations, maintenance and monitoring activities performed at the Landfill for the 2022 calendar year.

If you have any questions, please call Mark Saunders at (716) 331-4966 or Craig Anderson at (612) 524-0943.

Sincerely,

William X. Dolan
Geologist

Craig Anderson
Practice Leader Earth & Environment

Enclosures:

CC: John Novotny, Corning Incorporated
Chad Coy, Paramount Global
David Pratt, NYSDEC
Angela Martin, NYSDOH
Justin Deming, NYSDOH

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SIGNATURE PAGE FOR

REPORT ON
2022 ANNUAL ENVIRONMENTAL MONITORING REPORT
EDWARD ALLEN LANDFILL
BAILEY CREEK RD, CORNING, NY

PREPARED FOR
EDWARD ALLEN LANDFILL PRP GROUP

PREPARED BY:



William X. Dolan
Geologist
WSP USA Inc.

REVIEWED AND APPROVED BY:



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CERTIFICATION PAGE
FOR
2022 ANNUAL REPORT
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the Operation and Maintenance Manual was performed under my direction;

The institutional controls employed at this Site are unchanged from the date the controls were put in place, or last approved by the Department;

Nothing has occurred that would impair the ability of the controls to protect the public health and environment;

Nothing has occurred that would constitute a violation or failure to comply with the Operation and Maintenance Manual;

Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;

The engineering controls as described in the Operation and Maintenance Manual are in place and remain effective during the reporting period;

To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Operation and Maintenance Manual and generally accepted engineering practices; and,

The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law, I, Gary P. Hurta Jr., P.E., of WSP USA, Inc., am certifying as Corning Incorporated's Designated Site Representative and I have been authorized and designated by all Site owners to sign this certification for the Site.

PREPARED BY:

Gary P. Hurta Jr., P.E.
Assistant Vice President and Technical Principal
WSP USA Inc.



September 5, 2023

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It is a violation of New York State Education Law Section 7209 for any person to alter any document that bears the seal of a professional engineer unless the person is acting under the direction of a licensed professional engineer. If an item bearing the seal of an engineer is altered, the altering person shall comply with all the requirements of New York State Education Law Section 7209.

TABLE OF CONTENTS

1 INTRODUCTION 1

1.1 BACKGROUND 1

1.2 PURPOSE 1

1.3 LANDFILL GAS VENTS AND SEEPAGE COLLECTION SYSTEMS INSPECTION 1

1.4 LANDFILL GAS VENT AIR MONITORING 2

1.5 GROUNDWATER SAMPLING 2

1.6 RESIDENTIAL PROPERTIES – WELL WATER SAMPLING 3

1.7 GROUNDWATER QUALITY REVIEW 3

1.8 DATA QUALITY AND USABILITY ASSESSMENT 5

2 INSPECTION REPORTS 6

2.1 MONTHLY 6

2.2 QUARTERLY 6

3 ANNUAL LANDFILL MAINTENANCE 7

4 SEEPAGE COLLECTION AND MANAGEMENT 7

5 CONCLUSIONS 7

FIGURES

FIGURE 1 - SITE LAYOUT MAP

FIGURE 2 - EDWARD ALLEN LANDFILL RESIDENTIAL MONITORING LOCATIONS

FIGURE 3 – GROUNDWATER ELEVATION CONTOUR - SHALLOW BEDROCK WELLS, SEPTEMBER 2022

FIGURE 4 - GROUNDWATER ELEVATION CONTOUR - DEEP BEDROCK WELLS, SEPTEMBER 2022

TABLE OF CONTENTS

TABLES

TABLE 1 - SAMPLING LOCATIONS AND ANALYTICAL PARAMETER LIST

TABLE 2 - LABORATORY ANALYSIS OF GROUNDWATER SAMPLES: TAL METALS

TABLE 3 - LABORATORY ANALYSIS OF GROUNDWATER SAMPLES: VOLATILE ORGANIC COMPOUNDS

TABLE 4 - LABORATORY ANALYSIS OF RESIDENTIAL SAMPLES: TAL METALS

TABLE 5 - HISTORICAL WATER COLLECTION SYSTEM VOLUME

TABLE 6 - SEEPAGE COLLECTION AND TOTAL PRECIPITATION (2022)

APPENDICES

APPENDIX A –INSPECTION REPORTS, LANDFILL GAS VENT AIR MONITORING, AND MANHOLE INSPECTION FORMS

APPENDIX B – FIELD DATA SUMMARY AND GROUNDWATER SAMPLING FIELD LOGS

APPENDIX C – LABORATORY ANALYSIS REPORTS (INCLUDED WITH ELECTRONIC COPY ONLY)

APPENDIX D – HOMEOWNER TRANSMITTAL LETTERS

APPENDIX E – GROUNDWATER TREND PLOTS

APPENDIX F – MANN-KENDALL EVALUATION

APPENDIX G - DATA USABILITY SUMMARY REPORTS

APPENDIX H –STEUBEN COUNTY SEEPAGE DISPOSAL RECORDS

1 INTRODUCTION

1.1 BACKGROUND

The former Edward Allen Landfill (EAL) identified as New York State Department of Environmental Conservation (NYSDEC) Site 851001, is located on Bailey Creek Road in the town of Corning, New York. The EAL completed final closure in 1995 and is currently undergoing post-closure monitoring, maintenance, and annual reporting in accordance with the Operations and Maintenance (O&M) Manual (amended, Haley & Aldrich of New York (H&A), October 2021). Figure 1 shows the location of the EAL. Monitoring activities summarized in this report were completed by H&A (January through May) and by WSP USA Inc. (WSP), June through December.

1.2 PURPOSE

The EAL Annual Report summarizes the O&M tasks described in the O&M Manual as performed by H&A during the period from January to May, and WSP during the period from June to December 2022. The routine tasks include the following: monthly and quarterly visual inspection of landfill gas vents (LGV) and perimeter seepage collection manholes (MHs), annual environmental monitoring, seepage collection and disposal, seepage management (recordkeeping), inspections, and routine maintenance of the site (mowing and snow removal). The non-routine tasks include the following: replacing manhole covers, inspecting/repairing animal burrows, and abandoning one monitoring well, MW-14D, which was reported to NYSDEC under separate cover.

The annual environmental monitoring consisted of annual LGV air monitoring and annual groundwater sampling at selected EAL groundwater monitoring wells and at nearby residential properties. Table 1 presents the sampling locations and parameters for the monitoring wells, residential samples, and LGV's.

Except for reporting on monitoring well MW-14D abandonment, the following sections provide the details of the routine and non-routine O&M activities conducted in 2022.

1.3 LANDFILL GAS VENTS AND SEEPAGE COLLECTION SYSTEMS INSPECTION

The LGV and seepage collection system consists of 24 LGVs (LGV-1 – LGV-24) set into the landfill cover below the geomembrane and 13 manholes (MH-1 – MH-13) interconnected by underground plastic piping that allows seepage to drain by gravity into two 15,000-gallon, double-walled underground storage tanks. As described in Section 4, the seepage generated by the collection system is transported offsite by truck and is disposed of at the Steuben County, Bath Landfill Leachate Pre-Treatment Plant.

Inspection of the LGVs and seepage collection systems was conducted during the monthly and quarterly inspections by WSP. LGVs observed with minor misalignment and corrosion were noted in the inspection reports. All LGVs and manholes MH-1 to MH-13 had no observed structural integrity issues.

Seepage flow was observed during each inspection, with variable flow rates noted throughout the year. Manholes along the eastern side of the EAL generally showed low to no seepage flow. Based on the inspections, all LGVs, seepage collection system, and manholes were in working order. Appendix A contains the monthly and quarterly inspection reports.

1.4 LANDFILL GAS VENT AIR MONITORING

Annual LGV air monitoring (screening for volatile organic compounds [VOCs]) was conducted by WSP during the annual groundwater sampling on Monday, September 12, 2022. LGV air monitoring consisted of a visual inspection and screening of all LGVs with a photoionization detector (PID) and combustible gas meter (CGM).

VOCs were detected at concentrations greater than background in 11 of the 24 LGVs. Detected VOC readings were less than 1.0 part per million by volume. Combustible gas concentrations were detected in 16 of the 24 LGVs, with 13 LGV concentrations greater than 99% of the Lower Explosive Limit. Appendix A contains the PID and combustible gas readings. No odor was observed by WSP during the LGV screening and inspection.

1.5 GROUNDWATER SAMPLING

The annual groundwater sampling occurred from Monday, September 12 to Thursday, September 15, 2022. Figure 1 shows information on the piezometer and monitoring well sample locations. Groundwater samples were collected from 17 monitoring wells surrounding the site. Before purging and sampling, static water levels of all monitoring wells and piezometers were measured using a decontaminated electrical probe. Monitoring well samples were collected using low flow methods, which include using a bladder pump to purge the wells prior to collecting the samples. Monitoring well MW-15I was purged and sampled using a bailer due the construction of the well and the water level. MW-15I was purged dry then allowed to recharge before collecting a sample. Purge water from the monitoring wells was disposed of with collected seepage. Other sampling wastes were disposed of offsite as solid waste. Monitoring wells MW-4D, MW-10S, and MW-15D were resampled on Monday, October 24 to Tuesday, October 25, 2022. These wells were resampled due to excessive turbidity readings in the initial samples. Unfiltered and field-filtered samples were collected from these wells, replicating the original sampling procedure.

Groundwater sampling logs, and groundwater sampling supporting documents for both sampling events are provided in Appendix B. Chain-of-Custody forms (COCs), Quality Assurance/Quality Control (QA/QC) documentation, and laboratory analytical reports are included in Appendix B.

Groundwater samples were shipped to Alpha Analytical (National Environmental Laboratory Accreditation Program-certified laboratory # 11148 [Alpha]). Monitoring well samples were analyzed for:

- Select VOCs by U.S. Environmental Protection Agency (EPA) Method 8260
- Target Analyte List (TAL) Metals by EPA Method 6010C and 7470A

Residential groundwater samples were analyzed for TAL metals.

WSP collected QA/QC samples during the annual groundwater sampling event. The QA/QC sample locations and analysis are listed below:

- VOCs and TAL metals: one blind duplicate sample from MW-7S
- VOCs and TAL metals: one matrix spike (MS) and matrix spike duplicate (MSD) sample was collected from MW-13S
- VOCs: one trip blank was furnished and analyzed by Alpha

WSP performed a data analysis and usability evaluation of the final Alpha analytical report. Additional information can be found in Section 1.7 Groundwater Quality Review.

1.6 RESIDENTIAL PROPERTIES – WELL WATER SAMPLING

Three residential wells were sampled on Wednesday, September 14, and Tuesday, October 25, 2022. Figure 2 shows the location of the three residential properties. The three residential properties included:

- Allen residence (tax parcel ID: 353.00-03-025.100)
- Horrigan/Subroto residence (tax parcel ID: 353.00-03-027.000)
- Peckham residence (tax parcel ID: 353.000-03-41.000)

Residential groundwater samples were collected from outdoor spigots after approximately fifteen gallons of water was purged from each residential well system. Groundwater samples were placed in laboratory-furnished sample containers, labeled, and placed into rigid coolers with ice. Table 4 summarizes the laboratory results of the residential sampling.

After WSP's data validation, the residential well water sample results were shipped via FedEx to their respective addresses and NYSDEC on Wednesday, February 15, 2023. Appendix D includes the residential water well results transmittal letters.

1.7 GROUNDWATER QUALITY REVIEW

Groundwater flows in a general southeast to northwest flow direction, which is consistent with previous monitoring events. Figures 3 and 4 provide groundwater contours generated from static shallow and deep groundwater elevations, collected from the EAL monitoring wells and piezometers in September 2022.

Monitoring well and residential water sample results are summarized in Tables 2 through 4 and compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (Technical and Operational Guidance Series [TOGS] 1.1.1)[1].

Target parameters were not detected above the specified TOGS 1.1.1 standards and guidance values at the on-site and residential wells, with the exception of the following:

- Selected naturally occurring metals (i.e., aluminum, iron, barium, manganese, sodium, and arsenic) were detected above the TOGS 1.1.1 values at monitoring wells both upgradient and downgradient of the landfill, consistent with historical monitoring results (Table 2).

- Select VOCs were detected above laboratory detection limits, but below the TOGS 1.1.1 values and consistent with historical monitoring results, with the exception of acetone, a suspected laboratory contaminant (Table 3). These VOC detections are listed below, where a "J" data qualifier indicates an estimated value[2].
  - Trichloroethene (TCE) was detected at MW-7S (2.6 microgram per liter (ug/L)) and MW-13S (0.25 J ug/L)
  - 1,1-Dichloroethane was detected at MW-7S (1.2 J ug/L) and MW-7D (2.3 J ug/L)
  - Vinyl chloride was detected at MW-7S (0.17 J ug/L), MW-7D (0.95 J ug/L)
  - 1,1,1-Trichloroethane was detected at MW-7D (1.0 J ug/L)
  - 1,2-Dichloroethane was detected at MW-7D (1 ug/L)
  - cis-1,2-Dichloroethene was detected at MW-7D (1.8 J ug/L)
  - 1,1-Dichloroethene was detected at MW-7D (0.19 J ug/L)
  - Acetone was detected at MW-13D (12 ug/L)
- TCE was detected above TOGS 1.1.1 at MW-7D (13 ug/L). This concentration is consistent with historical low-level concentrations periodically detected at this location (See Table 3).
- The naturally occurring metals (i.e., barium, iron, manganese, and sodium) were detected above TOGS 1.1.1 values at the residential wells, consistent with historical monitoring results (Table 4).

1 New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values, Class GA, dated June 1998, modified per the April 2000 addendum.

2 The target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.

The graphed results of the groundwater quality trend analysis are provided in Appendix E.

Analyte trends from the historical data sets were evaluated using Mann-Kendall statistics on ProUCL. The initial validation output used a 95% Confidence Coefficient. If the Mann-Kendall trend indicated that there was statistically-significant evidence of either increasing or decreasing trend, no further statistical evaluation was required. If the initial output did not indicate a significant trend, the Mann-Kendall statistics were re-run, using a 90% Confidence Coefficient. If there was statistically-significant evidence of either increasing or decreasing trend at the 90% level, there is an indication of possible trend. The direction of the trend would be indicative of the Mann-Kendall Test Value (S). A positive S (greater than 0) indicates an upward trend, and a negative S (less than 0) indicates a downward trend.

If the outputs did not indicate a statistically significant trend at both the 90% and 95% confidence coefficient, then the following was evaluated:

- If S was greater than zero, then it can be assumed that there is no trend.
- If S was less than or equal to zero and the coefficient of variance was greater than 1, then it can be assumed that there is no trend.
- If S was less than zero and the coefficient of variance was less than zero, then it can be assumed that the trend was stable.

The results of the Mann-Kendall evaluation are provided in Appendix F. Barium, Iron, Manganese, TCE and Sodium levels were evaluated using a Mann-Kendall trend evaluation. The trend evaluation compares results from the latest sampling events (between 29 and 41 events for each monitoring well) and determines if the measured concentration in a well is increasing, decreasing, or stable.

Based on the results of the Mann-Kendall evaluation, there were four downgradient/sidegradient monitoring wells with statistically significant increasing trends identified in the data set updated with September 2022 sample results. This includes monitoring wells 4S and 4D (Iron, Manganese, and Sodium), monitoring well 7D (TCE), and monitoring well 10S (Iron).

Except as noted above, monitoring wells 15I and 15S are upgradient, and indicate decreasing or stable trends; monitoring wells 7S and 7D are downgradient/sidegradient, and show decreasing trends; monitoring wells 4S, 4D, 10S, 10D, 11S, 11D, 12S and 12D are downgradient, and show decreasing or stable trends.

The Mann-Kendall trend evaluation is summarized below by compound.

- Barium - monitoring wells 10D and 12D show a decreasing trend.
- Iron - monitoring wells 4S, 4D, and 10S show an increasing trend; monitoring wells 11S and 11D show a decreasing trend; monitoring well 15I does not show a trend.
- Manganese - monitoring wells 4S and 4D show an increasing trend; monitoring wells 11S and 11D show a decreasing trend.
- TCE - monitoring well 7D shows an increasing trend.
- Sodium - all monitoring wells show decreasing trends except for monitoring well 4S, which shows an increasing trend, and monitoring wells 15S and 4D, which do not show a trend.

1.8 DATA QUALITY AND USABILITY ASSESSMENT

WSP completed a data validation and assessment of the Alpha reports following Federal guidance and/or O&M manual guidance documents listed below:

- EPA National Functional Guidelines for Superfund Inorganic Methods Data Review OLEM 9240.1-66. (EPA 542-R-20-006).
- EPA National Functional Guidelines for Superfund Organic Methods Data Review OLEM 9240-1-51. (EPA 542-R-20-005).
- Operation and Maintenance Manual, Edward Allen Landfill, Appendix C, Data Collection Quality Assurance Plan (DCQAP; October 2021).

This data validation consisted of samples from the 2022 annual groundwater sampling event of which, 22 field samples, one MS/MSD, one field rinsate blank, were collected along with 2 trip blanks. Of the 22 field samples 17 were monitoring well samples and 3 were residential well samples. Based on the DCQAP, the following items were reviewed in this validation and assessment.

- Data Completeness
- Compound Quantitation
- Sample Preservation
- Preparation and analytical holding times
- Analytical methods and detection limits
- Laboratory and field blanks

- Surrogate recoveries
- Laboratory control samples/duplicates (LCS/LCSD)
- MS/MSD recoveries
- Field and laboratory duplicates
- Serial Dilutions (Metals only)

Based on WSP data validation report the following were noted. All non-detect and estimated concentration were quantified to the method detection limit, and reporting limits were at or below EAL-specific reporting limits. All samples were prepared and analyzed within specific holding times listed on Table 3 of the DCQAP. Additional data validations are listed in Appendix G.

2 INSPECTION REPORTS

2.1 MONTHLY

The O&M manual establishes monthly inspections of the following items:

- general site security
- seepage control system
- seepage vaults
- seepage loadout system
- LGVs
- landfill cover
- animal activity
- seepage control trenches MH-3 to MH-6 and
- groundwater monitoring wells

During the monthly inspections, WSP observed sediment in certain manhole trenches, however the sediment did not impact flowrate. In addition, during the inspections, the seepage control system was observed to be in working order.

2.2 QUARTERLY

The O&M manual establishes quarterly inspections of the following items:

- general site security
- seepage control system
- seepage vaults
- seepage loadout system
- LGVs, landfill cover
- animal activity
- seepage control trenches MH-1 to MH-13 and
- all groundwater monitoring wells.

During these quarterly inspections, WSP observed sediment in certain manhole trenches, however the sediment did not impact flowrate. Faded, damaged, or missing warning signs were replaced.

3 ANNUAL LANDFILL MAINTENANCE

During 2022, site maintenance activities included:

- Thomas Landscaping, of Corning, New York (Thomas), mowed the landfill cap in May, July, and September and performed other tree trimming and clean-up activities on the cap and perimeter fence at various times from May through September.
- Thomas removed snow and salted the EAL entrance during winter months, as needed, to maintain access for licensed transporters to remove seepage.
- Repair activities were performed by WSP include replacing signs along the perimeter fence, control shed, and collection system. Removed trash from along the perimeter fence. Replaced perimeter gates and monitoring well locks.
- Critter Chicks, of Big Flats, New York, conducted animal activity remote monitoring with a trail camera. WSP filled in animal burrows on the landfill cover with imported fill sampled in accordance with DER-10 and complying with the requirements for Unrestricted Use per Appendix 5 of DER-10.

4 SEEPAGE COLLECTION AND MANAGEMENT

During the closure process, a low permeability geosynthetic membrane and soil cover system was installed at the EAL. Seepage is collected in interconnected pipes that flow through the onsite manholes into on-site storage tanks near the current entrance to the landfill. Collected seepage is regularly transferred to tanker trucks by Dickson's Environmental Services and Finger Lakes Envirotech, LLC of Bath, New York, and transported to the Bath Landfill Leachate Pre-Treatment Plant. 730,700 gallons of seepage was disposed of in 2022. Table 5 shows the monthly volumes of seepage collected over the last twelve years. Table 6 shows the monthly volumes of seepage collected in 2022 compared to precipitation for Corning, New York.

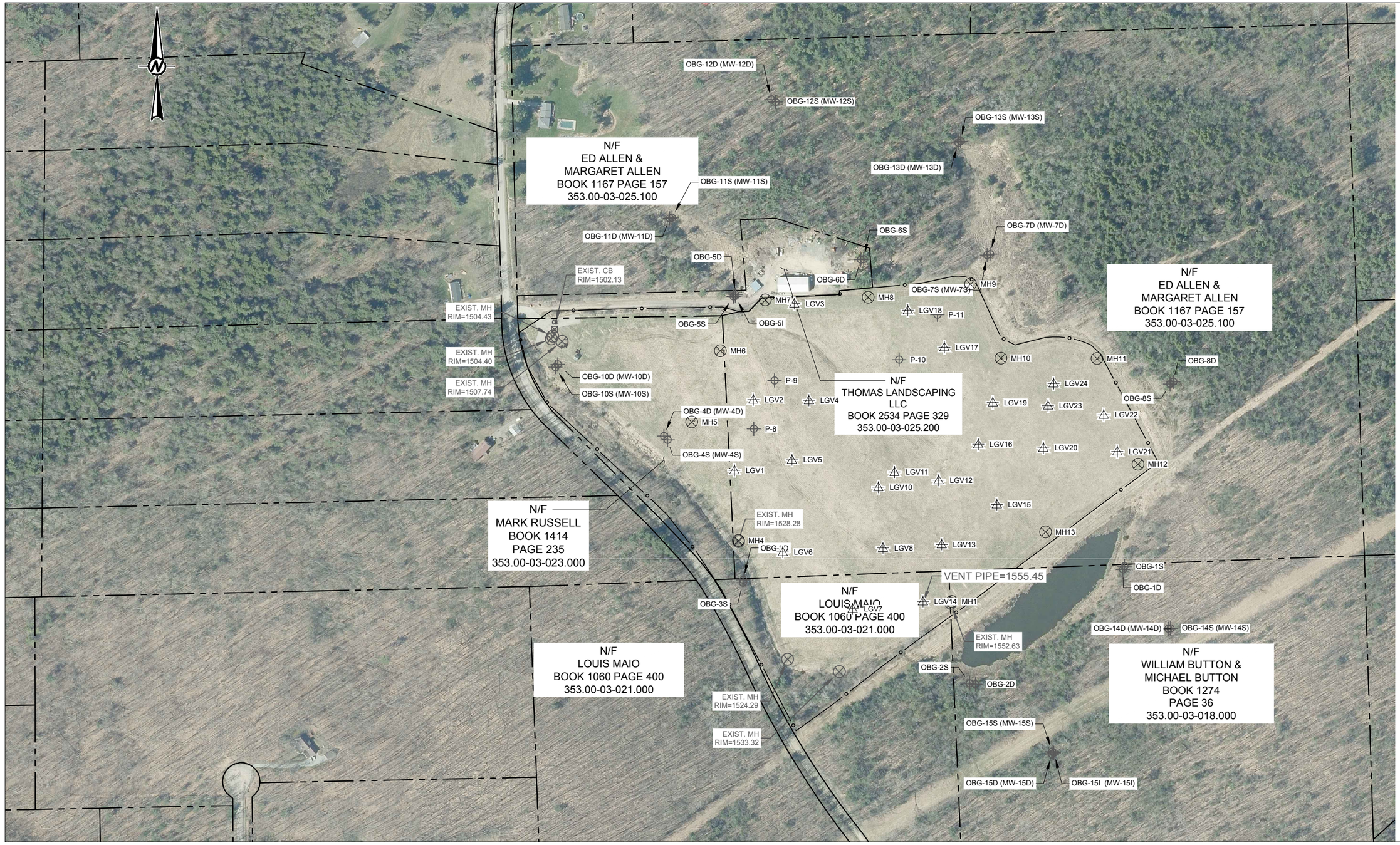
Weigh tickets and manifests from the Steuben County Department of Public Works are included in Appendix H, which records the date and volumes of seepage removed.

5 CONCLUSIONS

Onsite and remote monitoring, operation, and maintenance activities completed by WSP, H&A, and subcontractors at EAL were in accordance with the O&M Manual and NYSDEC landfill post-closure monitoring requirements as documented in this report. WSP managed routine and non-routine activities including monthly and quarterly inspections, maintenance, seepage management, environmental monitoring, and equipment repair or replacement from June 2022 to December 2022. H&A managed all activities at the site from January to May 2022.

WSP did not identify deficiencies or actions that require modification to the O&M manual and its program in 2022.

FIGURES



LEGEND

- MONITORING WELL
- MANHOLE LOCATION
- LANDFILL GAS VENT
- PROPERTY LINE
- FENCE LINE

0 150 300
1" = 300' FEET

CLIENT
CORNING INC.
ONE RIVERFRONT PLAZA
CORNING, NY 14831

CONSULTANT
wsp

YYYY-MM-DD	2023-01-26
DESIGNED	MS
PREPARED	AM
REVIEWED	
APPROVED	

PROJECT
EDWARD ALLEN LANDFILL SITE NUMBER: 851001
BAILEY CREEK ROAD
TOWN OF CORNING, NEW YORK

TITLE
SITE LAYOUT MAP

PROJECT NO.	CONTROL	REV.	FIGURE
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LEGEND

PROPERTY LINE

FENCE LINE

REFERENCE(S)

1. AERIAL: © 2023 MICROSOFT CORPORATION © 2022 MAXAR ©CNES (2022) DISTRIBUTION AIRBUS DS BING

0 150 300

1" = 300' FEET

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ONE RIVERFRONT PLAZA
CORNING, NY 14831

CONSULTANT

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DESIGNED	MS
PREPARED	AM
REVIEWED	
APPROVED	

PROJECT
EDWARD ALLEN LANDFILL SITE NUMBER: 851001
BAILEY CREEK ROAD
TOWN OF CORNING, NEW YORK

TITLE
EDWARD ALLEN LANDFILL RESIDENTIAL MONITORING LOCATIONS

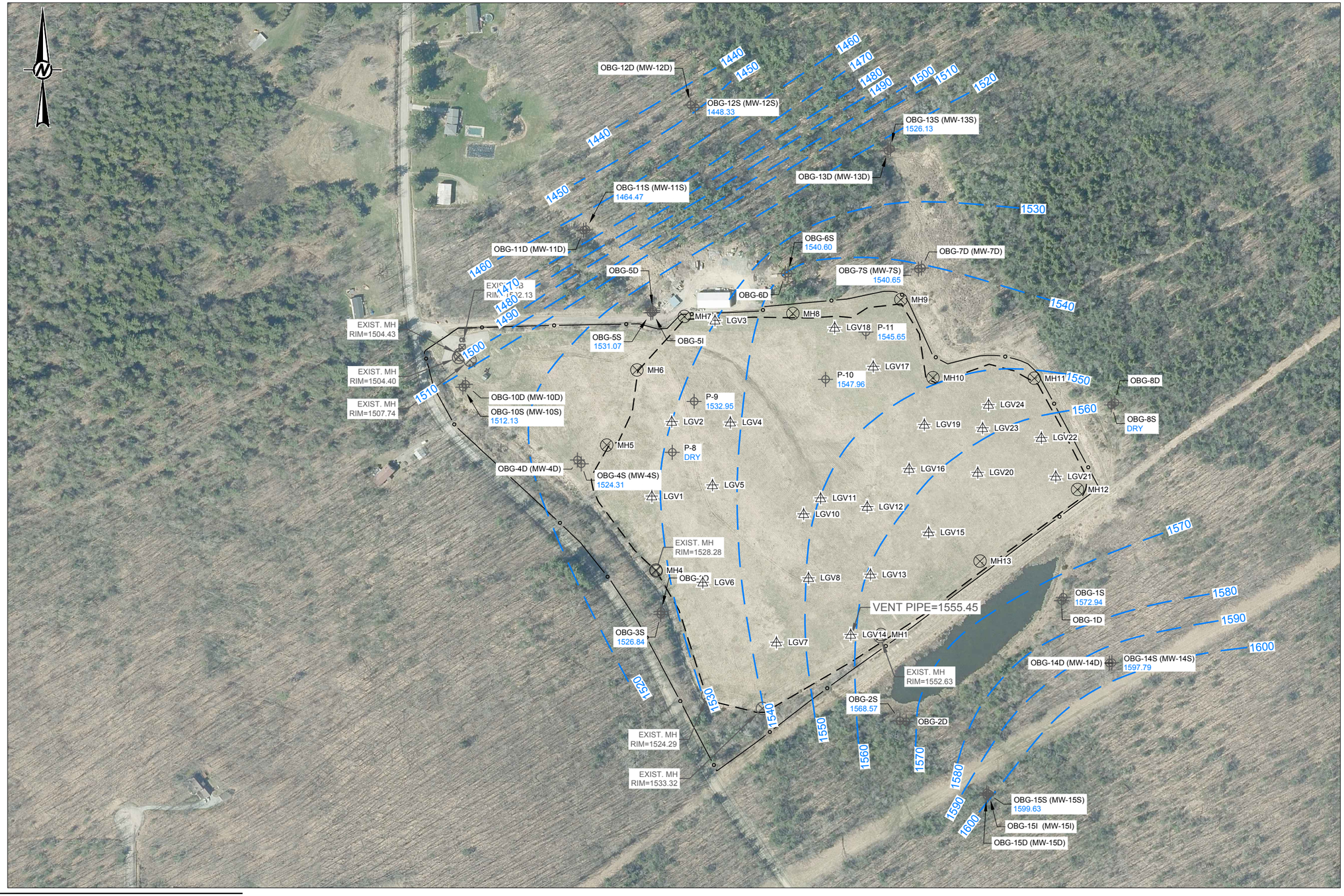
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LEGEND

- MONITORING WELL
- MANHOLE LOCATION
- LANDFILL GAS VENT
- FENCE LINE
- 6-INCH SEEP COLLECTION SYSTEM
- 1100 GROUNDWATER ELEVATION CONTOUR, IN FEET ABOVE MEAN SEA LEVEL
- 1572.94 GROUNDWATER ELEVATION

0 150 300
1" = 300' FEET

CLIENT
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CORNING, NY 14831

CONSULTANT
wsp

YYYY-MM-DD	2023-01-26
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REVIEWED	
APPROVED	

PROJECT
EDWARD ALLEN LANDFILL SITE NUMBER: 851001
BAILEY CREEK ROAD
TOWN OF CORNING, NEW YORK

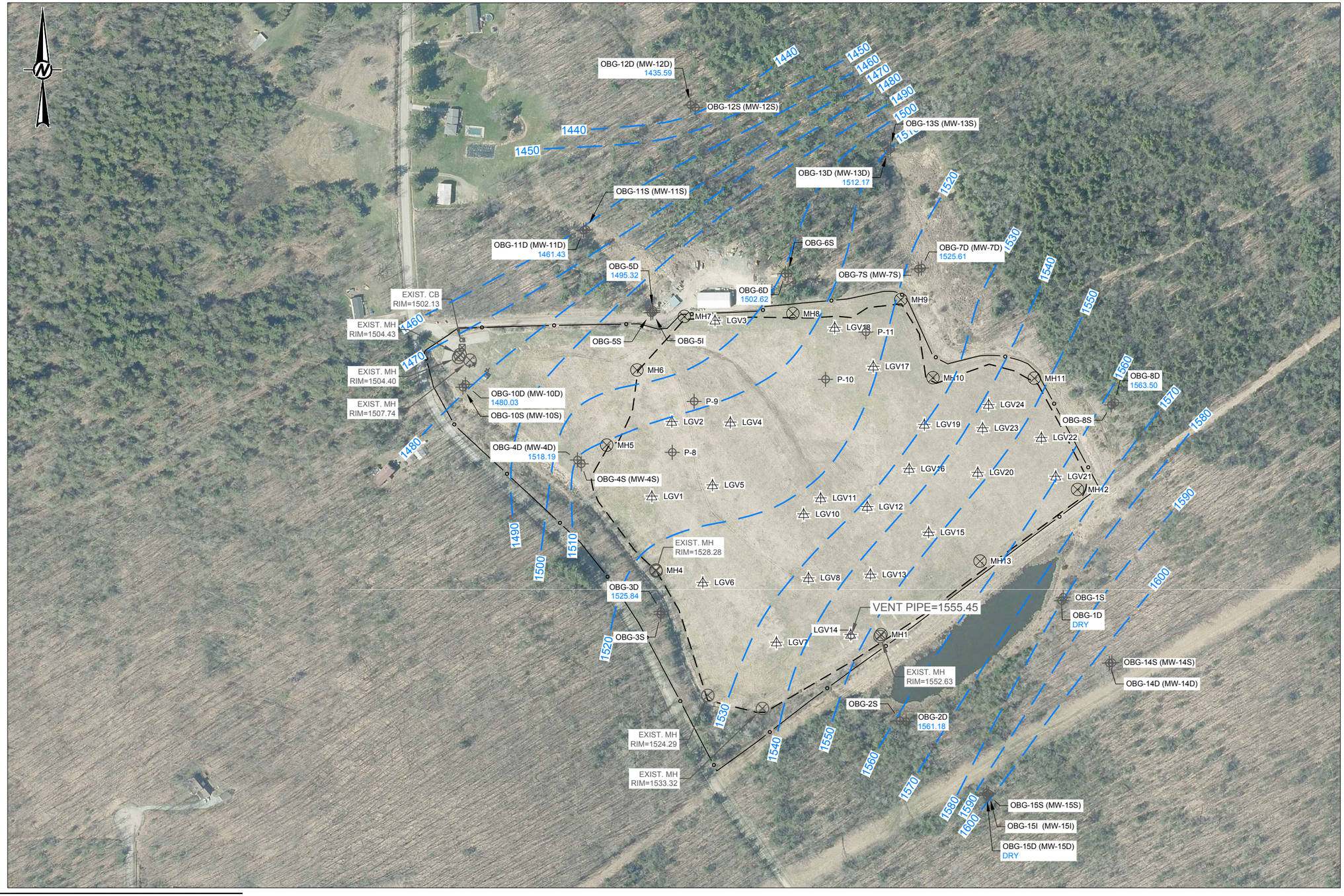
TITLE
GROUNDWATER ELEVATION CONTOUR SHALLOW BEDROCK WELLS SEPTEMBER 2022

PROJECT NO.	CONTROL	REV.	FIGURE
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LEGEND

- MONITORING WELL
- MANHOLE LOCATION
- LANDFILL GAS VENT
- FENCE LINE
- 6-INCH SEEP COLLECTION SYSTEM
- 1100 — GROUNDWATER ELEVATION CONTOUR, IN FEET ABOVE MEAN SEA LEVEL
- 1572.94 — GROUNDWATER ELEVATION

0 150 300
1" = 300' FEET

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CORNING, NY 14831

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wsp

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DESIGNED	MS
PREPARED	AM
REVIEWED	
APPROVED	

PROJECT
EDWARD ALLEN LANDFILL SITE NUMBER: 851001
BAILEY CREEK ROAD
TOWN OF CORNING, NEW YORK

TITLE
GROUNDWATER ELEVATION CONTOUR DEEP BEDROCK WELLS SEPTEMBER 2022

PROJECT NO.	CONTROL	REV.	FIGURE
B2101342.006	0001-003	0	4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

1 in 0

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TABLES

TABLE 1

Sampling Locations and Analytical Parameter List

Edward Allen Landfill

Corning, New York

Sampling Point	Position Relative to Landfill	Annual Monitoring Event (September)			
		Metals	VOC	PID	CGM
MONITORING WELL					
MW-4S	On property, down gradient base of the landfill cap	X			
MW-4D	On property, down gradient base of the landfill cap	X			
MW-7S	Off property cross/down gradient	X	X		
MW-7D	Off property cross/down gradient	X	X		
MW-10S	On property near seepage recovery tanks	X			
MW-10D	On property near seepage recovery tanks	X			
MW-11S	Off property, down gradient	X			
MW-11D	Off property, down gradient	X			
MW-12S	Off property, down gradient	X			
MW-12D	Off property, down gradient	X			
MW-13S	Off property, down gradient	X	X		
MW-13D	Off property, down gradient	X	X		
MW-14S	Off property, up gradient	X			
MW-15S	Off property, up gradient	X			
MW-15I	Off property, up gradient	X			
MW-15D	Off property, up gradient	X			
RESIDENTIAL SAMPLING					
Allen	Off property, down gradient	X			
Horrigan/Subroto	Off property, down gradient	X			
Peckham (formerly Rarrick)	Off property, down gradient	X			
LANDFILL GAS VENT (LGV) AIR MONITORING					
LGV-1 through LGV-24	On property			X	X

Notes:
Metals = TAL metals analyzed by EPA Methods 6010C & 7470A
VOCs = Volatiles organic compounds analyzed by EPA Method 8260B
PID = Photoionization detector
CGM = Combustible gas meter

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
MW-4S	12/13/95	0.8	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	82.5	0.010 U	0.050 U	0.025 U	**2.5**	0.003 U	21.9	**1.3**	0.040 U	6.8	0.005 U	0.010 U	**38.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	3/27/96	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	73.4	0.010 U	0.050 U	0.025 U	**2.1**	0.003 U	19.5	**1.2**	0.040 U	6	0.005 U	0.010 U	**24.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/1/96	0.71	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	68.7	0.010 U	0.050 U	0.025 U	**4.2**	0.003 U	17.1	**1.2**	0.040 U	5.00 U	0.005 U	0.010 U	**21.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	64.7	0.010 U	0.050 U	0.025 U	**2.5**	0.003 U	14.8	**1.1**	0.040 U	5.00 U	0.005 U	0.010 U	**22.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/3/97	0.200 U	0.060 U	0.010 U	0.33	0.005 U	0.005 U	74.5	0.010 U	0.050 U	0.025 U	**2**	0.003 U	19.2	**1.2**	0.040 U	5.00 U	0.005 U	0.010 U	**20.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	1.2	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	69.1	0.010 U	0.050 U	0.025 U	**4.9**	0.003 U	16.1	**1.4**	0.040 U	5.00 U	0.005 U	0.010 U	19.9	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	0.82	0.060 U	0.011	0.200 U	0.005 U	0.005 U	77.1	0.010 U	0.050 U	0.025 U	**2.6**	0.003 U	17.4	**1.2**	0.040 U	5.00 U	0.005 U	0.010 U	**20.5**	0.010 U	0.050 U	0.16	0.0002 U
	10/29/98	0.68	0.060 U	0.013	0.200 U	0.005 U	0.005 U	84.9	0.010 U	0.050 U	0.025 U	**3.9**	0.003 U	18.9	**1.9**	0.040 U	5.00 U	0.005 U	0.010 U	**22.4**	0.010 U	0.050 U	0.051	0.0002 U
	5/3/99	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	61.9	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	12.9	**0.54**	0.040 U	5.00 U	0.005 U	0.010 U	18.7	0.010 U	0.050 U	0.050 U	0.0002 U
	10/11/99	0.21	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	95.4	0.010 U	0.050 U	0.025 U	**5**	0.003 U	22.5	**0.54**	0.040 U	5.00 U	0.005 U	0.010 U	**26**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/11/00	0.200 U	0.060 U	0.008	0.14	0.005 U	0.005 U	90.4	0.010 U	0.050 U	0.025 U	**4.21**	0.002	22.7	**2.33**	0.040 U	2.37	0.005 U	0.010 U	**31.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/28/00	0.200 U	0.060 U	0.008	0.139	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	**4.61**	0.007	22	-	0.021	2.33	0.005 U	0.010 U	**26.4**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/29/01	0.200 U	0.060 U	0.005	0.121	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	**3.28**	0.002	21.9	-	0.040 U	2.21	0.005 U	0.010 U	**29.9**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075 U	0.05 U	0.014	0.139	0.002 U	0.005 U	-	0.01 U	0.01 U	0.017 U	**4.22**	0.006 U	20.1	-	0.012 U	2.05	0.005 U	0.01 U	**31.4**	0.001 U	0.01 U	0.023 U	0.0002 U
	6/2/02	0.075 U	0.05 U	0.004	0.111	0.002 U	0.001 U	79.5	0.002 U	0.01 U	0.017 U	**1.36**	0.001 U	19.8	**1.28**	0.012 U	1.6	0.001 U	0.001 U	**48**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/18/03	0.075 U	0.05 U	0.006	0.117	0.002 U	0.001 U	85.2	0.002 U	0.01 U	0.017 U	**2.29**	0.001 U	20.8	**1.66**	0.014	1.93	0.001 U	0.001 U	**40.7**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/13/04	0.1 U	0.050 U	0.005	0.106	0.002 U	0.001 U	82.4	0.002 U	0.010 U	0.017 U	**2.02**	0.001 U	20.2	**2.1**	0.012 U	2.65	0.001 U	0.010 U	**39.3**	0.001 U	0.010 U	0.012	0.0002 U
	7/16/05	0.075 U	0.0016	0.0118	0.161	0.0020 U	0.0010 U	72	0.0020 U	0.010 U	0.017 U	**4.9**	0.0054	17.9	**3.5**	0.012 U	2.63	0.0010 U	0.010 U	**40.7**	0.0010 U	0.010 U	0.020 U	0.0002 U
	6/19/06	0.100 U	0.060 U	0.050 U	0.136	0.005 U	0.005 U	90.4	0.005 U	0.050 U	0.005 U	**4.94**	0.005 U	20.8	**3.09**	0.020 U	2.39	0.005 U	0.010 U	**35.1**	0.010 U	0.020 U	0.018	0.0002 U
	6/18/07	0.100 U	0.060 U	0.011	0.122	0.005 U	0.005 U	90 J	0.005 U	0.050 U	0.007	**4.1 J**	0.005 UJ	21.8 J	**2.56 J**	0.020 U	2.37	0.005 J	0.010 U	**29.3 J**	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/30/08	0.100 U	0.060 U	0.005 U	0.133	0.005 U	0.005 U	92	0.005 U	0.050 U	0.005 U	**7.55 J**	0.005 U	20.7	**3.91 J**	0.020 U	2.28 J	0.005 U	0.010 U	**40.4 J**	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.034 J	0.0051 R	0.0022 U	0.083 J	0.00024 U	0.00031 U	87.2	0.0052 U	0.00081 J	0.0025 U	**4.1 J**	0.0014 U	21.2	**2.73**	0.00066 U	2.31 J	0.0071 U	0.0014 U	**54.7 J**	0.0134 R	0.0086 U	0.0021 J	0.0002 UJ
	7/12/10	0.050 J	0.060 U	0.0047 J	0.0812	0.005 U	0.0003 J	84.9	0.005 U	0.050 U	0.005 U	**3.74**	0.005 U	20.1	**2.81**	0.0007 J	2.33 J	0.005 U	0.010 UJ	**53.4 J**	0.010 U	0.020 U	0.008 J	0.0002 U
	7/14/11	0.0081 U	0.0196 U	0.0073 U	0.0884 J	0.00014 U	0.00035 J	83.4	0.0047 U	0.00043 U	0.0042 U	**4.14 J**	0.0031	19.2	**3.64**	0.0027 J	2.19 J	0.0025 U	0.0028 U	**57.1 J**	0.0021 U	0.0049 U	0.0023 J	0.00006 U
	7/11/12	0.100 U	0.060 U	0.015 J	0.096 J	0.005 U	0.005 U	94.4	0.005 U	0.050 U	0.005 U	**9.14 J**	0.005 U	22.5	**3.13 J**	0.020 U	2.63 J	0.005 UJ	0.010 UJ	**31.5 J**	0.010 UJ	0.020 U	0.010 U	0.00006 U
	7/15/13	0.0061 U	0.002 U	0.0098 J	0.0777 J	0.0001 U	0.00028 J	81.2 J	0.0027 U	0.00087 J	0.0025 J	**2.87**	0.0021 U	19.7 J	**2.48**	0.00063 J	1.86 J	0.0031 U	0.0027 U	**40 J**	0.0035 J	0.0109 U	0.0052 U	0.00015 U
	9/16/14	0.0157 U	0.0028 U	0.0053 J	0.0928 J	0.00022 U	0.00041 U	115	0.0028 U	0.0019 J	0.0027 U	**4.8 J**	0.0021 U	22.2	**3.09**	0.00072 J	1.97 J	0.0015 U	0.0035 UJ	**58.3**	0.003 R	0.0042 U	0.0059 U	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.0121	0.0879 J	0.00041 U	0.0044 U	90.6	0.0099 U	0.00081 J	0.0024 U	**3.31J**	0.0029 U	22.4	**3.4**	0.00080 U	22.5	0.0042 UJ	0.0025 U	**40.7J**	0.0043 R	0.0051 U	0.002 U	0.00005 U
	11/29/17	0.0553	0.00042 U	0.00024 J	0.2324	0.00010 U	0.00005 U	128	0.00041 J	0.00049 J	0.00048 J	**0.0988**	0.00034 U	17.7	**0.4988**	0.00238	2.60	0.00173 U	0.00016 U	**41.2**	0.00014 U	0.00157 U	0.00341 U	0.00006 U
	10/26/18	0.0072 J	0.004 U	0.00805	0.07675	0.0005 U	0.00007 J	76.4	0.001 U	0.00028 J	0.00046 J	**4.11**	0.001 U	18.4	**2.175**	0.00057 J	1.83	0.005 U	0.0004 U	**45.3**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/7/19	0.0124	0.00185 J	0.00622	0.06552	0.0005 U	0.00018 J	85.0	0.00032 J	0.00024 J	0.00056 J	**3.61**	0.001 U	21.0	**1.447**	0.00070 J	1.65	0.005 U	0.0004 U	**39.9**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/5/20	0.0078 J	0.004 U	0.01164	0.117	0.0005 U	0.0002 U	96.2	0.00034 J	0.00029 J	0.001 U	**5.59 J+**	0.001 U	19.4	**1.919**	0.00058 J	1.97	0.005 U	0.0004 U	**30.6**	0.001 U	0.005 U	0.01 U	0.0002 U
	11/4/21	0.0109	0.00134 J	0.01014	0.09275	0.0005 U	0.00008 J	85.2	0.00019 J	0.00072	0.002 U	**7.26**	0.001 U	20.9	**2.357**	0.00102 J	1.69	0.005 U	0.0004 U	**41.8**	0.001 U	0.005 U	0.01054	0.0002 U
	9/13/22	0.071 J	0.007 U	0.004 J	0.075	0.001 U	0.001 U	86.6	0.002 U	0.002 U	0.002 U	**2.28**	0.003 U	20.2	**2.42**	0.002 U	1.75 J	0.004 U	0.003 U	**35.9**	0.003 U	0.002 U	0.004 J	0.00009 J
MW-4D	12/13/95	0.76	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	55.6	0.010 U	0.050 U	0.025 U	**0.97**	0.003 U	12.9	**0.5**	0.040 U	5.00 U	0.005 U	0.010 U	17.1	0.010 U	0.050 U	0.050 U	0.002 U
	3/27/96	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	55.4	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	12.8	**0.52**	0.040 U	5.00 U	0.005 U	0.010 U	16.5	0.010 U	0.050 U	0.050 U	0.002 U
	7/2/96	0.21	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	45.6	0.010 U	0.050 U	0.025 U	0.2	0.003 U	10.7	**0.46**	0.040 U	5.00 U	0.005 U	0.010 U	14.4	0.010 U	0.050 U	0.050 U	0.002 U
	10/16/96	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	54.1	0.010 U	0.050 U	0.025 U	0.2	0.003 U	11.8	**0.5**	0.040 U	5.00 U	0.005 U	0.010 U	18.6	0.010 U	0.050 U	0.050 U	0.002 U
	4/3/97	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	55.4	0.010 U	0.050 U	0.025 U	0.19	0.003 U	12.2	**0.47**	0.040 U	5.00 U	0.005 U	0.010 U	18.5	0.010 U	0.050 U	0.050 U	0.002 U
	10/23/97	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	46.1	0.010 U	0.050 U	0.025 U	0.18	0.003 U	9.5	**0.41**	0.040 U	5.00 U	0.005 U	0.010 U	15.3	0.010 U	0.050 U	0.050 U	0.002 U
	4/30/98	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	55.2	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	11.6	**0.5**	0.040 U	5.00 U	0.005 U	0.010 U	17.3	0.010 U	0.050 U	0.050 U	0.002 U
	10/27/98	0.200 U	0.060 U	0.010 U	0.021	0.005 U	0.005 U	66.2	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	13.7	**0.62**	0.040 U	5.00 U	0.005 U	0.010 U	19.7	0.010 U	0.050 U	0.050 U	0.002 U
	5/3/99	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	105	0.010 U	0.050 U	0.025 U	**4.8**	0.003 U	24.4	**2.4**	0.040 U	5.00 U	0.005 U	0.010 U	**39.4**	0.010 U	0.050 U	0.050 U	0.002 U
	10/11/99	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	50.9	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	8.4	**0.75**	0.040 U	5.00 U	0.005 U	0.010 U	13.3	0.01	0.050 U	0.050 U	0.002 U
	5/11/00	0.200 U	0.060 U	0.003	0.202	0.005 U	0.005 U	58.4	0.010 U	0.050 U	0.025 U	**7.08**	0.004	13	**1.08**	0.040 U	1.98	0.005 U	0.010 U	18.3	0.010 U	0.050 U	0.050 U	0.002 U
	10/28/00	0.200 U	0.060 U	0.010 U	0.2	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.238	0.003	14.8	-	0.040 U	2.18	0.005 U	0.010 U	17.4	0.010 U	0.050 U	0.050 U	0.002 U
	4/30/01	0.200 U	0.060 U	0.010 U	0.167	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.141	0.002	13.9	-	0.040 U	2.9	0.005 U	0.010 U	19.5	0.010 U	0.050 U	0.050 U	0.002 U
	10/25/01	0.075 U	0.05 U	0.005 U	0.197	0.002 U	0.005 U	-	0.010 U	0.01 U	0.017 U	0.11	0.020 U	15.4	-	0.012 U	2.04	0.005 U	0.01 U	17.7	0.001 U	0.01 U	0.049	0.002 U
	6/2/02	0.075 U	0.05 U	0.001 U	0.166	0.002 U	0.001 U	60.1	0.002 U	0.01 U	0.017 U	0.084	0.001 U	14.1	0.049	0.012 U	2.14	0.001 U	0.001 U	18.5	0.001 U	0.01 U	0.02 U	0.0002 U
	11/24/02	0.075 U	0.001 U	0.001	0.165	0.002 U	0.005 U	56.9	0.01 U	0.01 U	0.017 U	**0.378**	0.001 U	12.5	**0.745**	0.012 U	2.47	0.001 U	0.01 U	17.7	0.001 U	0.01 U	0.02 U	0.0002 U
	5/18/03	0.075 U	0.05 U	0.001 U	0.165	0.002 U	0.001 U	57.6	0.002 U	0.01 U	0.017 U	0.105	0.001 U	12.8	**0.333**	0.012 U	1.89	0.001 U	0.001 U	15.7	0.001 U	0.01 U	0.02 U	0.0002 U
	10/25/03	0.075 U	0.001 U	0.001 U	0.185	0.002 U	0.001 U	59.4	0.002 U	0.001 U	0.017 U	0.108	0.001 U	13	**0.854**	0.001 U	2.05	0.001 U	0.001 U	17.2	0.001 U	0.001 U	0.02 U	0.0002 U
	5/13/04	0.1 U	0.050 U	0.007	0.171	0.002 U	0.001 U	125	0.002 U	0.010 U	0.017 U	**13.9**	0.001 U	27	**4.56**	0.016	3.72	0.001 U	0.010 U	14.8	0.001 U	0.010 U	0.05	0.0002 U
	10/31/04	0.075 U	0.05 U	0.0014	0.171	0.0020 U	0.0010 U	61.2	0.0020 U	0.010 U	0.017 U	**1.96**	**0.031**	13.6	**1.34**	0.012 U	2.94	0.0010 U	0.010 U	18.3	0.0010 U	0.010 U	0.020 U	0.0002 U
	7/16/05	0.075 U	0.0010 U	0.0198	0.627	0.0020 U	0.0010 U	109	0.0020 U	0.010 U	0.017 U	**55.1**	0.0029	23.3	**22.2**	0.088	2.59	0.0010 U	0.010 U	13.8	0.0010 U	0.010 U	0.020 U	0.0002 U
	11/12/05	0.075 U	0.050 U	0.0042	0.094	0.0020 U	0.0010 U	60.2	0.0020 U	0.010 U	0.017 U	**12.3**	0.0010 U	13.6	**1.06**	0.012 U	3.23	0.0010 U	0.010 U	18.6	0.0010 U	0.010 U	0.020 U	0.0002 U
	6/19/06	0.100 U	0.060 U	0.050 U	0.209	0.005 U	0.005 U	61.9	0.005 U	0.050 U	0.005 U	**1.33**	0.005 U	12.6	**0.813**	0.020 U	2.13	0.005 U	0.010 U	14.4	0.010 U	0.020 U	0.013	0.0002 U
	11/14/06	0.0226 J	**0.104**	0.0061 J	0.228	0.00035 B	0.0015 U	71.7	0.0037 U	0.023 J	0.002 U	0.265	0.0024 U	14.3	**0.744**	0.0013 U	2.48 J	0.004 U	0.0036 U	17.3	0.0034 U	0.0063 U	0.0022 U	0.00006 U
	6/18/07	0.100 U	0.060 U	0.005 U	0.227	0.005 U	0.005 U	115 J	0.005 U	0.050 U	0.005 U	**14.6 J**	0.005 UJ	25.5 J	**0.993 J**	0.020 U	2.34	0.005 UJ	0.010 U	10.9 J	0.010 R	0.020 U	0.010 U	0.0002 UJ
	11/26/07	0.325 J	0.0162U	0.0024U	0.311 J	0.0003 U	0.0005 U	92.7 J	0.0027 U	0.0009 U	0.0039 J	**1.4 J**	0.0016 U	22.1	**0.963 J**	0.0009 U	2.64 J	0.0024 UJ	0.0024 U	17.4	0.0016 UJ	0.0065 U	0.0011 U	0.00006 UJ

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
	6/30/08	0.100 U	0.060 U	0.005 U	0.27	0.005 U	0.005 U	85.1	0.005 U	0.050 U	0.005 U	**0.354 J**	0.005 U	17.5	**0.921 J**	0.020 U	2.57 J	0.005 U	0.010 U	**20.4 J**	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.014 U	0.0051 R	0.0022 U	0.25	0.00024 U	0.00031 U	84.5	0.0052 U	0.00049 U	0.0025 U	**0.893 J**	0.0014 U	18	**0.692**	0.00066 U	2.47 J	0.0023 U	0.0014 U	17.5 J	0.0027 R	0.0086 U	0.0014 U	0.0002 UJ
	7/12/10	0.031 J	0.060 U	0.005 U	0.215	0.0001 J	0.0002 J	69.1	0.0050 U	0.050 U	0.0050 U	0.266	0.0050 U	14.7	**0.778**	0.020 U	2.43 J	0.0050 U	0.010 UJ	18.1 J	0.010 U	0.020 U	0.0042	0.0002 U
	7/14/11	0.0081 U	0.0196 U	0.0086 U	0.211	0.00014 U	0.00016 J	106	0.0047 U	0.005 J	0.0031 J	**10.2 J**	0.0042	19.2	0.078	0.0021 J	2.97 J	0.0038 J	0.0028 U	8.76 J	**0.0078 J**	0.0073 J	0.00081 U	0.00006 U
	7/11/12	0.100 U	0.060 U	0.015 J	0.129 J	0.005 U	0.005 U	63.6	0.005 U	0.050 U	0.005 U	**0.372 J**	0.005 U	13.4	0.24 J	0.020 U	2.47 J	0.005 UJ	0.010 UJ	14.2 J	0.010 UJ	0.020 U	0.010 U	0.00006 U
MW-4D	7/15/13	0.0061 U	0.002 U	0.0062 J	0.224	0.00017 J	0.00015 U	70.04 J	0.0027 U	0.00073 U	0.0011 U	0.153	0.0021 U	15 J	**0.695**	0.00046 U	2.23 J	0.0031 U	0.0027 U	19.2 J	0.0033 R	0.0109 U	0.0022 J	0.00015 U
	9/16/14	0.0157 U	0.0028 U	0.0022 U	0.162 J	0.00022 U	0.00041 U	92.9	0.0028 U	0.00097 J	0.0027 U	**3.04 J**	0.0021 U	19.1	0.224	0.00036 U	2.46 J	0.0015 U	0.004 UJ	12.5	0.003 R	0.0042 U	0.0093 U	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.0034 J	0.143 J	0.00041 U	0.00044 U	64.4	0.0099 U	0.00058 U	0.0024 U	**1.29J**	0.0029 U	13.8	0.184	0.00080 U	2.07	0.0042 UJ	0.0025 U	18.2J	0.0043 R	0.0051 U	0.00039 U	0.00005 U
	9/26/16	0.016 U	0.0027	0.0028 U	0.124 B	0.00012 U	0.00037 U	80.8	0.0079 B	0.00058 B	0.0017 U	**0.818 J**	0.0024 U	1.63	0.067	0.0004 U	2.160 B	0.0034 U	0.0039 U	**40.8 B**	0.0035 R	0.0042 U	0.0063 B	0.00003 U
	11/29/17	0.0358	0.004 U	0.0012	0.3422	0.0005 U	0.0002 U	106	0.00029 J	0.00018 J	0.001U	0.297	0.00034U	22.8	**1.217**	0.00071 J	2.56	0.00173 U	0.00016 U	**29.1**	0.00014 U	0.00157 U	0.00341 U	0.00006 U
	10/26/18	0.0991	0.004 U	0.00348	0.415	0.0005 U	0.0002 U	85	0.001 U	0.00117	0.00102	**2.39**	0.00052 J	19	**3.292**	0.00128 J	2.36	0.005 U	0.0004 U	**31.7**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/7/19	0.0565	0.00059 J	0.00117	0.2204	0.0005 U	0.0002 U	109	0.00030 J	0.00032 J	0.00101	**1.8**	0.001 U	19.9	**0.9703**	0.00095 J	2.52	0.005 U	0.0004 U	11.7	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/5/20	0.0712	0.004 U	0.00278	0.2678	0.0005 U	0.0002 U	77.8	0.00034 J	0.00076	0.00117	**2.45 J+**	0.001 U	14.7	**2.552**	0.00175 J	2.46	0.005 U	0.0004 U	**20.7**	0.001 U	0.005 U	0.01 U	0.0002 U
	11/4/21	0.0352	0.00073 J	0.00142	0.2324	0.0005 U	0.0002 U	68	0.001 U	0.00028 J	0.00044 J	**1.92**	0.001 U	14.1	**0.9812**	0.00072 J	2.17	0.005 U	0.0004 U	**20.7**	0.001 U	0.005 U	0.0118	0.0002 U
	10/24/22	0.2	0.0318 U	0.0119	0.437	0.0009 U	0.0010 U	111	0.0021 U	0.0017 J	0.0022 U	**13.**	0.0027 U	22.	**5.7**	0.0024 U	2.71	0.0035 U	0.0028 U	**26.4**	0.0025 U	0.002 U	0.0021 U	0.00009 U
MW-7S	12/12/95	1.4	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	95	0.010 U	0.050 U	0.025 U	**2.5**	0.003 U	21.7	**2.1**	0.040 U	5.00 U	0.005 U	0.010 U	**86.1**	0.010 U	0.050 U	0.067	0.0002 U
	3/28/96	U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	84.9	0.010 U	0.050 U	0.025 U	U	0.003 U	20.5	**1.8**	0.040 U	5.00 U	0.005 U	0.010 U	**82.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/1/96	0.98	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	82.4	0.010 U	0.050 U	0.025 U	**2.4**	0.003 U	19.4	**1.8**	0.040 U	5.00 U	0.005 U	0.010 U	**84**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/15/96	7.1	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	81.4	0.010 U	0.050 U	0.025 U	**12.5**	0.003 U	19.2	**2.1**	0.040 U	5.00 U	0.005 U	0.010 U	**113**	0.010 U	0.050 U	0.057	0.0002 U
	4/2/97	U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	76.8	0.010 U	0.050 U	0.025 U	U	0.003 U	17.7	**1.9**	0.040 U	5.00 U	0.005 U	0.010 U	**87.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	0.59	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	84.4	0.010 U	0.050 U	0.025 U	**1**	0.003 U	17.6	**1.7**	0.040 U	5.00 U	0.005 U	0.010 U	**90.4**	0.010 U	0.050 U	0.2	0.0002 U
	4/30/98	0.66	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	92	0.010 U	0.050 U	0.025 U	**0.55**	0.003 U	20.2	**2.1**	0.040 U	5.00 U	0.005 U	0.010 U	**91.1**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/27/98	Well Dry - unable to collect samples																						
	5/3/99	1.1	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	86.7	0.010 U	0.050 U	0.025 U	**1.5**	0.003 U	18.8	**1.9**	0.040 U	5.00 U	0.005 U	0.010 U	**101**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/11/99	1.1	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	113	0.015	0.050 U	0.025 U	**1.5**	0.003 U	24.3	**2.1**	0.040 U	5.00 U	0.005 U	0.010 U	**94**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/10/00	11	0.060 U	0.007	0.172	0.005 U	0.005 U	86	0.019	0.012	0.023	**17.2**	0.005	22.3	**2.38**	0.028	4.67	0.005 U	0.010 U	**81.5**	0.010 U	0.014	0.047	0.0002 U
	10/29/00	0.334	0.060 U	0.010 U	0.07	0.005 U	0.005 U		0.010 U	0.050 U	0.025 U	**0.59**	0.003	20	-	0.040 U	2.34	0.005 U	0.010 U	**90.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/01	0.354	0.060 U	0.010 U	0.066	0.005 U	0.005 U		0.010 U	0.050 U	0.025 U	**0.628**	0.002	20.2	-	0.040 U	2.22	0.005 U	0.010 U	**83.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075 U	0.05 U	0.005 U	0.054	0.002 U	0.005 U		0.01 U	0.01 U	0.017 U	0.344	0.002 U	18	-	0.014 U	2.63	0.005 U	0.01 U	92.9	0.001 U	0.01 U	0.026 U	0.0002 U
	6/2/02	0.586	0.05 U	0.001 U	0.052	0.002 U	0.001 U	74.6	0.002 U	0.01 U	0.017 U	**0.917**	0.001 U	17.2	**1.56**	0.012 U	2	0.001 U	0.001 U	**89.2**	0.001 U	0.01 U	0.02 U	0.0002 U
	11/24/02	No Metals Required																						
	5/18/03	0.118	0.05 U	0.001 U	0.065	0.002 U	0.001 U	76	0.002 U	0.01 U	0.017 U	0.159	0.001 U	18.6	**0.631**	0.012 U	3.85	0.001 U	0.001 U	**68.8**	0.001 U	0.01 U	0.02 U	0.0002 U
	10/25/03	No Metals Required																						
	5/13/04	0.945	0.050 U	0.001 U	0.067	0.002 U	0.001 U	92.1	0.002 U	0.010 U	0.017 U	**0.763**	0.002	21.5	**1.26**	0.012 U	4.3	0.001 U	0.010 U	**81.7**	0.001 U	0.010 U	0.068	0.0002 U
	10/31/04	No Metals Required																						
	7/16/05	0.129	0.0010 U	0.0010 U	0.066	0.0020 U	0.0010 U	89.2	0.0020 U	0.010 U	0.017 U	**0.457**	0.002	20.8	**2.04**	0.012 U	3.43	0.0010 U	0.010 U	**91.5**	0.0010 U	0.010 U	0.020 U	0.0002 U
	11/12/05	No Metals Required																						
	6/19/06	3.98	0.060 U	0.050 U	0.201	0.005 U	0.005 U	98.4	0.01	0.050 U	0.015	**9.5**	0.005 U	21.3	**7.24**	0.020 U	10	0.005 U	0.010 U	**40.4**	0.010 U	0.020 U	0.038	0.0002 U
	11/14/06	No Metals Required																						
	6/18/07	0.100 U	0.060 U	0.005 U	0.107	0.005 U	0.005 U	75.8 J	0.005 U	0.050 U	0.013	0.092 J	0.005 UJ	21.8 J	**7.24 J**	0.020 U	10.7	0.005 UJ	0.010 U	**30.9 J**	0.010 R	0.020 U	0.014	0.0002 UJ
	6/30/08	0.446	0.060 U	0.005 U	0.07	0.005 U	0.005 U	74	0.005 U	0.050 U	0.005 U	**0.966 J**	0.005 U	17.5	**1.3 J**	0.020 U	7.34 J	0.005 U	0.010 U	**47.5 J**	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.146 J	0.0051 R	0.0022 U	0.0713 J	0.00024 U	0.00031 U	73.9	0.0052 U	0.00093 J	0.0042 J	0.148 J	0.0014 U	16.8	**1.52**	0.0015 J	2.68 J	0.0071 J	0.0014 U	**51.9 J**	0.0027 R	0.0086 U	0.0018 J	0.0002 UJ
	7/12/10	0.495	0.060 U	0.0050 U	0.0529	0.0001 J	0.0050 U	63.1	0.0050 U	0.0006 J	0.0081	**0.963**	0.0050 U	14	**1.6**	0.0022 J	3.15 J	0.0050 U	0.010 UJ	**69.7 J**	0.010 U	0.020 U	0.0076 J	0.0002 U
	7/14/11	0.191 J	0.0196 U	0.0015 U	0.0915 J	0.00014 U	0.00054 J	76	0.0047 U	0.0023 J	0.0079 J	**0.719 J**	0.0035	18.1	**2.9**	0.0029 J	6.09 J	0.0026 J	0.0028 U	**60.5 J**	0.0021 U	0.0049 U	0.0071 J	0.00006 U
	7/11/12	0.100 U	0.060 U	0.005 J	0.051 J	0.005 U	0.005 U	85.8	0.005 U	0.050 U	0.005 U	0.005 U	0.005 U	20.1	**1.17 J**	0.020 U	4.84 J	0.005 UJ	0.010 UJ	**47.4 J**	0.010 UJ	0.020 U	0.010 U	0.00006 U
	7/15/13	0.0061 U	0.002 U	0.0069 J	0.0385 J	0.0001 U	0.00035 U	74.5 J	0.0027 U	0.00073 U	0.0043 J	0.003 J	0.0021 U	17.1 J	**1.57**	0.0025 J	3.02 J	0.0031 U	0.0027 U	**109 J**	0.0033 R	0.0109 U	0.00078 U	0.00015 U
	9/15/14	0.0157 U	0.0028 U	0.0041 J	0.083 J	0.00022 U	0.00041 U	106	0.0028 U	0.0018 J	0.0038 J	0.0467 J	0.0021 U	20.1	**2.13**	0.0029 J	3.37 J	0.0015 U	0.0052 UJ	**76.9**	0.003 R	0.0042 U	0.0032 U	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.0039 J	0.0706 J	0.00041 U	0.00044 U	82.9	0.0099 U	0.00097 J	0.0028 J	0.0865 J	0.0029 U	19.5	**1.79**	0.0023 J	2.69 J	0.0043 UJ	0.0025 U	**56.8J**	0.0043 R	0.0051 U	0.00040 J	0.00005 U
	9/26/16	0.486	0.0027 U	0.0062 B	0.108 B	0.00013 B	0.00037 U	96.2	0.0069 U	0.0019 B	0.0023 B	0.599 R	0.0024 U	22.3	**2.07**	0.0029 B	3.070 B	0.0034 U	0.0039 U	**68.7**	0.0035 R	0.0042 U	0.0046 B	0.00003 U
	11/28/17	0.0862	0.00042 U	0.00031 J	0.07490	0.00010 U	0.00005 U	91.7	0.00046 J	0.00083	0.00371	0.168	0.00034 U	19.9	**1.878**	0.00238	2.28	0.00173 U	0.00016 U	**53.4**	0.00014 U	0.00157 U	0.00341 U	0.00006 U
	11/28/17 DUP	0.0771	0.00042 U	0.00029 J	0.07516	0.00010 U	0.00005 U	101	0.00051 J	0.00085	0.00434	0.154	0.00034 U	21.6	**1.928**	0.00266	2.55	0.00173 U	0.00016 U	**57.7**	0.00014 U	0.00157 U	0.00341 U	0.00006 U
	10/24/18	0.166	0.004 U	0.0006	0.08061	0.0005 U	0.00032	90.9	0.001 U	0.00152	0.00224	**0.337**	0.00212	20.5	**1.538**	0.00243	2.88	0.005 U	0.0004 U	**68.3**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/6/19	0.022	0.004 U	0.00035 J	0.07327	0.0005 U	0.00008 J	103	0.00025 J	0.0011	0.00178	0.0608	0.001 U	23.	**2.06**	0.00244	2.59	0.005 U	0.0004 U	**59.8**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/6/19 DUP	0.02	0.004 U	0.00030 J	0.07229	0.0005 U	0.0002 U	104	0.00025 J	0.00106	0.00175	0.0480 J	0.001 U	22.7	**2.061**	0.0024	2.58	0.005 U	0.0004 U	**59.6**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/3/20	0.0753	0.004 U	0.00055	0.09208	0.0005 U	0.00008 J	109	0.00057 J	0.00127	0.00299	0.236 J+	0.00072 J	23.4	**2.613**	0.00314	5.67	0.005 U	0.0004 U	**62.9**	0.001 U	0.005 U	0.00498 J	0.0002 U
	11/3/20 DUP	0.0728	0.004 U	0.00054	0.09259	0.0005 U	0.00009 J	112	0.00065 J	0.0013	0.00297	0.226 J+	0.00085 J	23.7	**2.595**	0.00324	6.26	0.005 U	0.0004 U	**63.8**	0.001 U	0.005 U	0.0057 J	0.0002 U
	11/2/21	0.0603 J	0.004 U	0.0006	0.0724	0.0005 U	0.00006 J	95.7	0.00033 J	0.00133	0.00438	0.102 J	0.00131	20.8	**1.002**	0.00284	2.6	0.005 U	0.0004 U	**57.7**	0.001 U	0.005 U	0.01418	0.0002 U
	11/2/21 DUP	0.0905 J	0.0005 J	0.00061	0.07069	0.0005 U	0.00008 J	94.5	0.00033 J	0.00158	0.00514	0.156 J	0.00138	21.1	**1.026**	0.00316	2.6	0.005 U	0.0004 U	**60.6**	0.001 U	0.005 U	0.01376	0.0002 U
	9/16/22	0.032 U	0.007 U	0.002 U	0.071	0.001 U	0.001 U	101.	0.002 U	0.002 U	0.002 J	0.032 J	0.003 U	21.6	**2.16**	0.003 J	2.56	0.004 U	0.003 U	**60.9**	0.003 U	0.002 U	0.005 J	0.00009 J

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
MW-7D	12/12/95	0.200 U	0.060 U	0.010 U	0.28	0.005 U	0.005 U	133	0.010U	0.050 U	0.025 U	0.100 U	0.003 U	20.5	0.24	0.040 U	5.000 U	0.005 U	0.010 U	**39**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/5/96	0.200 U	0.060 U	0.010 U	0.3	0.005 U	0.005 U	143	0.010U	0.050 U	0.025 U	0.100 U	0.003 U	20.9	0.19	0.040 U	5.000 U	0.005 U	0.010 U	**38**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/1/96	0.200 U	0.060 U	0.010 U	0.24	0.005 U	0.005 U	113	0.010U	0.050 U	0.025 U	**0.45**	0.003 U	17.7	**0.37**	0.040 U	5.000 U	0.005 U	0.010 U	**30.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/15/96	3.6	0.060 U	0.010 U	0.3	0.005 U	0.005 U	127	0.010U	0.050 U	0.025 U	**5.1**	0.003 U	18.8	**0.42**	0.040 U	5.000 U	0.005 U	0.010 U	**40.4**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/2/97	0.41	0.060 U	0.010 U	0.3	0.005 U	0.005 U	142	0.010U	0.050 U	0.025 U	**0.65**	0.003 U	20.9	**0.38**	0.040 U	5.000 U	0.005 U	0.010 U	**38.4**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	0.200 U	0.060 U	0.010 U	0.25	0.005 U	0.005 U	122	0.010U	0.050 U	0.025 U	0.100 U	0.003 U	16.9	0.3	0.040 U	5.000 U	0.005 U	0.010 U	**33.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	1.3	0.060 U	0.010 U	0.24	0.005 U	0.005 U	114	0.010U	0.050 U	0.025 U	**1.5**	0.003 U	16.2	0.22	0.040 U	5.000 U	0.005 U	0.010 U	**35.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/27/98	Well Dry - unable to collect samples																						
	5/3/99	1	0.060 U	0.010 U	0.27	0.005 U	0.005 U	126	0.010U	0.050 U	0.025 U	**1.2**	0.003 U	17.8	0.28	0.040 U	5.000 U	0.005 U	0.010 U	**37.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/12/99	0.200 U	0.060 U	0.010 U	0.27	0.005 U	0.005 U	133	0.010U	0.050 U	0.025 U	0.25	0.003 U	19	0.19	0.040 U	5.000 U	0.005 U	0.010 U	**34.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/11/00	0.200 U	0.060 U	0.010 U	0.251	0.005 U	0.005 U	118	0.012	0.050 U	0.025 U	0.174	0.002	17.9	0.275	0.040 U	2.16	0.005 U	0.010 U	**32**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/29/00	0.154	0.060 U	0.010 U	0.196	0.005 U	0.005 U		0.010 U	0.050 U	0.025 U	**0.444**	0.006	14.9		0.040 U	3.27	0.005 U	0.010 U	**30.1**	0.010 U	0.050 U	0.031	0.0002 U
	4/30/01	0.200 U	0.060 U	0.010 U	0.234	0.005 U	0.005 U		0.010 U	0.050 U	0.039	0.058	0.002	16.7		0.040 U	2.37	0.005 U	0.010 U	**31**	0.010 U	0.050 U	0.031	0.0002 U
	10/25/01	0.075 U	0.05 U	0.005 U	0.213	0.002 U	0.005 U		0.01 U	0.01 U	0.017 U	0.141	0.003 U	16.5		0.012 U	2.3	0.005 U	0.01 U	**27.7**	0.001 U	0.01 U	0.022	0.0002 U
	6/2/02	0.075 U	0.05 U	0.001 U	0.26	0.002 U	0.001 U	123	0.002 U	0.01 U	0.017 U	0.099	0.001 U	18.4	0.264	0.012 U	1.96	0.001 U	0.001 U	**31.1**	0.001 U	0.01 U	0.027	0.0002 U
	11/24/02	No Metals Required																						
	5/18/03	0.079	0.05 U	0.001 U	0.227	0.002 U	0.001 U	106	0.002 U	0.01 U	0.017 U	0.051	0.001	16.1	0.021	0.012 U	2.17	0.001 U	0.001 U	**26.6**	0.001 U	0.01 U	0.02 U	0.0002 U
MW-7D	10/25/03	No Metals Required																						
	5/13/04	0.1 U	0.050 U	0.001 U	0.252	0.002 U	0.001 U	115	0.002 U	0.010 U	0.017 U	0.089	0.001 U	16.7	0.199	0.012 U	2.98	0.001 U	0.010 U	**28.4**	0.001 U	0.010 U	0.054	0.0002 U
	10/31/04	No Metals Required																						
	7/16/05	0.075 U	0.0010 U	0.0010 U	0.251	0.0020 U	0.0010 U	121	0.0020 U	0.010 U	0.017 U	0.0717	0.0010 U	18.1	0.25	0.012 U	2.77	0.0010 U	0.010 U	**31.2**	0.0010 U	0.010 U	0.020 U	0.0002 U
	11/12/05	No Metals Required																						
	6/19/06	1.12	0.060 U	0.050 U	0.29	0.005 U	0.005 U	123	0.005 U	0.050 U	0.015	**2.14**	0.005 U	15.8	0.249	0.020 U	2.59	0.005 U	0.010 U	**23.5**	0.010 U	0.020 U	0.024	0.0002 U
	11/14/06	No Metals Required																						
	6/18/07	0.100 U	0.060 U	0.005 U	0.242	0.005 U	0.005 U	108 J	0.005 U	0.050 U	0.006	0.050 U	0.005 UJ	15.7 J	0.193 J	0.020 U	2.16	0.005 UJ	0.010 U	**22.7 J**	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/30/08	0.121	0.060 U	0.005 U	0.271	0.005 U	0.005 U	135	0.005 U	0.050 U	0.005 U	0.212 J	0.005 U	16.4	0.218 J	0.020 U	2.48 J	0.005 U	0.010 U	**28.4 J**	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.0361 J	0.0057 R	0.0022 U	0.234	0.00027 J	0.00031 U	122	0.0052 U	0.00063 J	0.0037 J	0.0074 J	0.0014 U	17.4	0.099	0.00088 J	2.75 J	0.0066 J	0.0014 U	**27.3 J**	0.0027 R	0.0086 U	0.0015 J	0.0002 UJ
	7/12/10	0.100 U	0.060 U	0.0050 U	0.236	0.0001 J	0.0050 U	105	0.0050 U	0.050 U	0.0022 J	0.033 J	0.0050 U	15.2	0.228	0.0008 J	2.44 J	0.0050 U	0.010 UJ	**30.2 J**	0.010 U	0.020 U	0.0048 J	0.0002 U
	7/14/11	0.0081 U	0.0196 U	0.0015 U	0.222	0.00014 U	0.00013 U	108	0.0047 U	0.00043 U	0.0025 U	0.00011 UJ	0.0019 U	16	0.181	0.0014 J	2.48 J	0.0025 U	0.0028 U	**28.7 J**	0.0021 U	0.0049 U	0.00081 U	0.00006 U
	7/11/12	0.100 U	0.060 U	0.008 J	0.258 J	0.005 U	0.005 U	125	0.005 U	0.050 U	0.005 U	0.050 U	0.005 U	18.1	0.223 J	0.020 U	3.06 J	0.005 UJ	0.010 UJ	**27.6 J**	0.010 UJ	0.020 U	0.010 U	0.00006 U
	7/15/13	0.0061 U	0.002 U	0.0094 J	0.209	0.0001 U	0.00097 J	100 J	0.0027 U	0.00073 U	0.00011 U	0.00058 J	0.0021 U	14.5 J	0.0184	0.0012 J	3.16 J	0.0031 U	0.0027 U	**31.9 J**	0.0033 R	0.0109 U	0.00078 U	0.00015 U
	9/15/14	0.0157 U	0.0028 U	0.0057 J	0.245	0.00022 U	0.00041 U	115	0.0028 U	0.0012 J	0.0027 U	0.033 J	0.0021 U	17.9	0.193	0.0016 J	2.88 J	0.0015 U	0.0018 UJ	**38.5**	0.003 R	0.0042 U	0.0032 U	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.0042 J	0.222	0.00041 U	0.00044 U	108	0.0099 U	0.00062 J	0.0024 U	0.0101 UJ	0.0029 U	16.4	0.071	0.0013 J	2.68 J	0.0042 UJ	0.0025 U	**33J**	0.0043 R	0.0051 U	0.00039 U	0.00005 U
	9/29/16	0.0166 U	0.0027 U	0.0077 B	0.226	0.00012 U	0.00037 U	109	0.0007 B	0.00083 B	0.0024 B	0.0017 J	0.0024 U	16.6	0.0414	0.00097 B	2.97 B	0.0034 U	0.0039 U	**34.7**	0.0035 R	0.0042 U	0.00029 U	0.00003 U
	11/28/17	0.0553	0.00042 U	0.00024 J	0.2324	0.00010 U	0.00005 U	128	0.00041 J	0.00049 J	0.00048 J	0.0988	0.00034 U	17.7	**0.4988**	0.00238	2.60	0.00173 U	0.00016 U	**41.2**	0.00014 U	0.00157 U	0.00341 U	0.00006 U
	10/24/18	0.0153	0.004 U	0.0002 J	0.2627	0.0005 U	0.00011 J	117	0.001 U	0.0003 J	0.00055 J	0.0424 J	0.001 U	16.9	0.2481	0.0017 J	2.17	0.005 U	0.0004 U	**39.3**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/6/19	0.0141	0.00047 J	0.00024 J	0.2592	0.0005 U	0.00008 J	124	0.001 U	0.00034 J	0.00066 J	0.0411 J	0.001 U	17.2	0.2979	0.00162 J	2.37	0.005 U	0.0004 U	**33.2**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/3/20	0.0201	0.00071 J	0.0003 J	0.286	0.0005 U	0.0002 U	128	0.00026 J	0.0004 J	0.00091 J	0.07 U	0.001 U	17.1	0.2641	0.00171 J	2.42	0.005 U	0.0004 U	**35.7**	0.001 U	0.005 U	0.01 U	0.0002 U
	11/2/21	0.00958 J	0.00046 J	0.00037 J	0.2376	0.0005 U	0.0002 U	115	0.00028 J	0.00025 J	0.002 U	0.0201 J	0.001 U	16.1	0.1669	0.00161 J	2.19	0.005 U	0.0004 U	**33.3**	0.001 U	0.005 U	0.00889 J	0.0002 U
	9/14/22	0.032 U	0.007 U	0.002 U	0.217	0.001 U	0.001 U	118	0.002 U	0.002 U	0.002 U	0.021 J	0.003 U	16.4	0.164	0.002 U	2.39	0.004 U	0.003 U	**35.7**	0.003 U	0.002 U	0.004 J	0.00009 J
MW-10S/ RMW/10S	12/13/95	2.5	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	55.5	0.010 U	0.050 U	0.025 U	**3.8**	0.003 U	9.9	**2.3**	0.040 U	5.00 U	0.005 U	0.010 U	17.4	0.010 U	0.050 U	0.050 U	0.0002 U
	4/5/96	0.200 U	0.060 U	0.010 U	0.99	0.005 U	0.005 U	6.5	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	8	U	0.040 U	25.1	0.005 U	0.010 U	**90.9**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	0.24	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	56	0.010 U	0.050 U	0.025 U	**0.35**	0.003 U	9.5	**0.37**	0.040 U	5.00 U	0.005 U	0.010 U	13	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.21	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	50.4	0.010 U	0.050 U	0.025 U	**0.37**	0.003 U	8.7	**1.7**	0.040 U	5.00 U	0.005 U	0.010 U	13.6	0.010 U	0.050 U	0.050 U	0.0002 U
	4/2/97	1.2	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	50.4	0.010 U	0.050 U	0.025 U	**1.7**	0.003 U	8.5	**0.94**	0.040 U	5.00 U	0.005 U	0.010 U	12.4	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	Well Failure - unable to collect samples																						
	4/30/98	2.6	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	51.4	0.014	0.050 U	0.025 U	**3.8**	0.003 U	8.8	**1.5**	0.040 U	5.00 U	0.005 U	0.010 U	16.3	0.010 U	0.050 U	0.050 U	0.0002 U
	10/27/98	0.41	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	54.5	0.010 U	0.050 U	0.025 U	**1.3**	0.003 U	8.4	**1**	0.040 U	5.00 U	0.005 U	0.010 U	17.2	0.010 U	0.050 U	0.069	0.0002 U
	5/3/99	0.99	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	50.4	0.010 U	0.050 U	0.025 U	**1.9**	0.003 U	8.2	**1.6**	0.040 U	5.00 U	0.005 U	0.010 U	15	0.010 U	0.050 U	0.050 U	0.0002 U
	10/11/99	0.99	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	54.2	0.010 U	0.050 U	0.025 U	**1.9**	0.003 U	8.7	**1.1**	0.040 U	5.00 U	0.005 U	0.010 U	13.6	0.010 U	0.050 U	0.050 U	0.0002 U
	5/10/00	0.395	0.060 U	0.010 U	0.035	0.005 U	0.005 U	49.7	0.010 U	0.050 U	0.025 U	**0.704**	0.001	8.61	**1.33**	0.040 U	1.62	0.005 U	0.010 U	15.8	0.010 U	0.050 U	0.036	0.0002 U
	10/28/00	0.328	0.060 U	0.010 U	0.037	0.005 U	0.005 U		0.010 U	0.050 U	0.025 U	**0.649**	0.003	8.19		0.040 U	1.75	0.005 U	0.010 U	13.1	0.010 U	0.050 U	0.050 U	0.0002 U
	4/29/01	1.57	0.060 U	0.010 U	0.054	0.005 U	0.005 U		0.010 U	0.050 U	0.025 U	**2.82**	0.003	8.61		0.040 U	1.89	0.005 U	0.010 U	16.8	0.010 U	0.050 U	0.028	0.0002 U
	10/25/01	0.075 U	0.05 U	0.005	0.035	0.002 U	0.005		0.01	0.01 U	0.017 U	0.262	0.004	7.56		0.012	1.42	0.005	0.01 U	12.4	0.001 U	0.01 U	0.024	0.0002 U
	6/2/02	6.01	0.05 U	0.003	0.157	0.002 U	0.002	54.6	0.01	0.01 U	0.017 U	**10.5**	0.005	10.1	**6.61**	0.032	3.04	0.002	0.001 U	15.4	0.001 U	0.01 U	0.053	0.0002 U
	5/18/03	2.4	0.05 U	0.001	0.06	0.002 U	0.001 U	49.7	0.003	0.01 U	0.017 U	**3.32**	0.003	8.18	**1.29**	0.015	2.03	0.001 U	0.001 U	12.1	0.001 U	0.01 U	0.02 U	0.0002 U
	5/14/04	0.238	0.050 U	0.001 U	0.162	0.002 U	0.001 U	42	0.003	0.010 U	0.017 U	**0.651**	0.003	6.7	**0.675**	0.012 U	1.74	0.001 U	0.010 U	12.1	0.001 U	0.010 U	0.017	0.0002 U
	7/16/05	Damaged Well - unable to collect samples																						
	6/19/06	Insufficient Recovery - unable to collect samples																						
	6/18/07	Insufficient Recovery - unable to collect samples																						
	6/30/08	9.42	0.060 U	0.005 U	0.149	0.005 U	0.005 U	44.5	0.016	0.050 U	0.01	**17.7 J**	0.009	8.3	**7.7 J**	0.020 U	2.74 J	0.005 U	0.010 U	12.1 J	0.010 UJ	0.020 U	0.051	0.0002 U

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
	6/8/09	0.878	0.0051 R	0.0022 U	0.0826 J	0.00035 J	0.001 J	49.6	0.0052 U	0.0015 J	0.0041 J	**1.44 J**	0.0014 U	6.93	**2.59**	0.003 J	1.34 J	0.0023 U	0.0014 U	11.5 J	0.0155 R	0.0086 U	0.057	0.0002 UJ
	7/12/10	0.541	0.060 U	0.0050 U	0.077	0.0003 J	0.0018 J	47	0.0050 U	0.0015 J	0.0038 J	**1.51**	0.0050 U	6.56	**4.09**	0.0034 J	1.71 J	0.0050 U	0.010 UJ	13.2 J	**0.0106**	0.020 U	0.0281	0.0002 U
	7/14/11	2.48	0.0196 U	0.0015 U	0.293	0.00023 J	**0.02**	60.8	0.0062 J	0.0053 J	0.0456	**5.38 J**	0.0161	7.71	**15.4**	0.0153 J	2.49 J	**0.016**	0.0028 U	13.7 J	**0.032 J**	0.0218 J	0.243	0.00007 J
	7/11/12	Well Failure - unable to collect samples																						
	7/15/13	Well Failure - unable to collect samples																						
	9/16/14	0.0157 U	0.0028 U	0.0026 J	0.0512 J	0.00022 U	0.00041 U	54.5	0.0028 U	0.0015 J	0.0027 U	**0.357 J**	0.0021 U	9.22	**2.6**	0.0012 J	4.9 J	0.0015 U	0.0032 UJ	18.1	**0.0051 J**	0.0042 U	0.0062 U	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.0032 J	0.0031 J	0.00041 U	0.00044 U	55.3	0.0099 U	0.00058 U	0.0024 U	0.0235 UJ	0.0029 U	8.12	**1.18**	0.0012 J	3.2 J	0.0042 UJ	0.0025 U	15.5J	0.0043 R	0.0051 U	0.0476	0.00005 U
	9/26/16	11.6	0.0027 U	0.0049 B	1.35	0.0028 B	0.00082 B	98.6	0.0256	0.0068 B	0.00284	**0.941 J**	0.00249 B	12.6	**7.52**	0.00249 B	5.57	0.0034 U	0.0039 U	16.5	0.0202 R	0.0042 U	0.00726	0.00003 U
	11/29/17	0.380	0.00042 U	0.00052	0.03909	0.00010 U	0.00006 J	44.7	0.00126	0.00038 J	0.00117	**0.844**	0.00047 J	7.39	0.2778	0.00080 J	1.99	0.00173 U	0.00016 U	14.5	0.00014 U	0.00157 U	0.01549	0.00006 U
	10/26/18	7.86	0.004 U	0.00357	0.1729	0.00037 J	0.00011 J	50.8	0.001 J	0.00717	0.01202	**16**	0.00543	9.94	**1.418**	0.01514	5.2	0.005 U	0.0004 U	15.7	0.0005 U	0.01403	0.07869	0.0002 U
	11/8/19	1.97	0.004 U	0.00167	0.1417	0.00021 J	0.00009 J	49.4	0.00679	0.00182	0.00466	**2.76**	0.00112	7.62	**1.137**	0.0033	2.43	0.00212	0.0004 U	15.3	0.0005 U	0.00296 J	0.01111	0.0002 U
	11/6/20	4.61	0.004 U	0.00308	0.115	0.00022 J	0.0002 U	57.6	0.01108	0.00422	0.00659	**10.6 J+**	0.00278	10.4	**1.688**	0.00898	2.84	0.005 U	0.0004 U	15.1	0.001 U	0.00858	0.02051	0.0002 U
	11/5/21	1.45	0.0005 J	0.00099	0.07035	0.0005 U	0.0002 U	39.3	0.00433	0.00128	0.00272	**2.74**	0.00131	7.91	0.2809	0.00277	2.82	0.005 U	0.0004 U	15.5	0.001 U	0.00267 J	0.01825	0.0002 U
	10/25/22	1.88	0.0071 U	0.0019 U	0.0728	0.0009 U	0.001 U	46.8	0.0055 J	0.0022 U	0.0035 J	**3.7**	0.0027 U	8.32	**1.2**	0.0032 J	2.34 J	0.0035 U	0.0028 U	15.	0.0025 U	0.0029 J	0.0122 J	0.00009 U
MW-10D	12/13/95	0.200 U	0.060 U	0.010 U	0.97	0.005 U	0.005 U	12.5	0.010 U	0.050 U	0.025 U	**0.31**	0.003 U	8.1	0.025	0.040 U	32.9	0.005 U	0.010 U	**103**	0.010 U	0.050 U	0.050 U	0.0002 U
	3/29/96	0.36	0.060 U	0.010 U	**4.3**	0.005 U	0.005 U	51.8	0.010 U	0.050 U	0.025 U	0.28	0.003 U	12	0.12	0.040 U	32.9	0.005 U	0.010 U	**72.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	0.200 U	0.060 U	0.010 U	**4.8**	0.005 U	0.005 U	59.3	0.010 U	0.050 U	0.025 U	0.2	0.003 U	12.9	0.14	0.040 U	5	0.005 U	0.010 U	**80.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.012	0.060 U	0.010 U	**1.6**	0.005 U	0.005 U	21.5	0.010 U	0.050 U	0.025 U	**0.35**	0.003 U	7.8	0.056	0.040 U	19.9	0.005 U	0.010 U	**84.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/11/97	0.74	0.060 U	0.010 U	**4.3**	0.005 U	0.005 U	53.7	0.010 U	0.050 U	0.025 U	**0.79**	0.003 U	11.3	0.14	0.040 U	5.00 U	0.005 U	0.010 U	**71.8**	0.010 U	0.050 U	0.053	0.0002 U
	10/23/97	0.9	0.060 U	0.010 U	**4.8**	0.005 U	0.005 U	59.2	0.010 U	0.050 U	0.025 U	**0.73**	0.003 U	11.9	0.14	0.040 U	5.00 U	0.005 U	0.010 U	**86.4**	0.010 U	0.050 U	0.053	0.0002 U
	4/30/98	0.38	0.060 U	0.010 U	**4.9**	0.005 U	0.005 U	61.3	0.010 U	0.050 U	0.025 U	**0.32**	0.003 U	12.4	0.15	0.040 U	5.00 U	0.01	0.010 U	**88.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/27/98	0.200 U	0.060 U	0.010 U	**5.5**	0.005 U	0.005 U	67.5	0.010 U	0.050 U	0.025 U	0.22	0.003 U	13.4	0.17	0.040 U	5.00 U	0.01	0.010 U	**93.5**	0.010 U	0.050 U	0.069	0.0002 U
	5/3/99	0.200 U	0.060 U	0.010 U	**4.4**	0.005 U	0.005 U	59.6	0.010 U	0.050 U	0.025 U	0.12	0.012	12.7	0.14	0.040 U	5.00 U	0.005 U	0.010 U	**81**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/12/99	0.200 U	0.060 U	0.010 U	**4.6**	0.005 U	0.005 U	60	0.010 U	0.050 U	0.025 U	0.26	0.003 U	12.4	0.14	0.040 U	5.00 U	0.005 U	0.010 U	**82.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/10/00	0.200 U	0.060 U	0.010 U	**4.89**	0.005 U	0.005 U	54.1	0.010 U	0.050 U	0.025 U	0.145	0.002	11.5	0.119	0.040 U	3.73	0.005 U	0.010 U	**86.6**	0.010 U	0.050 U	0.050 U	0.0002 U
MW-10D	10/28/00	0.200 U	0.060 U	0.010 U	**4.4**	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.089	0.002	11	-	0.040 U	3.58	0.005 U	0.010 U	**73.4**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/29/01	0.200 U	0.060 U	0.010 U	**4.96**	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.185	0.003 U	11.1	-	0.040 U	3.78	0.005 U	0.010 U	**86**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075 U	0.05 U	0.005 U	**4.9**	0.002 U	0.005 U	-	0.01 U	0.01 U	0.017 U	0.131	0.002 U	11.7	-	0.012 U	3.73	0.005 U	0.01 U	**82.6**	0.001 U	0.01 U	0.043	0.0002 U
	6/2/02	0.075 U	0.05 U	0.001 U	**4.23**	0.002 U	0.001 U	49.4	0.002 U	0.01 U	0.017 U	0.125	0.001	10.3	0.119	0.012 U	3.36	0.001 U	0.001 U	**72.3**	0.001 U	0.01 U	0.02 U	0.0002 U
	11/24/02	0.075 U	0.001 U	0.001 U	**4.63**	0.002 U	0.005 U	55.2	0.01 U	0.01 U	0.017 U	**0.435**	0.002	11.3	0.129	0.012 U	4.09	0.001 U	0.01 U	**80**	0.001 U	0.01 U	0.026	0.0002 U
	5/18/03	0.075 U	0.05 U	0.001 U	**4.34**	0.002 U	0.001 U	51.7	0.002 U	0.01 U	0.017 U	0.151	0.001	10.8	0.119	0.012 U	3.4	0.001 U	0.001 U	**72.1**	0.001 U	0.01 U	0.02 U	0.0002 U
	10/25/03	0.075 U	0.001 U	0.001 U	**4.46**	0.002 U	0.001 U	51.7	0.002 U	0.001 U	0.017 U	0.128	0.001 U	10.7	0.118	0.001 U	3.33	0.001 U	0.001 U	**72.1**	0.001 U	0.001 U	0.02 U	0.0002 U
	5/14/04	0.1 U	0.050 U	0.001 U	**4.28**	0.002 U	0.001 U	50.7	0.002 U	0.010 U	0.017 U	0.145	0.001 U	10.3	0.123	0.012 U	3.79	0.001 U	0.010 U	**68**	0.001 U	0.010 U	0.010 U	0.0002 U
	10/31/04	0.075 U	0.05 U	0.0010 U	**5.15**	0.0020 U	0.0010 U	55.4	0.0020 U	0.010 U	0.017 U	0.188	0.0019	11.2	0.13	0.012 U	5.06	0.0010 U	0.010 U	**79**	0.0010 U	0.010 U	0.020 U	0.0002 U
	7/16/05	0.167	0.0106	0.0010 U	**4.48**	0.0020 U	0.0019	68.1	0.0029	0.010 U	0.017 U	**1.34**	**0.0723**	11.1	0.187	0.012 U	5.67	0.0010 U	0.010 U	**77.2**	0.0010 U	0.010 U	0.097	0.0002 U
	11/12/05	0.573	0.050 U	0.0010 U	**4.23**	0.0020 U	0.0010 U	54.3	0.0020 U	0.010 U	0.017 U	**1.19**	0.0062	10.5	0.223	0.012 U	4.9	0.0010 U	0.010 U	**73.2**	0.0010 U	0.010 U	0.026	0.0002 U
	6/19/06	0.100 U	0.060 U	0.050 U	**4.3**	0.005 U	0.005 U	49.7	0.005 U	0.429	0.005 U	0.144	0.005 U	9.91	0.116	0.020 U	4.28	0.005 U	0.010 U	**47.3**	0.010 U	0.020 U	0.010 U	0.0002 U
	11/14/06	0.0185 B	0.0603	0.0037 U	**4.04**	0.00039 B	0.0015 U	49	0.0037 U	0.403	0.0023 B	0.0755 B	0.0024 U	9.72	0.11	0.0013 U	4.63 B	0.004 U	0.0036 U	**45.7**	0.0034 U	0.0063 U	0.0022 U	0.0006 U
	06/18/07	0.100 U	0.060 U	0.005 U	**3.82**	0.005 U	0.005 U	50.5 J	0.005 U	0.05 U	0.007	0.078 J	0.005 UJ	9.81 J	0.157 J	0.020 U	5	0.005 UJ	0.010 U	**39.4 J**	0.010 R	0.020 U	0.010 U	0.0002 UJ
	11/26/07	0.0052 U	0.0162 U	0.0024 U	**4.09 J**	0.0003 U	0.0005 U	51.9 J	0.0027 U	0.0009 U	0.002 U	**0.661 J**	0.0016 U	11.4	0.116 J	0.0009 U	4.25 J	0.0024 UJ	0.0037 U	**43.2**	0.0033 UJ	0.0064 U	0.00095 J	0.00006 UJ
	11/26/07 Dup	0.0052 U	0.0162 U	0.0024 U	**4.07 J**	0.0003 U	0.0005 U	51.6 J	0.0027 U	0.0009 U	0.002 U	**0.621 J**	0.0016 U	11.3	0.115 J	0.0009 U	4.62 J	0.0024 UJ	0.004 U	**44.5**	**0.0709 J**	0.0064 U	0.00070 U	0.00006 UJ
	06/30/08	0.100 U	0.060 U	0.005 U	**3.96**	0.005 U	0.005 U	50.7	0.005 U	0.050 U	0.005 U	0.064 J	0.005 U	9.66	0.115 J	0.020 U	4.23 J	0.005 U	0.010 U	**47.2 J**	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.0141 U	0.0095 R	0.0022 U	**4.13**	0.0083 J	0.0031 U	52.3	0.0052 U	.00084 J	0.0025 U	0.0478 J	0.0014 U	10.7	0.118	0.00066 U	4.53 J	0.0023 U	0.0014 U	**48.1 J**	0.021 R	0.0086 U	0.00075 U	0.0002 UJ
	7/12/10	0.037 J	0.060 U	0.0050 U	**4.28**	0.0007 J	0.0050 U	50	0.0050 U	0.050 U	0.0050 U	0.087	0.0050 U	9.95	0.116	0.020 U	4.49 J	0.0050 U	0.010 UJ	**65.4 J**	0.010 U	0.02	0.020 U	0.0002 U
	7/14/11	0.0421 J	0.0196 U	0.0015 U	**4.34**	0.00028 J	0.0023 J	58.2	0.0047 U	0.00043 U	0.0161 J	**1.15 J**	0.0167	10.6	0.229	0.0027 J	5.14 J	0.0025 U	0.0028 U	**83.3 J**	**0.0063 J**	0.0063 J	0.0273	0.00006 U
	7/11/12	0.100 U	0.060 U	0.007 J	**4.55 J**	0.005 U	0.005 U	67.2	0.005 U	0.050 U	0.011	**0.945 J**	0.013	10.7	0.229 J	0.020 U	5.76 J	0.005 UJ	0.010 UJ	**61.1 J**	0.010 UJ	0.020 U	0.034 J	0.00006 U
	7/15/13	0.0061 U	0.002 U	0.0049 J	**4.3**	0.00065 J	0.00015 U	50.3 J	0.0027 U	0.00088 J	0.0011 U	0.109	0.0021 U	10 J	0.111	0.00046 U	4.25 J	0.0031 U	0.0027 U	**81.6 J**	0.0033 R	0.0109 U	0.00078 U	0.00015 U
	9/15/14	0.0157 U	0.0028 U	0.0022 U	**4.38**	0.00064 J	0.00041 U	51.6	0.0028 U	0.0013 J	0.0047 J	0.293 J	0.0021 U	10.9	0.147	0.00036 U	5.11 J	0.0015 U	0.0043 UJ	**74**	0.003 R	0.0042 U	0.0095 U	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.0026 U	**5.05**	0.0012 J	0.0025 J	80	0.0099 U	0.00058 U	0.0086 J	**1.25 J**	0.0047	11.3	0.61	0.004 J	5.3	0.0042 UJ	0.0025 U	**79.9J**	0.0043 R	0.0051 U	0.0362	0.00005 U
	9/29/16	0.00166 U	0.0027 U	0.0028 B	**4.11**	0.0065 B	0.00037 U	52.8	0.0069 U	0.00052 B	0.003 B	0.068 B	0.0024	11.2	0.113	0.0004 U	3.900 B	0.0034 U	0.0039 U	**55.4**	0.0035 R	0.0042 U	0.00029 U	0.00003 U
	11/27/17	0.0326 J+	0.00042 U	0.00016 U	**3.882**	0.00010 U	0.00008 J	51.2	0.00062 J	0.00016 U	0.00157	0.135	0.00087 J	9.69	0.1154	0.00055 U	3.38	0.00173 U	0.00016 U	**57.8**	0.00014 U	0.00157 U	0.00781 J	0.00006 U
	10/25/18	0.049	0.004 U	0.00234	**5.207**	0.0005 U	0.00018 J	51.2	0.001 U	0.0005 U	0.00262	**0.326**	0.00222	10.2	0.1532	0.002 U	3.53	0.005 U	0.0004 U	**86.1**	0.00026 J	0.005 U	0.00649 J	0.0002 U
	11/8/19	0.0163	0.004 U	0.0005 U	**4.435**	0.0005 U	0.00012 J	46.6	0.001 U	0.0005 U	0.00158	0.110	0.00098 J	9.36	0.1107	0.002 U	3.15	0.005 U	0.0004 U	**60.2**	0.0005 U	0.005 U	0.00856 J	0.0002 U
	11/6/20	0.0322	0.004 U	0.0005 U	**4.276**	0.0005 U	0.0002 U	49.8	0.00023 J	0.0005 U	0.00162	0.116 J+	0.00041 J	10.4	0.1153	0.002 U	3.43	0.005 U	0.0004 U	**62.6**	0.001 U	0.005 U	0.00415 J	0.0002 U
	11/5/21	0.0296	0.004 U	0.001	**4.233**	0.0005 U	0.0002 U	43.2	0.001 U	0.0005 U	0.00119 J	0.189	0.00055 J	9.24	0.1198	0.002 U	3.22	0.005 U	0.0004 U	**73.8**	0.001 U	0.005 U	0.01248	0.0002 U
	9/13/22	0.032 U	0.007 U	0.002 U	**3.54**	0.001 U	0.001 U	46.3	0.002 U	0.002 U	0.002 U	0.058	0.003 U	9.25	0.105	0.002 U	3.24	0.004 U	0.003 U	**63.1**	0.003 U	0.002 U	0.002 U	0.00009 U

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
MW-11S	12/13/95	3.2	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	45.2	0.02	0.050 U	0.025 U	**6.7**	0.0073	18.3	**0.39**	0.040 U	34.1	0.005 U	0.010 U	**60.8**	0.010 U	0.050 U	0.059	0.0002 U
	3/29/96	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	9.5	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	14.7	0.015 U	0.040 U	35.9	0.005 U	0.010 U	**54.4**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	15.9	0.060 U	0.017	0.45	0.005 U	0.005 U	116	**0.092**	0.050 U	0.025 U	**27.4**	0.022	22.7	**1.2**	0.073	28.6	0.005 U	0.010 U	**48.9**	0.010 U	0.050 U	0.095	0.0002 U
	10/16/96	2.3	0.060 U	0.010 U	0.27	0.005 U	0.005 U	38.1	0.014	0.050 U	0.025 U	**4.1**	0.003	14.8	0.24	0.040 U	29.2	0.005 U	0.010 U	**55.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/4/97	2.5	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	31.2	0.010 U	0.050 U	0.025 U	**4.1**	0.003 U	13.9	0.27	0.040 U	45.3	0.005 U	0.010 U	**66.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	1.3	0.060 U	0.010 U	0.49	0.005 U	0.005 U	34	0.010 U	0.050 U	0.025 U	**2.3**	0.003 U	13.3	0.27	0.040 U	32.4	0.005 U	0.010 U	**63.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	0.96	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	38.4	0.010 U	0.050 U	0.025 U	**1.5**	0.003 U	13.7	**0.34**	0.040 U	33.1	0.005 U	0.010 U	**63.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/26/98	2.6	0.060 U	0.010 U	0.62	0.005 U	0.005 U	141	0.034	0.050 U	0.025 U	**5.3**	0.006	17	**0.98**	0.040 U	12.4	0.005 U	0.010 U	**49.2**	0.010 U	0.050 U	0.069	0.0002 U
	5/3/99	0.53	0.060 U	0.010 U	0.62	0.005 U	0.005 U	47.3	0.010 U	0.050 U	0.025 U	**0.45**	0.003 U	15.7	0.26	0.040 U	10	0.005 U	0.010 U	**41.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/11/99	0.53	0.060 U	0.010 U	0.23	0.005 U	0.005 U	50	0.010 U	0.050 U	0.025 U	**0.45**	0.003 U	16.4	0.26	0.040 U	12.5	0.005 U	0.010 U	**45**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/11/00	0.200 U	0.060 U	0.003	0.038	0.005 U	0.005 U	16	0.010 U	0.050 U	0.025 U	0.175	0.003 U	13.4	0.072	0.040 U	35.9	0.005 U	0.010 U	**61.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/28/00	1.14	0.060 U	0.013	0.143	0.005 U	0.005 U	-	0.023	0.050 U	0.025 U	2.8	0.006	15.7	-	0.019	5.55	0.005 U	0.010 U	**31.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/1/01	0.222	0.060 U	0.003	0.119	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	**0.58**	0.003	15	-	0.040 U	8.25	0.005 U	0.010 U	**41.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.305	0.05 U	0.005	0.069	0.002 U	0.005 U	-	0.013 U	0.01 U	0.017 U	**0.984**	0.007	2.08	-	0.014 U	48.8	0.005 U	0.01 U	**64.4**	0.001 U	0.01 U	0.056	0.0002 U
	5/31/02	0.213	0.05 U	0.003	0.081	0.002 U	0.001 U	33	0.002 U	0.01 U	0.017 U	**0.408**	0.003	16.5	0.19	0.012 U	30.6	0.001 U	0.001 U	**74.6**	0.001 U	0.01 U	0.022	0.0002 U
	5/17/03	0.075 U	0.05 U	0.005	0.355	0.002 U	0.001 U	56.5	0.002 U	0.01 U	0.017 U	0.162	0.001 U	11.3	0.291	0.012 U	1.54	0.001 U	0.001 U	**26.2**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/11/04	0.1 U	0.050 U	0.002	0.347	0.002 U	0.001 U	49.4	0.002 U	0.010 U	0.017 U	0.148	0.001 U	4.8	0.086	0.012 U	3.8	0.001 U	0.010 U	**26.6**	0.001 U	0.010 U	0.059	0.0002 U
	7/16/05	0.075 U	0.0026	0.0024	0.046	0.0020 U	0.0010 U	11.5	0.0042	0.010 U	0.017 U	**0.44**	0.0036	11.8	0.0565	0.012 U	28.5	0.0010 U	0.010 U	**65.4**	0.0010 U	0.010 U	0.028	0.0002 U
	6/19/06	0.100 U	0.060 U	0.050 U	0.04	0.005 U	0.005 U	16.4	0.005 U	0.050 U	0.005 U	0.23	0.005 U	10.6	0.131	0.020 U	24.2	0.005 U	0.010 U	**37.3**	0.010 U	0.020 U	0.015	0.0002 U
	6/19/07	0.115 J	0.060 U	0.005 U	0.181	0.005 U	0.005 U	55.3 J	0.005 U	0.050 U	0.022	**2.01 J**	0.024 J	13 J	0.183 J	0.020 U	21.7	0.005 UJ	0.010 U	**33.7 J**	0.010 R	0.020 U	0.092	0.0002 UJ
	6/30/08	0.100 U	0.060 U	0.005 U	0.059	0.005 U	0.005 U	13.6	0.005 U	0.050 U	0.005 U	**0.325 J**	0.005 U	9.9	0.047 J	0.020 U	26.8 J	0.005 U	0.010 U	**40.3 J**	0.010 UJ	0.020 U	0.014	0.0002 U
	6/8/09	0.0141 U	0.0094 R	0.0022 U	0.0291 J	0.00024 U	0.00031 U	9.54	0.0052 U	0.0016 J	0.0025 U	0.052 J	0.0016 J	9.24	0.0226	0.00083 J	28.2 J	0.0023 U	0.0014 U	**40.4 J**	0.0224 R	0.0086 U	0.0035	0.0002 UJ
	7/12/10	0.041 J	0.060 U	0.005 U	0.311	0.0002 J	0.001 J	39.1	0.005 U	0.050 U	0.004 J	0.0959	0.005 U	0.319	0.0057 J	0.001 J	2.69 J	0.005 U	0.010 UJ	**22.7 J**	0.010 U	0.020 U	0.0378	0.0002 U
	7/14/11	0.0081 U	0.0196 U	0.0029 U	0.128 J	0.00014 U	0.00013 U	12.9	0.0047 U	0.0016 J	0.006 J	0.00011 UJ	0.0014 U	0.365	0.031 J	0.013 J	27.1 J	0.0025 U	0.0028 U	**36.7 J**	**0.0025 J**	0.0049 U	0.0034 U	0.00006 U
	7/11/12	0.100 U	0.060 U	0.005 U	0.192 J	0.005 U	0.005 U	21.3	0.005 U	0.050 U	0.006	0.264 J	0.005 U	0.461	0.020 U	0.020 U	24.8 J	0.005 UJ	0.010 UJ	**29.9 J**	0.010 UJ	0.020 U	0.177 J	0.00006 U
	7/15/13	0.0061 U	0.0035 J	0.002 J	0.212	0.00017 J	0.00015 U	11.1 J	0.0027 U	0.002 J	0.0069 J	0.0153 J	0.0021 U	0.0906 J	0.0015 U	0.0011 J	19 J	0.0031 U	0.0027 U	**35.5 J**	0.0033 R	0.0109 U	0.0194 J	0.00015 U
	9/15/14	0.0157 U	0.0028 U	0.0022 U	0.217	0.00022 U	0.00053 J	14.4	0.0028 U	0.0026 J	0.0042 J	0.105 J	0.0032	0.262 J	0.0047 J	0.0019 J	19.2 J	0.0015 U	0.0029 UJ	**54.2**	0.003 R	0.0042 U	0.0642	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.0034 J	0.224	0.00041 U	0.00044 U	13	0.0099 U	0.0024 J	0.0034 J	0.089 J	0.0029 U	0.197 J	0.0041 J	0.0022 J	18.4	0.0042 UJ	0.0025 U	**68.4J**	0.0043 R	0.0051 U	0.158	0.00005 U
	9/26/16	0.0166 U	0.0027 U	0.0047 B	0.191 B	0.00012 U	0.00037 U	26	0.0069 U	0.0025 B	0.0034 B	**0.308 J**	0.0024 U	3.070 B	0.0991	0.0012 B	12.4	0.0034 U	0.0039 U	**59.3**	0.0035 R	0.0042 U	0.0036 B	0.00003 U
	11/28/17	0.101	0.00724 J+	0.00106	0.2450	0.00010 U	0.00046	32.8	0.00248	0.00236	0.00328	**0.614**	0.00137	0.674	0.03547	0.00219	11.1	0.00173 U	0.00016 U	**44.6**	0.00014 U	0.00157 U	0.01575	0.00006 U
	10/25/18	0.135	0.00054 J	0.00659	0.1128	0.0005 U	0.00011 J	60.9	0.001 U	0.00056	0.00063 J	**0.664**	0.00074 J	14.6	**0.4746**	0.0008 J	1.25	0.005 U	0.0004 U	**43.4**	0.0005 U	0.005 U	0.01 U	0.00006 U
	11/6/19	0.0124	0.00050 J	0.00608	0.1033	0.0005 U	0.00005 J	54.5	0.00025 J	0.00051	0.001 U	**0.330**	0.001 U	13.5	**0.3877**	0.002 U	1.79	0.005 U	0.0004 U	**38.2**	0.0005 U	0.005 U	0.01 U	0.0002 U
MW-11S	11/4/20	0.0343	0.00274 J	0.00449	0.1339	0.0005 U	0.00008 J	35.1	0.00112	0.00163	0.02489	0.284 J+	0.001 U	6.19	0.1435	0.02526	5.87	0.005 U	0.0004 U	**38.8**	0.001 U	0.005 U	0.01 U	0.0002 U
	11/4/21	0.0489	0.00065 J	0.00513	0.1169	0.0005 U	0.00006 J	48.1	0.00048 J	0.00056	0.00053 J	**0.351**	0.00063 J	12.3	**0.3033**	0.00072 J	2.62	0.005 U	0.0004 U	**41.9**	0.001 U	0.005 U	0.00801 J	0.0002 U
	9/15/22	0.032 U	0.007 U	0.002 U	0.129	0.001 U	0.001 U	13.9	0.002 U	0.002 J	0.003 J	0.045 J	0.003 U	2.51	0.016	0.002 U	6.34	0.004 U	0.003 U	**41.7**	0.003 U	0.002 U	0.01 J	0.00009 J

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
MW-11D	12/13/95	1.1	0.060 U	0.010 U	0.83	0.005 U	0.005 U	134	0.010 U	0.050 U	0.025 U	**2.7**	0.003 U	14.9	**0.63**	0.040 U	5	0.005 U	0.010 U	**30.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	3/29/96	0.200 U	0.060 U	0.010 U	0.36	0.005 U	0.005 U	54.3	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	12.8	0.25	0.040 U	29.4	0.005 U	0.010 U	**32.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	0.86	0.060 U	0.010 U	0.4	0.005 U	0.005 U	61.9	0.010 U	0.050 U	0.025 U	**0.96**	0.003 U	13.2	**0.34**	0.040 U	5	0.005 U	0.010 U	**29.1**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.98	0.060 U	0.010 U	0.34	0.005 U	0.005 U	58.3	0.010 U	0.050 U	0.025 U	**1.6**	0.003 U	11.1	0.25	0.040 U	5	0.005 U	0.010 U	**31.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/4/97	2.2	0.060 U	0.010 U	0.36	0.005 U	0.005 U	60.5	0.010 U	0.050 U	0.025 U	**2.9**	0.003 U	12.9	**0.35**	0.040 U	5	0.005 U	0.010 U	**30.1**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	4.3	0.060 U	0.010 U	0.52	0.005 U	0.005 U	72.9	0.014	0.050 U	0.025 U	**7.5**	0.0065	14.7	**0.46**	0.040 U	5	0.005 U	0.010 U	**33.1**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	0.200 U	0.060 U	0.010 U	0.39	0.005 U	0.005 U	69.4	0.010 U	0.050 U	0.025 U	0.25	0.003 U	14.4	**0.41**	0.040 U	5	0.005 U	0.010 U	**35.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/26/98	0.200 U	0.060 U	0.010 U	0.5	0.005 U	0.005 U	69	0.010 U	0.050 U	0.025 U	0.26	0.003 U	13.6	**0.38**	0.040 U	5	0.005 U	0.010 U	**33.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/3/99	0.76	0.060 U	0.010 U	0.53	0.005 U	0.005 U	65.6	0.010 U	0.050 U	0.025 U	**1.2**	0.003 U	14.5	**0.39**	0.040 U	5	0.005 U	0.010 U	**32.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/12/99	0.200 U	0.060 U	0.010 U	0.45	0.005 U	0.005 U	65.5	0.010 U	0.050 U	0.025 U	0.3	0.003 U	14.1	**0.34**	0.040 U	U	0.005 U	0.010 U	**32.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/9/00	0.200 U	0.060 U	0.005	0.328	0.005 U	0.005 U	61	0.010 U	0.050 U	0.025 U	0.256	0.002	13.1	**0.337**	0.040 U	1.83	0.005 U	0.010 U	**31.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/28/00	0.200 U	0.060 U	0.005	0.343	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.181	0.012	11.4	-	0.040 U	1.82	0.005 U	0.010 U	**27.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/1/01	0.200 U	0.060 U	0.004	0.365	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.209	0.001	11.6	-	0.040 U	2.07	0.005 U	0.010 U	**30.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075 U	0.05 U	0.005 U	0.346	0.002 U	0.005 U	-	0.01 U	0.01 U	0.017 U	0.145	0.002 U	7.2	-	0.012 U	2.49	0.005 U	0.01 U	**26.2**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/31/02	0.075 U	0.05 U	0.004	0.407	0.002 U	0.001 U	62.1	0.002 U	0.01 U	0.017 U	0.192	0.001 U	11.1	0.278	0.012 U	2.01	0.001 U	0.001 U	**29.1**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/17/03	0.076	0.05 U	0.003	0.049	0.002 U	0.001 U	5.48	0.002 U	0.01 U	0.017 U	0.098	0.007	6.17	0.016	0.012 U	31.4	0.001 U	0.001 U	**47**	0.001 U	0.01 U	0.022	0.0002 U
	5/11/04	2.79	0.050 U	0.006	0.162	0.002 U	0.001	78.9	0.003	0.010 U	0.017 U	**3.12**	0.007	15.2	**0.7**	0.012 U	2.62	0.001 U	0.010 U	**32.5**	0.001 U	0.010 U	0.081	0.0002 U
	7/16/05	0.075 U	0.0012	0.0010 U	0.339	0.0020 U	0.0010 U	44.8	0.0020 U	0.010 U	0.017 U	0.126	0.002	0.754	0.0094	0.012 U	4.22	0.0010 U	0.010 U	**27.9**	0.0010 U	0.010 U	0.020 U	0.0002 U
	6/19/06	0.100 U	0.060 U	0.050 U	0.296	0.005 U	0.005 U	43.6	0.005 U	0.050 U	0.005 U	0.103	0.005 U	0.971	0.020 U	0.020 U	2.88	0.005 U	0.010 U	19.3	0.010 U	0.020 U	0.010 U	0.0002 U
	6/18/07	0.100 U	0.060 U	0.050 U	0.352	0.005 U	0.005 U	37.6 J	0.005 U	0.050 U	0.005 U	0.050 U	0.005 UJ	0.278 J	0.020 UJ	0.020 U	3	0.005 UJ	0.010 U	**20.6 J**	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/30/08	0.100 U	0.060 U	0.005 U	0.314	0.005 U	0.005 U	32.3	0.005 U	0.050 U	0.005 U	0.206 J	0.005 U	1.11	0.020 U	0.020 U	2.96 J	0.005 U	0.010 U	**22.9 J**	0.010 UJ	0.020 U	0.012	0.0002 U
	6/8/09	0.0141 U	0.0051 R	0.0022 U	0.295	0.00024 U	0.00031 U	37.5	0.0052 U	0.00064 J	0.0048 J	0.102 J	0.0014 U	1.88	0.0367	0.00093 J	2.95 J	0.0023 U	0.0014 U	**22.3 J**	0.0058 R	0.0086 U	0.0054 J	0.0002 UJ
	7/12/10	0.026 J	0.060 U	0.005 U	0.0434	0.005 U	0.0008 J	12.4	0.0050 U	0.0015 J	0.0041 J	0.0744	0.0050 U	3.69	0.038	0.0011 J	28.4 J	0.005 U	0.010 UJ	**53.4 J**	0.010 U	0.020 U	0.0142	0.0002 U
	7/14/11	0.0081 U	0.0196 U	0.0015 U	0.316	0.00023 J	0.00015 J	35	0.0047 U	0.00043 U	0.0025 U	0.00011 UJ	0.0019 U	0.183 J	0.00079 J	0.00074 J	2.68 J	0.0032 J	0.0028 U	**21.7 J**	0.0021 U	0.0136 J	0.001 J	0.00006 U
	7/11/12	0.100 U	0.060 U	0.005 J	0.275 J	0.005 U	0.005 U	37.3	0.005 U	0.050 U	0.005 U	0.166 J	0.005 U	0.747	0.020 U	0.020 U	3.18 J	0.005 UJ	0.010 UJ	**20.1 J**	0.010 UJ	0.020 U	0.062 J	0.00006 U
	7/15/13	0.0061 U	0.0031 J	0.0058 J	0.284	0.00011 J	0.00016 J	40.9 J	0.0027 U	0.00073 U	0.0041 J	0.0204 J	0.0021 U	0.133 J	0.0015 U	0.00081 J	2.75 J	0.0031 U	0.0027 U	**24 J**	0.0033 R	0.0109 U	0.0101 J	0.00015 U
	9/15/14	0.0157 U	0.0028 U	0.0025 J	0.264	0.00022 U	0.00041 U	37.5	0.0028 U	0.00067 J	0.0027 U	0.0609 J	0.0021 U	0.329 J	0.0031 J	0.00066 J	2.77 J	0.0015 U	0.005 UJ	**26.1**	0.003 R	0.0042 U	0.011 U	0.00004 U
	9/16/15	0.0022 U	0.0037 U	0.0026 U	0.271	0.00041 U	0.00044 U	36.6	0.0099 U	0.00058 U	0.003 J	0.0958 J	0.0029 U	0.146 J	0.0023 J	0.0013 J	2.64 J	0.0042 UJ	0.0025 U	**25.5J**	0.0043 R	0.0051 U	0.086	0.00005 U
	11/28/17	0.0646	0.00042 U	0.00505	0.4125	0.00010 U	0.00005 U	69.9	0.00080 J	0.00016 U	0.00084 J	**0.350**	0.00034 U	13.7	**0.3621**	0.00055 U	1.84	0.00173 U	0.00016 U	**29.4**	0.00014 U	0.00157 U	0.00341 U	0.00006 U
	10/25/18	0.0533	0.00043 J	0.00457	0.4243	0.0005 U	0.0002 U	58.4	0.001 U	0.0005 U	0.00049 J	0.277	0.001 U	13.5	**0.3074**	0.002 U	1.71	0.005 U	0.0004 U	**35.3**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/6/19	0.0372	0.004 U	0.0048	0.4359	0.0005 U	0.0002 U	63.2	0.00026 J	0.0005 U	0.001 U	**0.310**	0.001 U	13.2	**0.3261**	0.002 U	1.79	0.005 U	0.0004 U	**30.8**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/4/20	0.325	0.004 U	0.0053	0.4738	0.0005 U	0.0002 U	69.5	0.00081 J	0.0002 J	0.00082 J	**0.796 J+**	0.00072 J	13.5	**0.3524**	0.002 U	1.98	0.005 U	0.0004 U	**30.6**	0.001 U	0.005 U	0.01 U	0.0002 U
	11/4/21	0.144	0.004 U	0.00586	0.4212	0.0005 U	0.0002 U	58.8	0.00049 J	0.0005 U	0.00053 J	**0.625**	0.00067 J	12.5	**0.3065**	0.002 U	1.76	0.005 U	0.0004 U	**29.3**	0.001 U	0.005 U	0.00966 J	0.0002 U
	9/15/22	0.134	0.007 U	0.005	0.396	0.001 U	0.001 U	61.5	0.002 U	0.002 U	0.002 U	**0.51**	0.003 U	12.9	**0.316**	0.002 U	1.91 J	0.004 U	0.003 U	**30.7**	0.003 U	0.002 U	0.002 U	0.00009 J
MW-12S	12/13/95	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	64.3	0.016	0.050 U	0.025 U	0.24	0.003 U	12.7	**0.39**	0.040 U	7.3	0.005 U	0.010 U	**35.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	3/29/96	0.75	0.060 U	0.010 U	0.95	0.005 U	0.005 U	59.7	0.012	0.050 U	0.025 U	**1.1**	0.003 U	12.5	0.18	0.040 U	11.1	0.005 U	0.010 U	**33.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	0.89	0.060 U	0.010 U	0.51	0.005 U	0.005 U	52	0.016	0.050 U	0.025 U	**1.1**	0.003 U	11.8	0.13	0.040 U	9.4	0.005 U	0.010 U	**32**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.24	0.060 U	0.010 U	**1.3**	0.005 U	0.005 U	45	0.010 U	0.050 U	0.025 U	**0.52**	0.003 U	10.7	0.11	0.040 U	13.9	0.005 U	0.010 U	**36.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/9/97	0.200 U	0.060 U	0.010 U	0.58	0.005 U	0.005 U	45.9	0.010 U	0.050 U	0.025 U	**0.56**	0.003 U	10.2	0.096	0.040 U	10.2	0.005 U	0.010 U	**34.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	0.200 U	0.060 U	0.010 U	**1.3**	0.005 U	0.005 U	49.2	0.010 U	0.050 U	0.025 U	**0.48**	0.003 U	10.2	0.2	0.040 U	6.2	0.005 U	0.010 U	**30.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	0.200 U	0.060 U	0.010 U	0.95	0.005 U	0.005 U	15.5	0.010 U	0.050 U	0.025 U	0.14	0.003 U	5.00 U	0.018	0.040 U	U	0.005 U	0.010 U	**112**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/26/98	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	52	0.017	0.050 U	0.025 U	**0.38**	0.003 U	10.8	0.091	0.040 U	U	0.005 U	0.010 U	**33.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/3/99	0.200 U	0.060 U	0.010 U	0.58	0.005 U	0.005 U	52.9	0.010 U	0.050 U	0.025 U	**0.56**	0.003 U	10.8	0.017	0.040 U	5.6	0.005 U	0.010 U	**31.4**	0.010 U	0.050 U	0.085mbd	0.0002 U
	10/11/99	0.97	0.060 U	0.010 U	0.58	0.005 U	0.005 U	59.4	0.010 U	0.050 U	0.025 U	**2.2**	0.003 U	12.3	0.1	0.040 U	7.6	0.005 U	0.010 U	**32.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/11/00	0.200 U	0.060 U	0.010 U	0.064	0.005 U	0.005 U	52.6	0.010 U	0.050 U	0.025 U	0.223	0.001	10.8	0.05	0.040 U	4.09	0.005 U	0.010 U	**29.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/28/00	0.200 U	0.060 U	0.010 U	0.076	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.153	0.006	10.8	-	0.040 U	3.93	0.005 U	0.010 U	**29.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/1/01	0.200 U	0.060 U	0.010 U	0.066	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.1	0.002	10.5	-	0.040 U	3.24	0.005 U	0.010 U	**27.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075 U	0.05 U	0.005 U	0.064	0.002 U	0.005 U	-	0.01 U	0.01 U	0.017 U	0.148	0.003	10.3	-	0.012 U	3.12	0.005	0.01 U	**28.1**	0.001 U	0.01 U	0.054 U	0.0002 U
	5/31/02	0.075 U	0.05 U	0.001 U	0.073	0.002 U	0.001 U	52.3	0.002 U	0.01 U	0.017 U	0.04 U	0.001	10.8	0.018	0.012 U	2.74	0.001	0.001 U	**30.8**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/17/03	0.319	0.05 U	0.001 U	0.083	0.002 U	0.001 U	49.4	0.002 U	0.01 U	0.017 U	**0.626**	0.002	9.82	0.04	0.012 U	2.96	0.001 U	0.001 U	**24.6**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/12/04	0.1 U	0.050 U	0.001 U	0.068	0.002 U	0.001 U	51.2	0.002 U	0.010 U	0.017 U	0.226	0.002	10	0.009	0.012 U	3.65	0.001 U	0.010 U	**31.3**	0.001 U	0.010 U	0.062	0.0002 U
	7/16/05	0.075 U	0.0010 U	0.0010 U	0.064	0.0020 U	0.0010 U	49.1	0.0020 U	0.010 U	0.017 U	0.0400 U	0.0010 U	10.2	0.0050 U	0.012 U	3.32	0.0010 U	0.010 U	**34.3**	0.0010 U	0.010 U	0.020 U	0.0002 U
	6/19/06	0.100 U	0.060 U	0.050 U	0.099	0.005 U	0.005 U	48.1	0.005 U	0.050 U	0.005 U	0.254	0.005 U	9.06	0.020 U	0.020 U	2.6	0.005 U	0.010 U	**24.4**	0.010 U	0.020 U	0.019	0.0002 U
	6/19/07	0.100 U	0.060 U	0.005 U	0.073	0.005 U	0.005 U	49.8 J	0.005 U	0.050 U	0.008	0.082 J	0.005 UJ	9.43 J	0.074 J	0.020 U	2.59	0.005 UJ	0.010 U	**21.2 J**	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/30/08	0.100 U	0.060 U	0.005 U	0.09	0.005 U	0.005 U	52.6	0.005 U	0.050 U	0.005 U	0.098 J	0.005 U	9.73	0.058 J	0.020 U	2.57 J	0.005 U	0.010 U	**27.2 J**	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.014 U	0.0051 R	0.0022 U	0.0685 J	0.00024 U	0.00057 J	52.3	0.00052 U	0.00051 J	0.0025 U	0.0242 J	0.0014 U	10.3	0.0149 J	0.00066 U	2.55 J	0.0023 U	0.0014 U	**26.7 J**	0.0193 R	0.0086 U	0.0036 J	0.0002 UJ
	7/12/10	0.041 J	0.060 U	0.0050 U	0.0858	0.005 U	0.0004 J	46.8	0.005 U	0.050 U	0.0025 J	0.0811	0.005 U	8.91	0.0244	0.0014 J	2.35 J	0.005 U	0.010 UJ	**26.9 J**	0.010 U	0.020 U	0.0073 J	0.0002 U
	7/14/11	0.0081 U	0.0196 U	0.0015 U	0.0698 J	0.00014 U	0.0014 J	49.3	0.0047 U	0.00043 U	0.0025 U	0.0103 J	0.0019 U	9.84	0.0275	0.00077 J	2.15 J	0.0025 U	0.0028 U	**24.7 J**	**0.0113 J**	0.0049 U	0.0047 J	0.00006 U
	7/11/12	0.100 U	0.060 U	0.005 U	0.068 J	0.005 U	0.005 U	51	0.005 U	0.050 U	0.005 U	0.050 U	0.005 U	10.2	0.020 U	0.020 U	2.45 J	0.005 UJ	0.010 UJ	**22.9 J**	0.010 UJ	0.020 U	0.010 U	0.00006 U
	7/15/13	0.0061 U	0.002 U	0.0058 J	0.0737 J	0.00010 U	0.00044 J	50.7 J	0.0027 U	0.00073 U	0.0049 J	0.0153 J	0.0021 U	9.62 J	0.0056 J	0.00046 U	2.15 J	0.0031 U	0.0027 U	**26.3 J**	0.0036 J	0.0109 U	0.0203	0.00015 U

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
	9/16/14	0.0157 U	0.0028 U	0.0032 J	0.0744 J	0.00022 U	0.002 J	55.8	0.0028 U	0.00061 J	0.0027 U	0.0706 J	0.0021 U	10.4	0.0147 J	0.00079 J	2.31 J	0.0015 U	0.0036 UJ	**31.2**	0.0061 J	0.0042 U	0.0378	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.003 J	0.0736 J	0.00041 U	0.00044 U	51	0.0099 U	0.00058 U	0.0024 U	0.0054 J	0.0029 U	10.6	0.078 J	0.0008 U	2.06 J	0.0042 UJ	0.0025 U	**30.9J**	0.0043 R	0.0051 U	0.00088 J	0.00005 U
	9/29/16	0.0166 U	0.0027 U	0.0028 U	0.739 B	0.00012 U	0.00037 U	55	0.0069 U	0.00053 B	0.0041 B	0.844 J	0.0024 U	10.9	0.0143 B	0.00040 U	1.950 B	0.0034 U	0.0039 U	**33.2**	0.0035 R	0.0042 U	0.0019 B	0.00003 U
	11/28/17	0.0277 J+	0.00042 U	0.00028 J	0.07243	0.00010 U	0.00027	53.3	0.00056 J	0.00016 J	0.00101	0.0638	0.00061 J	10.3	0.0448	0.00059 J	1.90	0.00173 U	0.00016 U	**29.6**	0.00014 U	0.00157 U	0.00554 J	0.00006 U
	10/23/18	0.00572 J	0.004 U	0.00031 J	0.06685	0.0005 U	0.0002 U	47.4	0.001 U	0.0005 U	0.0009 J	0.036 J	0.001 U	9.47	0.00324	0.002 U	1.74	0.005 U	0.0004 U	**34.4**	0.00026 J	0.005 U	0.01 U	0.0002 U
	11/5/19	0.0108	0.004 U	0.00026 J	0.06753	0.0005 U	0.00006 J	48.4	0.00025 J	0.0005 U	0.00042 J	0.0276 J	0.001 J	9.62	0.01438	0.002 U	1.75	0.005 U	0.0004 U	**29.2**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/2/20	0.00529 J	0.00075 J	0.0003 J	0.07131	0.0005 U	0.00023	51	0.00068 J	0.0005 U	0.00064 J	0.07 U	0.001 U	10.4	0.00725	0.0042	1.92	0.005 U	0.0004 U	**36.7**	0.001 U	0.005 U	0.02604	0.0002 U
	11/1/21	0.00768 J	0.004 U	0.00038 J	0.06131	0.0005 U	0.0002 U	46.9	0.001 U	0.0005 U	0.002 U	0.0219 J	0.001 U	9.68	0.00474	0.002 U	1.71	0.005 U	0.0004 U	**31**	0.001 U	0.005 U	0.01123	0.0002 U
	9/14/22	0.032 U	0.007 U	0.002 U	0.062	0.001 U	0.001 U	49	0.002 U	0.002 U	0.002 U	0.021 J	0.003 U	9.76	0.009 J	0.002 U	1.91 J	0.004 U	0.003 U	**36.7**	0.003 U	0.002 U	0.006 J	0.00009 J
MW-12D	12/12/95	0.200 U	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	20.9	0.010 U	0.050 U	0.025 U	**0.35**	0.003 U	5.00 U	0.024	0.040 U	5.00 U	0.005 U	0.010 U	**88.4**	0.010 U	0.050 U	0.16	0.0002 U
	3/29/96	1.6	0.060 U	0.010 U	0.78	0.005 U	0.005 U	13.5	0.010 U	0.050 U	0.025 U	**1.3**	0.003 U	5.00 U	0.027	0.040 U	5.00 U	0.005 U	0.010 U	**95.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	0.81	0.060 U	0.010 U	0.75	0.005 U	0.005 U	13.4	0.010 U	0.050 U	0.025 U	**0.76**	0.003 U	5.00 U	0.02	0.040 U	5.00 U	0.005 U	0.010 U	**99.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.200 U	0.060 U	0.010 U	0.73	0.005 U	0.005 U	13.6	0.010 U	0.050 U	0.025 U	0.28	0.003 U	5.00 U	0.015	0.040 U	5.00 U	0.005 U	0.010 U	**98.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/9/97	0.200 U	0.060 U	0.010 U	0.75	0.005 U	0.005 U	13.8	0.010 U	0.050 U	0.025 U	0.24	0.003 U	5.00 U	0.022	0.040 U	5.00 U	0.005 U	0.010 U	**92.1**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	0.29	0.060 U	0.010 U	0.82	0.005 U	0.005 U	14.6	0.010 U	0.050 U	0.025 U	**0.37**	0.003 U	5.00 U	0.019	0.040 U	5.00 U	0.005 U	0.010 U	**104**	0.010 U	0.050 U	0.068	0.0002 U
	4/30/98	0.200 U	0.060 U	0.010 U	0.95	0.005 U	0.005 U	15.5	0.010 U	0.050 U	0.025 U	0.14	0.003 U	5.00 U	0.018	0.040 U	5.00 U	0.005 U	0.010 U	**112**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/26/98	0.200 U	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	20.2	0.010 U	0.050 U	0.025 U	0.13	0.003 U	5.00 U	0.025	0.040 U	5.00 U	0.005 U	0.010 U	**108**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/3/99	0.200 U	0.060 U	0.010 U	0.43	0.005 U	0.005 U	7.8	0.010 U	0.050 U	0.025 U	0.19	0.003 U	5.00 U	0.016	0.040 U	5.00 U	0.005 U	0.010 U	**128**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/12/99	0.200 U	0.060 U	0.010 U	0.78	0.005 U	0.005 U	15	0.010 U	0.050 U	0.025 U	0.11	0.003 U	5.00 U	0.018	0.040 U	5.00 U	0.005 U	0.010 U	**113**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/9/00	0.200 U	0.060 U	0.010 U	**1.45**	0.005 U	0.006	22	0.010 U	0.050 U	0.025 U	0.122	0.003 U	4.37	0.018	0.040 U	2.87	0.005 U	0.010 U	**84**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/28/00	0.200 U	0.060 U	0.010 U	0.832	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.073	0.008	2.83	-	0.040 U	2.44	0.005 U	0.010 U	**89.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/1/01	0.200 U	0.060 U	0.010 U	**1.96**	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.089	0.001	5.95	-	0.040 U	3.3	0.005 U	0.010 U	**64.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075 U	0.05 U	0.005 U	**1.75**	0.002 U	0.005 U	-	0.01 U	0.01 U	0.017 U	0.098	0.004 U	5.58	-	0.012 U	3.23	0.005 U	0.01 U	**60.5**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/31/02	0.075 U	0.05 U	0.001 U	**1.82**	0.002 U	0.001 U	29.2	0.002 U	0.01 U	0.017 U	0.092	0.001 U	5.7	0.028	0.012 U	3.13	0.001 U	0.001 U	**68.2**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/17/03	0.075 U	0.05 U	0.001 U	**1.58**	0.002 U	0.001 U	26.5	0.002 U	0.01 U	0.017 U	0.111	0.001 U	5.2	0.028	0.012 U	3.08	0.001 U	0.001 U	**62.5**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/12/04	0.1 U	0.050 U	0.001 U	**1.43**	0.002 U	0.001 U	23.8	0.002 U	0.01 U	0.017 U	0.112	0.001 U	5.1	0.023	0.012 U	7.48	0.001 U	0.010 U	**63.7**	0.001 U	0.010 U	0.05	0.0002 U
	7/16/05	0.075 U	0.0027	0.0010 U	0.308	0.0020 U	0.0010 U	3.89	0.0020 U	0.010 U	0.017 U	0.0419	0.0010 U	3.97	0.0050 U	0.012 U	19.9	0.0010 U	0.010 U	**80.2**	0.0010 U	0.010 U	0.020 U	0.0002 U
	6/19/06	0.100 U	0.060 U	0.050 U	**1.71**	0.005 U	0.005 U	29.1	0.005 U	0.171	0.005 U	0.172	0.005 U	5.19	0.035	0.020 U	4.68	0.005 U	0.010 U	**42.7**	0.010 U	0.020 U	0.012	0.0002 U
	6/18/07	0.100 U	0.060 U	0.050 U	0.35	0.005 U	0.006	8.44 J	0.005 U	0.050 U	0.006	0.194 J	0.005 UJ	3.62 J	0.020 UJ	0.020 U	23.5	0.005 UJ	0.010 U	**46 J**	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/30/08	0.100 U	0.060 U	0.005 U	0.217	0.005 U	0.005 U	4.94	0.005 U	0.050 U	0.005 U	0.050 UJ	0.005 U	3.26	0.020 U	0.020 U	23.9 J	0.005 U	0.010 U	**76.3 J**	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.014 U	0.0089 R	0.0022 U	0.232	0.00024 U	0.00031 U	3.51	0.0052 U	0.00091 J	0.0028 J	0.0056 J	0.0014 U	3.69	0.001 J	0.00066 U	27.6 J	0.0023 U	0.0014 U	**71.8 J**	0.0192 R	0.0086 U	0.0039 J	0.0002 UJ
	7/12/10	0.011 J	0.060 U	0.005 U	0.205	0.0001 J	0.0001 J	3.02	0.005 U	0.050 U	0.0032 J	0.023 J	0.005 U	2.96	0.0018 J	0.0008 J	22 J	0.005 U	0.010 UJ	**65.8 J**	0.010 U	0.020 U	0.0054 J	0.0002 U
	7/14/11	0.0205 J	0.0196 U	0.0015 U	0.307	0.00018 J	0.0003 J	3.9	0.0047 U	0.00046 J	0.0057 J	0.00011 UJ	0.0019 U	3.58 J	0.00061 J	0.0011 J	19.5 J	0.0025 U	0.0028 U	**76.4 J**	**0.0046 J**	0.0167 J	0.0026 U	0.00006 U
	7/11/12	0.100 U	0.060 U	0.005 U	0.22 J	0.005 U	0.005 U	6.33	0.005 U	0.050 U	0.005 U	0.050 U	0.005 U	3.52	0.020 U	0.020 U	23.2 J	0.005 UJ	0.010 UJ	**67.1 J**	0.010 UJ	0.020 U	0.0018 J	0.00006 U
	7/15/13	0.0061 U	0.0051 U	0.0028 J	0.332	0.00013 J	0.00015 U	2.6 J	0.0027 U	0.00073 U	0.0064 J	0.0053 J	0.0021 U	3.47 J	0.0015 U	0.00063 J	16.8 J	0.0031 U	0.0027 U	**75.4 J**	0.0033 R	0.0109 U	0.0036 J	0.00015 U
	9/15/14	0.0157 U	0.0028 U	0.0022 U	0.3	0.00022 U	0.00041 U	4.77 J	0.0028 U	0.00057 J	0.0027 U	0.0151 J	0.0021 U	3.8 J	0.0015 J	0.00092 J	20.1 J	0.0015 U	0.0053 UJ	**78.1**	0.003 R	0.0042 U	0.0109 U	0.00004 U
	9/16/15	0.022 U	0.004 J	0.003 U	0.29	0.00041 U	0.00044 U	3.99	0.0099 U	0.00061 U	0.0024 U	0.0204 J	0.0029 U	38.1 J	0.0031 J	0.0017 J	18.3	0.0042 UJ	0.0025 U	**74.5J**	0.0043 R	0.0051 U	0.0093 J	0.00005 U
	9/29/16	0.0016 U	0.0027 U	0.0028 U	0.41	0.00012 U	0.00082 B	10.4	0.0069 U	0.00056 B	0.0052 B	0.0482 J	0.0024 U	4.140 B	0.0074 B	0.003 B	18.3	0.0034 U	0.0039 U	**60**	0.0035 R	0.0042 U	0.132 B	0.00003 U
	11/28/17	0.00803 J	0.00042 U	0.00016 U	0.8226	0.00010 U	0.00005 U	14.8	0.00024 J	0.00016 U	0.00038 U	0.0522	0.00034 U	2.59	0.01423	0.00055 U	2.67	0.00173 U	0.00016 U	**99.8**	0.00014 U	0.00157 U	0.00341 U	0.00006 U
	10/23/18	0.149	0.004 U	0.0005 U	0.2466	0.0005 U	0.0002 U	4.23	0.001 U	0.0005 U	0.00061 J	0.282	0.00034 J	0.727	0.00786	0.002 U	1.9	0.005 U	0.0004 U	**141**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/5/19	0.0249	0.004 U	0.0005 U	0.7897	0.0005 U	0.00007 J	13.5	0.001 U	0.0005 U	0.00049 J	0.0735	0.001 U	2.29	0.01232	0.002 U	2.12	0.005 U	0.0004 U	**110**	0.0005 U	0.005 U	0.00459 J	0.0002 U
	11/2/20	0.0925	0.0006 J	0.0005 U	**2.017**	0.0005 U	0.0002 U	30.4	0.00045 J	0.0005 U	0.00121	0.222 J+	0.001 U	5.71	0.02463	0.002 U	3.23	0.005 U	0.0004 U	**74.7**	0.001 U	0.005 U	0.00388 J	0.0002 U
	11/1/21	0.017	0.004 U	0.0005 U	**1.806**	0.0005 U	0.00013 J	29.6	0.00026 J	0.0005 U	0.0007 J	0.0968	0.001 U	5.58	0.02758	0.002 U	3.05	0.005 U	0.0004 U	**68.7**	0.001 U	0.005 U	0.0144	0.0002 U
	9/14/22	0.032 U	0.007 U	0.002 U	**1.9**	0.001 U	0.001 U	33.6	0.002 U	0.002 U	0.002 U	0.082	0.003 U	6.23	0.029	0.002 U	3.44	0.004 U	0.003 U	**71.6**	0.003 U	0.002 U	0.005 J	0.00009 J
MW-13S	12/12/95	3.3	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	22	0.010 U	0.050 U	0.025 U	**4**	0.003 U	5.2	0.15	0.047	5.00 U	0.005 U	0.010 U	16.7	0.010 U	0.050 U	0.050 U	0.00047
	3/28/96	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	17.2	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	5.00 U	0.015 U	0.040 U	5.00 U	0.005 U	0.010 U	11.3	0.010 U	0.050 U	0.050 U	0.00047
	7/1/96	1.8	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	23.8	0.010 U	0.050 U	0.025 U	**3.5**	0.003 U	5.8	**0.31**	0.040 U	5.00 U	0.005 U	0.010 U	16.8	0.010 U	0.050 U	0.050 U	0.0002 U
	10/15/96	1.7	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	34.3	0.010 U	0.050 U	0.025 U	**2.2**	0.003 U	7.5	0.23	0.040 U	5.00 U	0.005 U	0.010 U	**28**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/2/97	U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	20.5	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	5.00 U	0.015 U	0.040 U	5.00 U	0.005 U	0.010 U	12.7	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	4.5	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	45.5	0.010 U	0.050 U	0.025 U	**6.8**	0.003 U	9.1	**0.67**	0.040 U	5.00 U	0.005 U	0.010 U	**29.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	2.8	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	17.3	0.010 U	0.050 U	0.025 U	**2.3**	0.003 U	5.00 U	0.047	0.040 U	5.00 U	0.005 U	0.010 U	12.2	0.010 U	0.050 U	0.13	0.0002 U
	10/26/98	Well Dry - unable to collect samples																						
	5/5/99	0.93	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	18.3	0.010 U	0.050 U	0.025 U	**0.81**	0.003 U	5.00 U	0.037	0.040 U	5.00 U	0.005 U	0.010 U	9.7	0.010 U	0.050 U	0.05	0.0002 U
	10/11/99	1.3	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	68.1	0.010 U	0.050 U	0.025 U	**1.4**	0.003 U	13.4	**0.57**	0.040 U	5.00 U	0.005 U	0.010 U	**44.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/11/00	3.22	0.060 U	0.010 U	0.036	0.005 U	0.005 U	16.6	0.021	0.050 U	0.025 U	**3.44**	0.003	3.58	0.1	0.026	1.8	0.005 U	0.010 U	8.9	0.010 U	0.050 U	0.123	0.0002 U
	10/29/00	0.209	0.060 U	0.010 U	0.03	0.005 U	0.005 U		0.010 U	0.050 U	0.025 U	**0.601**	0.006	5.99	-	0.040 U	1.62	0.005 U	0.010 U	15.3	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/01	2.1	0.060 U	0.010 U	0.03	0.005 U	0.005 U		0.010 U	0.050 U	0.025 U	1.93	0.003	3.56	-	0.040 U	1.59	0.005 U	0.010 U	6.98	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	1.75	0.05 U	0.005	0.049	0.002 U	0.005 U		0.01	0.01 U	0.017 U	2.41	0.004	8.67	-	0.012 U	2.08	0.005 U	0.01 U	**26**	0.001 U	0.01 U	0.071	0.0002 U
	6/2/02	2.07	0.05 U	0.001	0.035	0.002 U	0.001 U	16.7	0.009	0.01 U	0.017 U	**2.23**	0.002	3.1	0.279	0.012 U	1.29	0.001 U	0.001 U	2.82	0.001 U	0.01 U	0.021	0.0002 U
	11/24/02	No Metals Required																						

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
	5/18/03	2.17	0.05 U	0.001	0.026	0.002 U	0.001 U	10.9	0.002 U	0.01 U	0.017 U	**1.85 J**	0.003	2.26	0.057	0.012 U	1.04	0.001 U	0.001 U	2.03	0.001 U	0.01 U	0.02 U	0.0002 U
	10/25/03	No Metals Required																						
	5/12/04	0.868	0.050 U	0.001 U	0.023	0.002 U	0.001 U	20.9	0.002 U	0.010 U	0.017 U	**1.16**	0.001	4.3	0.125	0.012 U	1.9	0.001 U	0.010 U	8.55	0.001 U	0.010 U	0.064	0.0002 U
	10/31/04	No Metals Required																						
	7/16/05	0.648	0.0010 U	0.0010 U	0.024	0.0020 U	0.0010 U	19.2	0.0020 U	0.010 U	0.017 U	**0.95**	0.0022	3.93	**0.318**	0.012 U	2.12	0.0010 U	0.010 U	6.47	0.0010 U	0.010 U	0.020 U	0.0002 U
	11/12/05	No Metals Required																						
	6/19/06	0.41	0.060 U	0.050 U	0.021	0.005 U	0.005 U	11.9	0.005 U	0.050 U	0.005 U	**0.949**	0.005 U	2.29	**0.329**	0.020 U	0.654	0.005 U	0.010 U	3.31	0.010 U	0.020 U	0.017	0.0002 U
	11/14/06	No Metals Required																						
	6/18/07	0.100 U	0.060 U	0.005 U	0.019	0.005 U	0.005 U	13.2 J	0.005 U	0.050 U	0.005 U	**0.308 J**	0.005 UJ	2.46 J	0.259 J	0.020 U	0.557	0.005 UJ	0.010 U	3.44 J	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/18/07 Dup	0.100 U	0.060 U	0.005 U	0.021	0.005 U	0.005 U	13.1 J	0.005 U	0.050 U	0.005 U	**0.334 J**	0.005 UJ	2.38 J	0.279 J	0.020 U	0.574	0.005 UJ	0.010 U	3.23 J	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/30/08	1.68	0.060 U	0.005 U	0.033	0.005 U	0.005 U	16.9	0.005 U	0.050 U	0.005 U	**2.47**	0.005 U	2.96	0.087	0.020 U	1.04 J	0.005 U	0.010 U	4.6 J	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/30/08 Dup	0.299	0.060 U	0.005 U	0.020	0.005 U	0.005 U	16.5	0.005 U	0.050 U	0.005 U	**0.42 J**	0.005 U	2.73	0.034 J	0.020 U	0.642 J	0.005 U	0.010 U	4.65 J	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.191 J	0.0051 R	0.0022 U	0.0196 J	0.00024 U	0.00031 U	11.7	0.0052 U	0.00078 J	0.0025 U	**0.504 J**	0.0014 U	2.17 J	0.117 J	0.00069 J	0.573 J	0.0023 U	0.0014 U	2.87 J	0.0147 R	0.0086 U	0.0025 J	0.0002 U
	6/8/09 Dup	0.235	0.0051 R	0.0022 U	0.0241 J	0.00024 U	0.00031 U	11.8	0.0052 U	0.00060 J	0.0025 U	0.223 J	0.0014 U	2.18 J	0.0334	0.00066 U	.0.545 J	0.0023 U	0.0014 U	3.22 J	0.027 R	0.0086 U	0.0027 J	0.0002 UJ
	7/12/10	0.054 J	0.060 U	0.005 U	0.0183	0.0002 J	0.0002 J	14.8	0.0074	0.050 U	0.005 U	0.0851	0.005 U	2.34	0.0209	0.0007 J	0.554 J	0.005 U	0.010 UJ	2.99 J	0.010 U	0.020 U	0.0047 J	0.0002 U
MW-13S	7/12/10 Dup	0.091 J	0.060 U	0.005 U	0.0184	0.0002 J	0.0002 J	14.2	0.005 U	0.050 U	0.005 U	0.139	0.005 U	2.26	0.0383	0.020 U	0.536 J	0.005 U	0.010 UJ	2.78 J	0.010 U	0.020 U	0.0048 J	0.0002 U
	7/14/11	1.06	0.0196 U	0.0015 U	0.0275 J	0.00014 U	0.00027 J	12.6	0.0047 U	0.00069 J	0.0052 J	**2.04**	0.0019 U	2.56	0.24	0.0027 J	0.706 J	0.0025 U	0.0028 U	3.48 J	**0.0035 J**	0.0086 J	0.0045 J	0.00006 U
	7/14/2011 DUP	0.949	0.0196 U	0.0015 U	0.0292 J	0.00014 U	0.00021 J	13	0.0047 U	0.00071 J	0.0046 J	**1.9 J**	0.0024 J	2.48	**0.327**	0.0032 J	0.677 J	0.0025 U	0.0028 U	3.47 J	**0.0032 J**	0.0049 U	0.0043 J	0.00006 U
	7/11/12	0.191 J	0.060 U	0.005 U	0.03 J	0.005 U	0.005 U	15.6	0.005 U	0.050 U	0.005 U	**0.508 J**	0.005 U	2.93	**0.646 J**	0.020 U	0.767 J	0.005 UJ	0.010 UJ	3.74 J	0.010 UJ	0.020 U	0.010 U	0.00006 U
	7/11/12 DUP	0.772 J	0.060 U	0.005 U	0.03 J	0.005 U	0.005 U	15.1	0.005 U	0.050 U	0.005 U	**1.06 J**	0.005 U	2.82	**0.446 J**	0.020 U	0.791 J	0.005 UJ	0.010 UJ	3.63 J	0.010 UJ	0.020 U	0.010 U	0.00006 U
	7/15/13	0.0061 U	0.002 U	0.0039 J	0.0186 J	0.0010 U	0.0015 U	16.3 J	0.0027 U	0.00073 U	0.0062 J	0.0514 J	0.0021 U	2.86 J	0.0255	0.0013 J	0.746 J	0.0031 U	0.0027 U	4.46 J	0.0033 R	0.0109 U	0.0043 J	0.00015 U
	7/15/13 DUP	0.0061 U	0.002 U	0.0048 J	0.0234 J	0.0010 U	0.00045 J	17.1 J	0.0027 U	0.00073 U	0.0072 J	0.131	0.0023 J	2.97 J	0.0515	0.0020 J	0.891 J	0.0031 U	0.0027 U	5.09 J	0.0033 R	0.0109 U	0.0238	0.00015 U
	9/15/14	0.0157 U	0.0028 U	0.0022 U	0.0341 J	0.00022 U	0.00041 U	18.9	0.0028 U	0.0027 U	0.0027 U	**3.32**	0.0021 J	2.84 J	**0.707**	0.0037 J	0.778 J	0.0015 U	0.0038 J	4.27 J	0.003 U	0.0042 U	0.0065 J	0.00004 U
	9/15/14 DUP	0.0454 J	0.0028 U	0.0022 U	0.036 J	0.00022 U	0.00062 J	25.9	0.0028 U	0.00094 J	0.0027 U	**6.86 J**	0.0021 J	2.93 J	**0.615**	0.0039 J	1.02 J	0.0015 U	0.0026 UJ	4.81 J	0.003 R	0.0042 U	0.0106 U	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.0028 J	0.0328 J	0.00041 U	0.00044 U	17.9	0.0099 U	0.00058 U	0.0024 U	**0.831**	0.0029 U	3.24 J	**0.391**	0.0039 J	0.706 J	0.0042 U	0.0025 U	4.89 J	0.0043 R	0.0051 U	0.004 J	0.00005 U
	9/16/15 DUP	0.022 U	0.0037 U	0.0031 J	0.0292 J	0.00041 U	0.00044 U	18.7	0.0099 U	0.00060 J	0.0024 U	**0.84J**	0.0029 U	3.26 J	**0.332**	0.0003 J	0.686 J	0.0042 UJ	0.0025 U	4.93 J	0.0043 R	0.0051 I	0.0034 J	0.00005 U
	9/29/16	0.0166 U	0.0027 U	0.0028 U	0.0265 B	0.00012 U	0.00037 U	222	0.0069 U	0.00048 B	0.0017 U	**0.641 J**	0.0024 U	3.396 B	**0.142**	0.0023 B	0.816 B	0.0034 U	0.0039 U	6.9	0.0035 R	0.0042 U	0.0038 B	0.00003 U
	11/28/17	0.439	0.00042 U	0.00157	0.03948	0.00010 U	0.00012 J	24.5	0.00069 J	0.00093	0.00181	**1.54**	0.00099 J	4.37	**0.7748**	0.00331	0.849	0.00173 U	0.00016 U	8.14	0.00014 U	0.00157 U	0.00368 J	0.00006 U
	10/23/18	0.0284	0.004 U	0.00055	0.02357	0.0005 U	0.0002 U	25.1	0.001 U	0.0005 U	0.00046 J	0.195	0.001 U	4.68	0.2103	0.0024	1.02	0.005 U	0.0004 U	7.97	0.0005 U	0.005 U	0.01 U	0.0002 U
	10/23/18 DUP	0.0276	0.004 U	0.00059	0.02503	0.0005 U	0.00006 J	27.3	0.001 U	0.0005 U	0.00045 J	0.196	0.00078 J	4.98	0.2212	0.00234	1.13	0.005 U	0.0004 U	8.46	0.0005 U	0.005 U	0.00927 J	0.0002 U
	11/6/19	0.0676	0.004 U	0.00056	0.02366	0.0005 U	0.00015 J	24.9	0.00029 J	0.00017 J	0.00098 J	0.299 J	0.001 U	3.87	**0.3882**	0.00186 J	0.969	0.005 U	0.0004 U	5.58	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/2/20	0.0414	0.00221 J	0.00063	0.02431	0.0005 U	0.0002 U	20.1	0.0004 J	0.00022 J	0.00072 J	**0.536 J+**	0.001 U	3.67	**0.658**	0.00301	0.919	0.005 U	0.0004 U	5.75	0.001 U	0.005 U	0.00377 J	0.0002 U
	11/2/21	0.0295	0.00078 J	0.0004 J	0.01984	0.0005 U	0.00008 J	18.5	0.00023 J	0.0005 U	0.00077 J	0.0557	0.001 U	3.64	0.1749	0.0025	0.861	0.005 U	0.0004 U	4.45	0.001 U	0.005 U	0.01222	0.0002 U
	9/14/22	0.078 J	0.007 U	0.002 U	0.02	0.001 U	0.001 U	19.1	0.002 U	0.002 U	0.002 U	**0.89**	0.003 U	3.15	**0.83**	0.004 J	0.913 J	0.004 U	0.003 U	6.15	0.003 U	0.002 U	0.041 J	0.00009 U
MW-13D	12/12/95	3.7	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	88.9	0.010 U	0.050 U	0.025 U	**6.9**	0.003 U	10.3	0.16	0.040 U	5.00 U	0.005 U	0.010 U	**23.5**	0.010 U	0.050 U	0.063	0.0002 U
	3/28/96	0.29	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	72.5	0.010 U	0.050 U	0.025 U	0.16	0.003 U	6	0.017	0.040 U	5.00 U	0.005 U	0.010 U	17.8	0.010 U	0.050 U	0.063	0.0002 U
	7/1/96	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	52.1	0.010 U	0.050 U	0.025 U	0.24	0.003 U	6.4	0.015 U	0.040 U	5.00 U	0.005 U	0.010 U	15.7	0.010 U	0.050 U	0.050 U	0.0002 U
	10/15/96	0.32	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	75.4	0.010 U	0.050 U	0.025 U	**0.49**	0.003 U	6.8	0.065	0.040 U	5.00 U	0.005 U	0.010 U	19.3	0.010 U	0.050 U	0.17	0.0002 U
	4/2/97	0.49	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	294	0.010 U	0.050 U	0.025 U	0.14	0.003 U	5.00 U	0.015 U	0.040 U	11.4	0.005 U	0.010 U	**24**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	0.41	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	190	0.010 U	0.050 U	0.025 U	0.27	0.003 U	5.00 U	0.015 U	0.040 U	7.7	0.005 U	0.010 U	19.1	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	0.36	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	82.8	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	5.00 U	0.015 U	0.040 U	5.00 U	0.005 U	0.010 U	16.1	0.010 U	0.050 U	0.050 U	0.0002 U
	10/27/98	Well Dry - unable to collect samples																						
	5/3/99	0.48	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	247	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	5.00 U	0.015 U	0.040 U	10.3	0.005 U	0.010 U	**23.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/12/99	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	271	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	5.00 U	0.03	0.040 U	9.3	0.005 U	0.010 U	**21.4**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/11/00	0.23	0.060 U	0.010 U	0.088	0.005 U	0.005 U	487	0.010 U	0.050 U	0.027	0.085	0.004	0.554	0.015 U	0.022	15	0.005 U	0.010 U	**27.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/29/00	0.103	0.060 U	0.010 U	0.086	0.005 U	0.005 U		0.010 U	0.050 U	0.031	0.168	0.004	5.00 U	-	0.014	14.5	0.005 U	0.010 U	**24.4**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/01	0.85	0.060 U	0.010 U	0.132	0.005 U	0.005 U		0.010 U	0.050 U	0.036	0.042	0.004	5.00 U	-	0.016	13.6	0.005 U	0.010 U	**28.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	1.09	0.05 U	0.005 U	0.158	0.002 U	0.005 U		0.01 U	0.01 U	0.02	0.223	0.005	4.88 U	-	0.012	8.43	0.005	0.01 U	19.8	0.001 U	0.01 U	0.072	0.0002 U
	6/2/02	0.398	0.05 U	0.001	0.118	0.002 U	0.001 U	633	0.002 U	0.01 U	0.043	0.085	0.002	0.5 U	0.015	0.02	13.6	0.003	0.001 U	**27.4**	0.001 U	0.01 U	0.028	0.0002 U
	11/24/02	No Metals Required																						
	5/18/03	0.394	0.05 U	0.002	0.063	0.002 U	0.001 U	460	0.002 U	0.01 U	0.023	0.068	0.003	0.5 U	0.005 U	0.013	11.1	0.002	0.001 U	**23.4**	0.001 U	0.01 U	0.027	0.0002 U
	10/25/03	No Metals Required																						
	5/12/04	0.673	0.050 U	0.001	0.077	0.002 U	0.001 U	463	0.002	0.010 U	0.031	**0.451**	0.012	0.500 U	0.035	0.012 U	12.2	0.003	0.010 U	**21.4**	0.001 U	0.010 U	0.069	0.0002 U
	10/31/04	No Metals Required																						
	7/16/05	0.563	0.0010 U	0.001	0.068	0.0020 U	0.0010 U	477	0.0020 U	0.010 U	0.031	0.0400 U	0.0032	0.500 U	0.0050 U	0.012 U	12.7	0.0019	0.010 U	**23.3**	0.0010 U	0.010 U	0.021	0.0002 U
	11/12/05	No Metals Required																						
	6/19/06	0.536	0.060 U	0.050 U	0.059	0.005 U	0.005 U	460	0.005 U	0.050 U	0.005 U	0.081	0.005 U	0.178	0.020 U	0.020 U	14.2	0.005 U	0.010 U	18.9	0.010 U	0.020 U	0.011	0.0002 U
	11/14/06	No Metals Required																						
	6/18/07	0.416 J	0.060 U	0.050 U	0.048	0.005 U	0.005 U	355 J	0.005 U	0.050 U	0.006	0.050 U	0.005 UJ	0.050 U	0.020 UJ	0.020 U	11.8	0.005 UJ	0.010 U	19 J	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/30/08	7.86	0.060 U	0.005 U	0.18	0.005 U	**0.011**	809	0.005 U	0.050 U	0.023	**1.68 J**	0.021	9.7	0.185 J	0.029	14.5 J	0.005 U	0.010 U	**24.5 J**	0.010 UJ	0.020 U	0.061	0.0002 U
	6/8/09	0.337	0.0051 R	0.0022 U	0.0498 J	0.00024 U	0.00031 U	430	0.0052 U	0.00079 J	0.0065 J	0.012 J	0.0053	0.012 J	0.00057 U	0.0114 J	13.2J	0.0023 U	0.0014 U	**20.7 J**	0.0027 R	0.0086 U	0.0019 J	0.0002 UJ

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
	7/12/10	0.417	0.060 U	0.005 U	0.0601	0.0001 J	0.0002 J	328	0.005 U	0.050 U	0.007	0.042 J	0.0023 J	0.038 J	0.0092 J	0.013 J	11.8 J	0.005 U	0.010 UJ	**21.8 J**	0.010 U	0.020 U	0.0066 J	0.0002 U
	7/14/11	0.512	0.0196 U	0.0026 U	0.0431 J	0.00014 U	0.00025 J	339	0.0047 U	0.00043 U	0.0076 J	0.024 J	0.0054	0.0131 U	0.005 J	0.0127 J	11.1 J	0.0025 U	0.0028 U	19.1 J	**0.0055 J**	0.0206 J	0.0014 J	0.00006 U
	7/11/12	0.531 J	0.060 U	0.007 J	0.035 J	0.005 U	0.005 U	147	0.005 U	0.050 U	0.005 U	0.050 U	0.005 U	0.050 U	0.020 U	0.020 U	12.6 J	0.005 UJ	0.010 UJ	18.1 J	0.010 UJ	0.020 U	0.010 U	0.00006 U
	7/15/13	0.662	0.002 U	0.0102	0.0368 J	0.00010 U	0.0012 J	349 J	0.0027 U	0.00085 J	0.0093 J	0.038 J	0.0021 U	0.143 J	0.0026 J	0.0126 J	9.47 J	0.0031 U	0.0027 U	**20.8 J**	0.0033 R	0.0109 U	0.008 J	0.00015 U
	9/15/14	0.499	0.0028 U	0.0049 J	0.0353 J	0.00022 U	0.00047 J	278	0.003 J	0.0015 J	0.005 J	0.0029 U	0.0021 U	0.0152 U	0.00034 J	0.0114 J	9.35 J	0.0015 U	0.0041 UJ	**23.1**	0.0034 J	0.0042 U	0.0054 U	0.00004 U
	9/16/15	0.859	0.0037 U	0.0032 J	0.0236 J	0.00041 U	0.0013 J	134	0.0099 U	0.00077 J	0.0026 J	0.0293 J	0.0029 U	0.0292 J	0.0071 J	0.0069 J	5.32	0.0042 UJ	0.0025 U	19J	0.0043 R	0.0051 U	0.0023 J	0.00005 U
	9/29/16	1.45	0.0027 U	0.0068 B	0.0314 B	0.00012 U	0.00037 U	110	0.0069 U	0.001 B	0.0042 B	0.0232 J	0.0024 U	0.0513 B	0.0086 B	0.006 B	4.530 B	0.0034 U	0.0039 U	18.6	0.0035 R	0.0042 U	0.0015 B	0.00003 U
	11/28/17	1.38	0.00042 U	0.00109	0.02656	0.00010 U	0.00092	139	0.00164	0.00049 J	0.00428	0.109	0.00225	0.394	0.01701	0.00891	5.60	0.00173 U	0.00016 U	19.5	0.00014 U	0.00301 J	0.00869 J	0.00006 U
	10/23/18	0.733	0.004 U	0.00054	0.02384	0.0005 U	0.00007 J	124	0.001 U	0.00034 J	0.00274	0.0278 J	0.001 U	0.0485 J	0.00116	0.00861	5.69	0.005 U	0.0004 U	**20.6**	0.0005 U	0.00191 J	0.01 U	0.0002 U
	11/6/19	0.449	0.004 U	0.00073	0.03862	0.0005 U	0.0002	223	0.00188	0.00056	0.00398	0.156	0.00048 J	0.133	0.00903	0.01481	8.39	0.005 U	0.0004 U	**20.7**	0.0005 U	0.005 U	0.00501 J	0.0002 U
	11/2/20	0.568	0.004 U	0.00073	0.03548	0.0005 U	0.0002 U	196	0.00176	0.0005	0.00369	0.07 U	0.001 U	0.184	0.00142	0.01352	7.18	0.005 U	0.0004 U	18.3	0.001 U	0.005 U	0.01 U	0.0002 U
	11/2/21	0.817	0.004 U	0.00085	0.04416	0.0005 U	0.00007 J	202	0.00121	0.0005	0.00313	0.0366 J	0.001 U	0.321	0.00174	0.01285	7.6	0.005 U	0.0004 U	18.1	0.001 U	0.005 U	0.0124	0.0002 U
	9/14/22	0.98	0.007 U	0.002 U	0.036	0.001 U	0.001 U	182	0.002 U	0.002 U	0.005 J	0.041 J	0.003 U	0.698	0.004 J	0.013 J	6.48	0.004 U	0.003 U	18.6	0.003 U	0.002 U	0.015 J	0.00009 J
MW-14S	12/12/95	1.3	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	16	0.010 U	0.050 U	0.025 U	**1.4**	0.003 U	5.00 U	**0.48**	0.040 U	5.00 U	0.005 U	0.010 U	5	0.010 U	0.050 U	0.059	0.0002 U
	4/5/96	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	13	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	5.00 U	0.015 U	0.040 U	5.00 U	0.005 U	0.010 U	5	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	1.1	0.060 U	0.010 U	0.21	0.005 U	0.005 U	59.9	0.010 U	0.050 U	0.025 U	**1.1**	0.003 U	6.9	**1.4**	0.040 U	5.00 U	0.005 U	0.010 U	5.9	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	3.2	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	64.8	**0.06**	0.050 U	0.025 U	**4.4**	0.0052	5.7	**4.9**	0.040 U	5.00 U	0.005 U	0.010 U	9.5	0.010 U	0.050 U	0.050 U	0.0002 U
	4/24/97	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	24.9	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	5.00 U	0.017	0.040 U	5.00 U	0.005 U	0.010 U	5	0.010 U	0.050 U	0.050 U	0.0002 U
	10/22/97	7.1	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	66.8	0.010 U	0.050 U	0.025 U	**9.3**	0.0097	5.9	**2.4**	0.040 U	5.00 U	0.005 U	0.010 U	6	0.010 U	0.050 U	0.050 U	0.0002 U
	4/29/98	0.26	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	18.7	0.010 U	0.050 U	0.025 U	0.17	0.003 U	5.00 U	0.11	0.040 U	5.00 U	0.005 U	0.010 U	5	0.010 U	0.050 U	0.050 U	0.0002 U
	10/27/98	1.2	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	75.4	0.010 U	0.050 U	0.025 U	**1.9**	0.003 U	5.6	**1.6**	0.040 U	5.00 U	0.005 U	0.010 U	8.1	0.010 U	0.050 U	0.069	0.0002 U
	5/3/99	0.87	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	20.7	0.010 U	0.050 U	0.025 U	**0.83**	0.003 U	5.00 U	**0.64**	0.040 U	5.00 U	0.005 U	0.010 U	5	0.010 U	0.050 U	0.050 U	0.0002 U
	10/11/99	0.42	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	63.3	0.010 U	0.050 U	0.025 U	**0.43**	0.003 U	5.00 U	**0.94**	0.040 U	5.00 U	0.005 U	0.010 U	5	0.010 U	0.050 U	0.050 U	0.0002 U
MW-14S	5/10/00	1.07	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	10.1	0.010 U	0.050 U	0.025 U	**0.827**	0.004	1.26	0.021	0.040 U	0.981	0.005 U	0.010 U	2.43	0.010 U	0.050 U	0.050 U	0.0002 U
	10/28/00	0.692	0.060 U	0.010 U	0.153	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	**0.649**	0.003	4.95	-	0.012	1.23	0.005 U	0.010 U	3.81	0.010 U	0.050 U	0.022	0.0002 U
	4/30/01	0.489	0.060 U	0.010 U	0.032	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	**0.529**	0.004	2.02	-	0.040 U	1.05	0.005 U	0.010 U	2.42	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.538	0.05 U	0.005 U	0.088	0.002 U	0.005 U	-	0.01 U	0.01 U	0.017 U	**1.05**	0.006	4.76	-	0.018 U	1.12	0.005 U	0.01 U	4.36	0.001 U	0.01 U	0.024	0.0002 U
	5/31/02	0.167	0.05 U	0.001 U	0.022	0.002 U	0.001 U	13.2	0.002 U	0.01 U	0.017 U	0.202	0.002	1.36	**0.411**	0.012 U	0.783	0.001 U	0.001 U	2.63	0.001 U	0.01 U	0.02 U	0.0002 U
	5/17/03	3.39	0.05 U	0.002	0.038	0.002 U	0.001 U	12.3	0.002 U	0.01 U	0.017 U	**2.84**	0.002	1.74	0.15	0.012 U	1.57	0.001 U	0.001 U	1.66	0.001 U	0.01 U	0.028	0.0002 U
	5/11/04	1.8	0.050 U	0.001 U	0.022	0.002 U	0.001 U	13.6	0.002	0.010 U	0.017 U	**0.824**	0.007	1.4	0.076	0.012 U	1.82	0.001 U	0.010 U	2.38	0.001 U	0.010 U	0.067	0.0002 U
	7/16/05	4.01	0.0010 U	0.0028	0.486	0.0020 U	0.0010 U	65.1	0.0042	0.010 U	0.017 U	**5.44**	0.0109	9.29	**1.34**	0.015	2.75	0.0010 U	0.010 U	4.61	0.0010 U	0.010 U	0.024	0.0002 U
	6/19/06	0.342	0.060 U	0.050 U	0.038	0.005 U	0.005 U	36.8	0.005 U	0.050 U	0.005 U	**0.793**	0.005 U	3.66	**0.41**	0.020 U	0.941	0.005 U	0.010 U	2.73	0.010 U	0.020 U	0.02	0.0002 U
	6/19/07	2.37 J	0.060 U	0.005 U	0.149	0.005 U	0.005 U	63.3 J	0.005 U	0.050 U	0.008	**1.12 J**	0.005 UJ	7.67 J	**0.302 J**	0.020 U	1.21	0.005 UJ	0.010 U	5.29 J	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/30/08	0.651	0.060 U	0.005 U	0.078	0.005 U	0.005 U	62.3	0.005 U	0.050 U	0.005 U	**1.48 J**	0.005 U	5.97	**0.574 J**	0.020 U	1.23 J	0.005 U	0.010 U	4.35 J	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.168 J	0.0051 R	0.0022 U	0.0281 J	0.00024 U	0.00031 U	21	0.0052 U	0.00049 U	0.00025 U	**0.391 J**	0.0014 U	2.18 J	0.278	0.0033 J	0.784 J	0.0025 J	0.0014 U	2.54 J	0.0217 R	0.0086 U	0.0039 J	0.0002 UJ
	7/12/10	0.251	0.060 U	0.005 U	0.0654	0.005 U	0.0003 J	58.6	0.005 U	0.050 U	0.005 U	**0.422**	0.005 U	6.33	0.296	0.0027 J	1.2 J	0.005 U	0.010 UJ	4.87 J	0.010 U	0.020 U	0.0115	0.0002 U
	7/14/11	0.208	0.0196 U	0.0015 U	0.103 J	0.00014 U	0.0011 J	62.4	0.0047 U	0.00043 U	0.0034 J	**0.667 J**	0.0043	6.59	**0.455**	0.0036 J	1.1 J	0.0025 U	0.0028 U	4.17 J	**0.0149 J**	0.0058 J	0.0034 J	0.00006 U
	7/11/12	0.100 U	0.060 U	0.005 U	0.17 J	0.005 U	0.005 U	76.3	0.005 U	0.050 U	0.005 U	0.103 J	0.005 U	8.78	**0.428 J**	0.020 U	1.48 J	0.005 UJ	0.010 UJ	4.36 J	0.010 UJ	0.020 U	0.010 U	0.00006 U
	7/15/13	0.0061 U	0.002 U	0.0033 J	0.0229 J	0.010 U	0.027 J	26.8 J	0.0027 U	0.00073 U	0.0073 B	0.0509 J	0.0021 U	2.59 J	0.0828 J	0.0014 J	0.768 J	0.0031 U	0.0027 U	2.68 J	0.0033 R	0.0109 U	0.0083 J	0.00015 U
	9/15/14	0.0157 U	0.0028 U	0.0022 U	0.0463 J	0.00022 U	0.00041 U	55.4	0.0028 U	0.00073 J	0.0027 U	0.143 J	0.0021 U	4.72 J	0.231	0.0041 J	0.979 J	0.0015 U	0.003 UJ	4.19 J	**0.004 J**	0.0042 U	0.0085 U	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.0026 U	0.0628 J	0.00041 U	0.0014 J	51.7	0.0099 U	0.00071 J	0.0024 UJ	0.249	0.0029 U	4.56 J	0.266	0.0062 B	0.935 J	0.0042 UJ	0.0024 U	3.89 J	0.0043 R	0.0051 U	0.0065 J	0.00005 U
	9/29/16	0.0166 U	0.0027 U	0.0045 U	0.0518 B	0.00012 U	0.00037 U	57.1	0.0069 U	0.00054 B	0.0017 U	0.130 J	0.0024 U	4.680 B	0.152	0.0036B	0.896 B	0.0034 B	0.0039 U	4.230 B	0.0035 N	0.0042 U	0.0012 B	0.00003 U
	11/27/17	0.199	0.00042 U	0.00056	0.05259	0.00010 U	0.00059	53.7	0.00059 J	0.00041 J	0.00168	**0.354**	0.00114	4.31	**0.4039**	0.00413	1.14	0.00173 U	0.00016 U	4.28	0.00014 U	0.00157 U	0.00667 J	0.00006 U
	10/24/18	0.0579	0.004 U	0.00032 J	0.01845	0.0005 U	0.00019 J	15.1	0.001 U	0.00027 J	0.00063 J	0.0611	0.00037 J	1.61	0.02919	0.00165 J	0.928	0.005 U	0.0004 U	3.11	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/5/19	0.0894	0.004 U	0.00036 J	0.01833	0.0005 U	0.00015 J	10.3	0.00044 J	0.00020 J	0.00103	0.102	0.00056 J	1.22	0.06701	0.00131 J	0.969	0.005 U	0.0004 U	1.62	0.0005 U	0.005 U	0.00592 J	0.0002 U
	11/5/20	0.00671 J	0.004 U	0.00024 J	0.04744	0.0005 U	0.0002 U	61	0.00019 J	0.0005 U	0.001 U	0.07 U	0.001 U	4.93	0.00627	0.002 U	1.26	0.005 U	0.0004 U	4.62	0.001 U	0.005 U	0.01 U	0.0002 U
	11/2/21	0.148	0.004 U	0.00058	0.01531	0.0005 U	0.0002 U	7.38	0.0003 J	0.00026 J	0.00093 J	0.183	0.00116	0.941	0.1078	0.00182 J	0.897	0.005 U	0.0004 U	1.24	0.001 U	0.005 U	0.01552	0.0002 U
	9/15/22	0.209	0.007 U	0.002 U	0.029	0.001 U	0.001 U	43.7	0.002 U	0.002 U	0.002 U	**0.302**	0.003 U	3.78	0.242	0.005 J	1.12 J	0.004 U	0.003 UJ	4.38	0.003 U	0.002 U	0.014 J	0.00009 J

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
MW-14D	12/12/95	0.23	0.060 U	0.010 U	**2.6**	0.005 U	0.005 U	468	0.017	0.050 U	0.054	0.100 U	0.005 U	5.00 U	0.015 U	0.040 U	203	0.005 U	0.010 U	**1840**	0.010 U	0.050 U	0.050 U	0.0002 U
	3/28/96	0.29	0.060 U	0.010 U	**2.3**	0.005 U	0.005 U	500	0.015	0.050 U	0.050 U	**0.37**	0.005 U	5.00 U	0.015 U	0.040 U	108	0.005 U	0.010 U	**1870**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	0.31	0.060 U	0.010 U	**2.6**	0.005 U	0.005 U	488	0.013	0.050 U	0.037	0.25	0.0072	5.00 U	0.015 U	0.040 U	173	0.005 U	0.010 U	**1900**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.23	0.060 U	**0.065**	0.43	0.005 U	0.005 U	469	0.034	0.050 U	**0.22**	0.28	0.0072	5.00 U	0.04	0.040 U	67.2	0.005 U	0.010 U	**4830**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/9/97	0.200 U	0.060 U	0.010 U	**3.1**	0.005 U	0.005 U	472	0.010 U	0.050 U	0.04	0.100 U	0.005 U	5.00 U	0.015 U	0.040 U	198	0.005 U	0.010 U	**1430**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/22/97	0.61	0.060 U	0.012	**1.2**	0.005 U	0.005 U	368	0.016	0.050 U	0.042	**3.3**	0.005 U	5.00 U	0.033	0.040 U	88.4	0.005 U	0.010 U	**2280**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	Well Dry - unable to collect samples																						
	10/26/98	Well Dry - unable to collect samples																						
	5/3/99	Well Dry - unable to collect samples																						
	10/12/99	Well Dry - unable to collect samples																						
	10/29/00	Well Dry - unable to collect samples																						
	4/29/01	Well Dry - unable to collect samples																						
	5/31/02	Well Dry - unable to collect samples																						
	5/17/03	Well Dry - unable to collect samples																						
	10/25/03	Well Dry - unable to collect samples																						
	5/12/04	Well Dry - unable to collect samples																						
	7/16/05	Well Dry - unable to collect samples																						
	6/19/06	Well Dry - unable to collect samples																						
	6/18/07	Well Dry - unable to collect samples																						
	6/30/08	Well Dry - unable to collect samples																						
	7/12/10	Well Dry - unable to collect samples																						
	7/14/11	Well Dry - unable to collect samples																						
	7/11/12	Well Dry - unable to collect samples																						
	7/15/13	Well Dry - unable to collect samples																						
	9/15/14	Well Dry - unable to collect samples																						
	9/16/15	Well Dry - unable to collect samples																						
	9/29/16	Well Dry - unable to collect samples																						
	11/27/17	Well Dry - unable to collect samples																						
	2/9/18	0.674 J	0.02 U	**0.07396**	**2.032**	0.0025 UJ	0.00148	288 J	0.03742	0.00789	0.1525	**2.6**	0.01882	31.6 J	0.1138	0.0253	85.9 J	0.025 U	0.002 U	**6980 J**	0.0025 U	0.025 U	0.06445	0.0002 U
	10/25/18	0.184	0.02 U	**0.08395**	**1.455**	0.0025 U	0.00059 J	442	0.005 J	0.0025 U	0.01992	**0.755**	0.00545	**45.5**	0.09571	0.00788 J	27.7	0.025 U	0.002 U	**10200**	0.0025 U	0.025 U	0.05 U	0.0002 U
	11/5/19	0.333	0.02 U	**0.08153**	0.6445	0.0025 U	0.00064 J	662	0.00343 J	0.0025 U	0.01395	**0.388**	0.00383	**146**	0.2924	0.01 U	44.3	0.025 U	0.002 U	**7440**	0.0025 U	0.025 U	0.02277 J	0.0002 U
	11/3/20	0.27 J	0.2 U	**0.07423**	0.6901	0.025 U	0.01 U	751	0.02323 J	0.025 U	0.05 U	3.5 U	0.05 U	**130**	**0.454**	0.1 U	44.1	0.25 U	0.02 U	**7060**	0.05 U	0.25 U	0.5 U	0.0002 U
	11/4/21	0.0442 J	0.04 U	**0.05575**	0.5317	0.05 U	0.002 U	632	0.01 U	0.005 U	0.02 U	**0.369 J**	0.01 U	**152**	**0.5549**	0.02 U	43.4	0.05 U	0.004 U	**6950**	0.01 U	0.05 U	0.1 U	0.0001 J
Abandoned	10/27/22																							
MW-15S	12/12/95	0.22	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	57.5	0.010 U	0.050 U	0.025 U	**0.36**	0.0084	16	0.13	0.040 U	15.3	0.005 U	0.010 U	**40.1**	0.010 U	0.050 U	0.050 U	0.0002 U
	3/27/96	0.22	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	48.7	0.010 U	0.050 U	0.025 U	**0.46**	0.003 U	13.3	0.15	0.040 U	8.4	0.005 U	0.010 U	**27.4**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	0.51	0.060 U	0.017	0.48	0.005 U	0.005 U	199	0.010 U	0.050 U	0.025 U	0.16	0.003 U	5.00 U	0.019	0.040 U	9.8	0.005 U	0.010 U	**79.9**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.33	0.060 U	0.010 U	0.34	0.005 U	0.005 U	158	0.010 U	0.050 U	0.025 U	**0.35**	0.003 U	5.00 U	0.015 U	0.040 U	9.2	0.005 U	0.010 U	**76.2**	0.010 U	0.050 U	0.094	0.0002 U
	4/3/97	0.25	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	34.4	0.010 U	0.050 U	0.025 U	**0.85**	0.003 U	11.7	0.088	0.040 U	28.2	0.005 U	0.010 U	**47.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/22/97	0.3	0.060 U	0.010 U	0.84	0.005 U	0.005 U	267	0.010 U	0.050 U	0.025 U	**0.35**	0.003 U	5.00 U	0.015 U	0.040 U	9.3	0.005 U	0.010 U	**72.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	1	0.060 U	0.023	0.6	0.005 U	0.005 U	291	0.029	0.050 U	0.025 U	**0.79**	0.003 U	5.00 U	0.021	0.040 U	8.1	0.005 U	**0.065**	**69.8**	0.010 U	0.050 U	0.19	0.0002 U
	10/26/98	0.44	0.060 U	0.010 U	0.52	0.005 U	0.005 U	173	0.017	0.050 U	0.026	**0.59**	0.003 U	5.00 U	0.016	0.040 U	7	0.005 U	0.010 U	**65.7**	0.010 U	0.050 U	0.056	0.0002 U
	5/3/99	0.41	0.060 U	0.010 U	0.65	0.005 U	0.005 U	191	0.010 U	0.050 U	0.025 U	0.11	0.003 U	5.00 U	0.021	0.040 U	7.7	0.005 U	**0.065**	**67.3**	0.010 U	0.050 U	0.19	0.0002 U
	10/11/99	0.24	0.060 U	0.010 U	1	0.005 U	0.005 U	247	0.010 U	0.050 U	0.025 U	0.23	0.003 U	5.00 U	0.015 U	-	9.9	0.005 U	0.010 U	**71.1**	0.010 U	0.050 U	0.050 U	0.0002 U

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
MW-15S	5/10/00	0.369	0.060 U	0.004	0.649	0.005 U	0.005 U	218	0.037	0.01	0.025 U	**0.95**	**0.033**	0.01	0.015 U	0.037	7.38	0.005 U	0.010 U	**60.7**	0.010 U	0.050 U	0.027	0.0002 U
	10/28/00	0.29	0.060 U	0.005	0.377	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.189	0.004	5.00 U	-	0.040 U	6.18	0.005 U	0.010 U	**53**	0.010 U	0.050 U	0.025	0.0002 U
	4/30/01	0.343	0.060 U	0.010 U	0.344	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.11	0.003	5.00 U	-	0.040 U	6.84	0.005 U	0.010 U	**57.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075 U	0.05 U	0.005	0.424	0.002 U	0.005 U	-	0.01 U	0.01 U	0.017	0.075	0.005 U	0.5 U	-	0.012 U	5.73	0.005 U	0.01 U	**51.9**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/31/02	0.191	0.05 U	0.011	0.573	0.002 U	0.001 U	306	0.004	0.01 U	0.024	0.157	0.007	1.06	0.014	0.012 U	5.63	0.002	0.001 U	**51.4**	0.001 U	0.01 U	0.024	0.0002 U
	5/17/03	0.147	0.05 U	0.001	0.495	0.002 U	0.001 U	219	0.002	0.01 U	0.017 U	0.055	0.003	0.5 U	0.006	0.012 U	5.47	0.001 U	0.001 U	**46.3**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/11/04	0.216	0.050 U	0.003	0.633	0.002 U	0.001	301	0.006	0.010 U	0.021	0.288	0.046	0.500 U	0.011	0.012 U	7.48	0.002	0.010 U	**46.1**	0.001 U	0.010 U	0.097	0.0002 U
	7/16/05	0.075 U	0.0010 U	0.0010 U	0.751	0.0020 U	0.0010 U	354	0.0039	0.010 U	0.021	0.0703	0.004	0.500 U	0.0050 U	0.012 U	6.91	0.0010 U	0.010 U	**49.8**	0.0010 U	0.010 U	0.020 U	0.0002 U
	6/19/06	0.192	0.060 U	0.050 U	0.887	0.005 U	0.005 U	199	0.005 U	0.088	0.005 U	**0.393**	0.01	0.050 U	0.025	0.020 U	8.52	0.005 U	0.010 U	**33.4**	0.010 U	0.020 U	0.010 U	0.0002 U
	6/19/07	0.108 J	0.060 U	0.005 U	0.88	0.005 U	0.005 U	373 J	0.005 U	0.050 U	0.005	0.050 U	0.014 J	0.054 J	0.020 UJ	0.020 U	7.66	0.005 UJ	0.010 U	**33.6 J**	0.010 R	0.020 U	0.019	0.0002 UJ
	6/30/08	0.23	0.060 U	0.005 U	0.58	0.005 U	0.005 U	365	0.005 U	0.050 U	0.005 U	**0.364 J**	0.005 U	0.050 U	0.020 U	0.020 U	6.46 J	0.005 U	0.010 U	**37.1 J**	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.839	0.0067 R	0.0022 U	0.188 J	0.00024 U	0.00068 J	105	0.0052 U	0.00049 U	0.0042 J	0.293 J	0.0015 J	0.210 J	0.0136 J	0.0017 J	6.44 J	0.0023 U	0.0014 U	**43.6 J**	0.0081 R	0.0086 U	0.0054 J	0.0002 UJ
	7/12/10	0.97	0.060 U	0.005 U	0.0891	0.005 U	0.0011 J	36.7	0.005 U	0.050 U	0.005 U	**0.401**	0.005 U	0.444	0.0245	0.0008 J	4.98 J	0.005 U	0.010 UJ	**38.6 J**	0.010 U	0.020 U	0.0094 J	0.0002 U
	7/14/11	0.355	0.0196 U	0.0043 U	0.0789 J	0.00014 U	0.00047 J	26.8	0.0047 U	0.00043 U	0.0037 J	0.185 J	0.002 J	0.0558 J	0.0145 J	0.00070 J	4.49 J	0.0025 U	0.0028 U	**35.5 J**	**0.0025 J**	0.0055 J	0.0014 J	0.00006 U
	7/11/12	0.18 J	0.060 U	0.009 J	0.0071 J	0.005 U	0.005 U	16.5	0.005 U	0.050 U	0.005 U	0.050 U	0.005 U	0.105	0.020 U	0.020 U	5.4 J	0.005 UJ	0.010 UJ	**32 J**	0.010 UJ	0.020 U	0.010 U	0.00006 U
	7/15/13	0.0373 J	0.0053 J	0.0076 J	0.0568 J	0.0001 U	0.00017 J	9.63 J	0.0027 U	0.00073 U	0.0041 J	0.0186 J	0.0021 U	0.071 J	0.0018 J	0.00046 U	4.72 J	0.0031 U	0.0027 U	**40 J**	0.0033 R	0.0109 U	0.0035 J	0.00015 U
	9/15/14	0.173 J	0.0028 U	0.0127	0.0841 J	0.00022 U	0.0024 J	16.2	0.0028 U	0.00017 U	0.0027 U	0.0303 J	0.0021 U	0.390 J	0.0042 J	0.00036 U	5.15 J	0.0015 U	0.0047 UJ	**40.1J**	0.003 R	0.007 J	0.0061 U	0.00004 U
	9/16/15	0.127 J	0.0041 J	0.0117	0.0527 J	0.00041 U	0.00044 U	5.82	0.0099 U	0.00058 U	0.0024 U	0.0141 J	0.0029 U	0.408 J	0.0012 J	0.0008 U	5.04	0.0042 UJ	0.0025 U	**46.1J**	0.0043 R	0.0051 U	0.0014 J	0.00005 U
	9/29/16	0.251	0.0027 U	0.0037	0.129 B	0.00012 B	0.00082 U	53.3	0.0069 U	0.00039 B	0.004 B	0.045 J	0.0024 U	0.887 B	0.0274	0.0004 U	4.990 B	0.0034 U	0.0039 U	**39.700 B**	0.0035 R	0.0087 B	0.0078 B	0.00003 U
	11/27/17	0.301	0.00042 U	**0.02668**	0.1314	0.00010 U	0.00007 J	34.6	0.00056 J	0.00016 U	0.00050 J	0.0368 J	0.00114	3.67	0.01265	0.00055 U	4.86	0.00173 U	0.00016 U	**46.7**	0.00014 U	0.00249 J	0.00341 U	0.00006 U
	10/24/18	0.148	0.004 U	0.00996	0.08131	0.0005 U	0.00006 J	26.8	0.001 U	0.0005 U	0.001 U	0.0252 J	0.00089 J	7.39	0.01908	0.002 U	4.41	0.005 U	0.0004 U	**57**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/7/19	0.123	0.004 U	0.00945	0.06709	0.0005 U	0.00020 U	23.5	0.00026 J	0.0005 U	0.001 U	0.05 U	0.00054 J	5.35	0.01372	0.002 U	4.36	0.005 U	0.0004 U	**47**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/4/20	0.263	0.00139 J	0.00185	0.1257	0.0005 U	0.0002 U	27	0.0017	0.0005 U	0.00054 J	0.07 U	0.001 U	0.802	0.00434	0.002 U	5.39	0.005 U	0.0004 U	**46.9**	0.001 U	0.005 U	0.01 U	0.0002 U
	11/3/21	0.206	0.00081 J	0.00335	0.1161	0.0005 U	0.0002 U	33.6	0.00234	0.0005 U	0.002 U	0.05 U	0.00034 J	0.414	0.0048	0.00107 J	4.14	0.005 U	0.0004 U	**41.3**	0.001 U	0.005 U	0.01198	0.0002 U
	9/15/22	0.059 J	0.007 U	0.002 J	0.124	0.001 U	0.001 U	14	0.002 U	0.002 U	0.002 U	0.120 J	0.003 U	0.12	0.002 U	0.002 U	5.1	0.004 U	0.003 U	**47.8**	0.003 U	0.002 U	0.007 J	0.00009 U
MW-15I	12/12/95	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	40.4	0.010 U	0.050 U	0.025 U	0.21	0.003 U	13.9	0.11	0.040 U	13.2	0.005 U	0.010 U	**35.7**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/5/96	0.21	0.060 U	0.010 U	0.44	0.005 U	0.005 U	147	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	5.00 U	0.015 U	0.040 U	9.6	0.005 U	0.010 U	**79.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	11.1	0.010 U	0.050 U	0.025 U	**0.42**	0.003 U	11.8	0.051	0.040 U	28.1	0.005 U	0.010 U	**47.8**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.39	0.060 U	0.010 U	0.57	0.005 U	0.005 U	14.8	0.010 U	0.050 U	0.025 U	**0.64**	0.003 U	10.9	0.057	0.040 U	33.5	0.005 U	0.010 U	**58.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/3/97	0.42	0.060 U	0.010 U	0.57	0.005 U	0.005 U	142	0.010 U	0.050 U	0.025 U	**0.41**	0.003 U	5.00 U	0.015 U	0.040 U	8.8	0.005 U	0.010 U	**67.4**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/22/97	0.36	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	24.4	0.010 U	0.050 U	0.025 U	**1**	0.003 U	9.7	0.044	0.040 U	40.8	0.005 U	0.010 U	**60.9**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	25.6	0.010 U	0.050 U	0.025 U	**0.35**	0.003 U	13.5	0.084	0.040 U	26.1	0.005 U	0.010 U	**46.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/26/98	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	38.1	0.010 U	0.050 U	0.025 U	**0.47**	0.003 U	13.1	0.1	0.040 U	20.7	0.005 U	0.010 U	**45.3**	0.010 U	0.050 U	0.094	0.0002 U
	5/3/99	3.8	0.060 U	0.010 U	0.48	0.005 U	0.005 U	108	**0.057**	0.050 U	0.025 U	**8.5**	0.0076	15.9	**0.64**	0.040 U	10.9	0.005 U	0.010 U	**32.6**	0.010 U	0.050 U	0.084mbd	0.0002 U
	10/11/99	0.29	0.060 U	0.010 U	0.43	0.005 U	0.005 U	26.9	0.045	0.050 U	0.025 U	**1.3**	0.003	11.9	0.054	0.040 U	26.4	0.005 U	0.010 U	**51.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/10/00	0.200 U	0.060 U	0.010 U	0.089	0.005 U	0.005 U	14.9	0.010 U	0.050 U	0.025 U	**0.305**	0.004	12.8	0.026	0.017	21.3	0.005 U	0.010 U	**45**	0.010 U	0.050 U	0.058	0.0002 U
	10/28/00	0.144	0.060 U	0.004	0.137	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	**0.365**	0.007	12.4	-	0.040 U	17	0.005 U	0.010 U	**37.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/1/01	0.200 U	0.060 U	0.010 U	0.191	0.005 U	0.005 U	-	0.019	0.050 U	0.025 U	**0.308**	0.003 U	13.4	-	0.040 U	5.00 U	0.005 U	0.010 U	**32**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075 U	0.05 U	0.005 U	0.173	0.002 U	0.005 U	-	0.01 U	0.01 U	0.017 U	**0.433**	0.003	12.6	-	0.012 U	5.91	0.005 U	0.01 U	**30.2**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/31/02	0.075 U	0.05 U	0.001	0.077	0.002 U	0.001 U	17.7	0.002 U	0.01 U	0.017 U	0.118	0.003	12	0.053	0.012 U	22	0.001 U	0.001 U	**47.5**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/17/03	0.075 U	0.05 U	0.002	0.033	0.002 U	0.001 U	7.68	0.002 U	0.01 U	0.017 U	0.088	0.002	10.8	0.024	0.012 U	25.4	0.001 U	0.001 U	**50.8**	0.001 U	0.01 U	0.029	0.0002 U
	5/11/04	0.1 U	0.050 U	0.002	0.02	0.002 U	0.001	4.9	0.002 U	0.010 U	0.017 U	0.16	0.005	8.9	0.007	0.012 U	24.8	0.001 U	0.010 U	**48**	0.001 U	0.010 U	0.056	0.0002 U
	7/16/05	0.075 U	0.0021	0.0022	0.034	0.0020 U	0.0010 U	7.54	0.0020 U	0.010 U	0.017 U	0.0637	0.0062	10.2	0.0088	0.012 U	23.6	0.0010 U	0.010 U	**55**	0.0010 U	0.010 U	0.020 U	0.0002 U
	6/19/06	0.100 U	0.060 U	0.050 U	0.064	0.005 U	0.005 U	9.9	0.005 U	0.050 U	0.005 U	**3.73**	0.007	9.02	0.092	0.020 U	21.8	0.005 U	0.010 U	**34**	0.010 U	0.020 U	0.025	0.0002 U
	6/19/07	0.100 U	0.060 U	0.005 U	0.223	0.005 U	0.005 U	56 J	0.005 U	0.050 U	0.005 U	**0.455 J**	0.005 UJ	13.5 J	0.21 J	0.020 U	3.06	0.005 UJ	0.010 U	19.7 J	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/30/08	0.100 U	0.060 U	0.005 U	0.16	0.005 U	0.005 U	41.1	0.005 U	0.050 U	0.006	**0.476 J**	0.005 U	11.6	0.147 J	0.020 U	8.95 J	0.005 U	0.010 U	**28.2 J**	0.010 UJ	0.020 U	0.010 U	0.0002 U
	6/8/09	0.0141 U	0.0147 R	0.0022 U	0.0203 J	0.00024 U	0.00031 U	4.4 J	0.0052 U	0.0041 J	0.0028 J	0.0515 J	0.0014 U	9	0.0126 J	0.002 J	20 J	0.0023 U	0.0014 U	**34.3 J**	0.0242 R	0.0086 U	0.0091 J	0.0002 UJ
	7/12/10	0.079 J	0.060 U	0.005 U	0.0601	0.005 U	0.0004 J	7.63	0.005 U	0.0028 J	0.005 U	0.270	0.005 U	7.64	0.0319	0.0022 J	14.3 J	0.005 U	0.010 UJ	**34 J**	0.010 U	0.020 U	0.0064 J	0.0002 U
	7/14/11	0.0117 J	0.0196 U	0.0016 U	0.0505 J	0.00014 J	0.0044 J	8.49	0.0047 U	0.0027 J	0.0071 J	**0.335 J**	0.003	8.98	0.0281	0.0032 J	11 J	0.0025 U	0.0028 U	**31.1 J**	**0.0027 J**	0.0049 U	0.0037 J	0.00006 U
	7/11/12	0.100 U	0.060 U	0.006 J	0.051 J	0.005 U	0.005 U	9.28	0.005 U	0.050 U	0.005 U	0.050 U	0.005 U	6.35	0.020 U	0.020 U	10.5 J	0.005 UJ	0.010 UJ	**21.5 J**	0.010 UJ	0.020 U	0.010 U	0.00006 U
	7/15/13	0.006 U	0.0048 J	0.0048 J	0.0857 J	0.0001 U	0.00032 J	8.91 J	0.0027 U	0.003 J	0.0071 J	0.11	0.0026 J	6.95 J	0.0218	0.0023 J	10.6 J	0.0031 U	0.0027 U	**30.7 J**	0.0033 R	0.0109 U	0.0119 J	0.00015 U
	9/15/14	0.0157 U	0.0028 U	0.0022 U	0.0716 J	0.00022 U	0.00041 U	8.84	0.0028 U	0.0035 J	0.0027 U	0.0757 J	0.0028 J	6.65	0.012 J	0.0021 J	11.5 J	0.0015 U	0.0033 UJ	**34.3**	0.003 R	0.0042 U	0.0081 U	0.00004 U
	9/16/15	0.022 U	0.0049 J	0.0033 J	0.0935 J	0.00041 U	0.0011 J	14.1	0.0099 U	0.0037 J	0.0024 U	0.149J	0.0029 U	61.3	0.0295	0.0031 J	9.86	0.0042 UJ	0.0025 U	**33.2J**	0.0043 R	0.0051 U	0.0045 J	0.00005 U
	9/29/16	0.0166 U	0.0027 B	0.0029 B	0.204	0.00012 U	0.00037 U	31	0.0069 U	0.0014 B	0.0028 U	0.119 J	0.0024 U	119	0.0411	0.00091 B	5.69	0.0034 U	0.0039 U	**30.9**	0.0035 R	0.0042 U	0.00099 B	0.00003 U
	11/27/17	0.0134 R	0.00042 U	0.00218	0.1683	0.00010 U	0.00040	32.2	0.00033 J	0.00181	0.00072 J	0.0654	0.00052 J	9.54	0.06926	0.00151 J	5.80	0.00173 U	0.00016 U	**25.7**	0.00014 U	0.00157 U	0.00341 U	0.00006 U
	10/24/18	0.16	0.004 U	0.00223	0.2274	0.0005 U	0.0001 J	60.5	0.001 U	0.0005 U	0.00049 J	**0.442**	0.00093 J	13.8	0.2144	0.002 U	2.52	0.005 U	0.0004 U	**29.6**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/7/19	0.157	0.004 U	0.00226	0.2317	0.0005 U	0.00008 J	64.2	0.00047 J	0.0002 J	0.001 U	**0.610**	0.00061 J	14.6	0.2238	0.002 U	2.65	0.005 U	0.0004 U	**26.6**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/4/20	0.187	0.00056 J	0.00254	0.2589	0.0005 U	0.00007 J	71.5	0.00072 J	0.00024 J	0.0005 J	**0.616 J+**	0.00056 J	14.7	0.2216	0.00061 J	3.2	0.005 U	0.0004 U	**27.7**	0.001 U	0.005 U	0.01 U	0.0002 U
	11/3/21	0.208	0.004 U	0.00219	0.2212	0.0005 U	0.00006 J	61	0.001	0.00022 J	0.00044 J	**0.688**	0.00052 J	14.1	0.2133	0.002 U	2.62	0.005 U	0.0004 U	**26**	0.001 U	0.005 U	0.01253	0.0002 U
	9/15/22	0.041 J	0.007 U	0.003 J	0.205	0.001 U	0.001 U	58	0.002 U	0.002 U	0.002 U	0.298	0.003 U	14.1	0.185	0.002 U	2.8	0.004 U	0.003 U	**27.9**	0.003 U	0.002 U	0.002 J	0.00009 U

TABLE 2
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA (mg/L)		**0.003***	**0.025***	**1.000***	**0.003****	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	**35****	**0.300***	**0.100***		**0.010***	**0.050***	**20***	**0.0005****		**2****	**0.0007***
MW-15D	12/13/95	0.45	0.060 U	0.010 U	**1.5**	0.005 U	0.005 U	28.2	0.021	0.050 U	0.025 U	**1**	0.003 U	6.4	0.036	0.040 U	28.8	0.005 U	0.010 U	**169**	0.010 U	0.050 U	0.050 U	0.0002 U
	3/27/96	0.6	0.060 U	0.010 U	1	0.005 U	0.005 U	21.2	0.010 U	0.050 U	0.025 U	**1.3**	0.003 U	5.7	0.064	0.040 U	12.7	0.005 U	0.010 U	**174**	0.010 U	0.050 U	0.050 U	0.0002 U
	7/2/96	0.25	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	21.7	0.010 U	0.050 U	0.025 U	**0.35**	0.003 U	5.5	0.024	0.040 U	5	0.005 U	0.010 U	**135**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.25	0.060 U	0.010 U	**1.1**	0.005 U	0.005 U	20.9	0.010 U	0.050 U	0.025 U	**0.39**	0.003 U	5.2	0.019	0.040 U	8.8	0.005 U	0.010 U	**152**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/3/97	0.200 U	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	22.5	0.010 U	0.050 U	0.025 U	0.17	0.003 U	5.4	0.018	0.040 U	5.00 U	0.005 U	0.010 U	**150**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/22/97	0.68	0.060 U	0.010 U	0.72	0.005 U	0.005 U	19.6	0.019	0.050 U	0.025 U	**2.8**	0.003 U	5.2	0.036	0.040 U	10.9	0.005 U	0.010 U	**171**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	0.21	0.060 U	0.010 U	0.99	0.005 U	0.005 U	12.8	0.010 U	0.050 U	0.025 U	**0.53**	0.003 U	5.00 U	0.019	0.040 U	16	0.005 U	0.010 U	**170**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/26/98	0.41	0.060 U	0.010 U	**1.3**	0.005 U	0.005 U	22.3	0.013	0.050 U	0.025 U	**0.48**	0.003 U	5.00 U	0.031	0.040 U	6.3	0.005 U	0.010 U	**184**	0.010 U	0.050 U	0.056	0.0002 U
	5/3/99	1.1	0.060 U	0.010 U	**1.1**	0.005 U	0.005 U	27.5	0.010 U	0.050 U	0.025 U	**1**	0.003 U	6.3	0.049	0.040 U	5.5	0.005 U	0.010 U	**153**	0.010 U	0.050 U	0.050 U	0.0002 U
MW-15D	10/12/99	1.2	0.060 U	0.010 U	**1.3**	0.005 U	0.005 U	24.4	**0.054**	0.050 U	0.025 U	**1.6**	0.003 U	5.5	0.033	0.046	5.00 U	0.005 U	0.010 U	**177**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/10/00	0.173	0.060 U	0.010 U	**1.23**	0.005 U	0.005 U	20.5	0.017	0.050 U	0.025 U	0.288	0.005	4.64	0.021	0.040 U	4.01	0.005 U	0.010 U	**165**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/28/00	0.200 U	0.060 U	0.010 U	**1.19**	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.065	0.004	5.07	-	0.040 U	8.22	0.005 U	0.010 U	**146**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/01	0.200 U	0.060 U	0.010 U	**1.18**	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.105	0.002	4.64	-	0.040 U	5.53	0.005 U	0.010 U	**142**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.107	0.05 U	0.005 U	**1.17**	0.002 U	0.005 U	-	0.01 U	0.01 U	0.017 U	**0.475**	0.003	4.48	-	0.012 U	14.4	0.005 U	0.01 U	**132**	0.001 U	0.01 U	0.029	0.0002 U
	5/31/02	0.075 U	0.05 U	0.002 U	0.866	0.002 U	0.001 U	5.52	0.004 U	0.01 U	0.017 U	0.04 U	0.002	4.14	0.005 U	0.012 U	13.3	0.002 U	0.001 U	**135**	0.001 U	0.01 U	0.02 U	0.0002 U
	5/18/03	0.075 U	0.05 U	0.003 U	0.671	0.002 U	0.001 U	3.15	0.006 U	0.01 U	0.017 U	0.057	0.001	4.06	0.007	0.012 U	26.4	0.003 U	0.001 U	**138**	0.001 U	0.01 U	0.042	0.0002 U
	5/11/04	0.1 U	0.050 U	0.001 U	0.506	0.002 U	0.001 U	2.6	0.002 U	0.010 U	0.017 U	0.051	0.001 U	3.7	0.0050 U	0.012 U	34.1	0.001 U	0.010 U	**149**	0.001 U	0.010 U	0.056	0.0002 U
	7/16/05	0.075 U	0.0010 U	0.0050 U	0.836	0.0020 U	0.0010 U	19.3	0.010 U	0.010 U	0.017 U	0.149	0.0023	3.83	0.0050 U	0.012 U	33.6	0.0050 U	0.010 U	**188**	0.0010 U	0.010 U	0.020 U	0.0002 U
	6/19/06	0.100 U	0.060 U	0.050 U	0.825	0.005 U	0.005 U	41	0.005 U	0.083	0.005 U	0.195	0.005 U	2.96	0.020 U	0.020 U	45.4	0.005 U	0.010 U	**79.3**	0.010 U	0.020 U	0.010 U	0.0002 U
	6/19/07	0.100 U	0.060 U	0.005 U	0.813	0.005 U	0.005 U	17 J	0.005 U	0.050 U	0.005	0.101 J	0.005 UJ	3.19 J	0.020 UJ	0.020 U	24.8	0.005 UJ	0.010 U	**48.8 J**	0.010 R	0.020 U	0.010 U	0.0002 UJ
	6/30/08	0.100 U	0.060 U	0.005 U	0.576	0.005 U	0.005 U	15.6	0.005 U	0.050 U	0.005 U	0.089 J	0.005 U	2.89	0.020 U	0.020 U	33.3 J	0.005 U	0.010 U	**185 J**	0.010 UJ	0.020 U	0.057	0.0002 U
	6/8/09	0.014 U	0.0051 R	0.0022 U	0.501	0.00025 J	0.00031 U	5.1	0.0052 U	0.00078 J	0.0025 U	0.0058 J	0.0014 U	3.29 J	0.00057 U	0.00078 J	31.1 J	0.0048 J	0.0014 U	**177 J**	0.0189 R	0.0086 U	0.0421	0.0002 UJ
	7/12/10	0.042 J	0.060 U	0.005 U	0.75	0.0002 J	0.0002 J	5.53	0.005 U	0.050 U	0.005 U	0.022 J	0.005 U	3.26	0.0015 J	0.020 U	16.7 J	0.005 U	0.010 UJ	**104 J**	0.010 U	0.020 U	0.0166	0.0002 U
	7/14/11	0.0081 U	0.0196 U	0.0021 U	0.607	0.00014 U	0.0014 J	12.6	0.0047 U	0.00091 J	0.003 J	0.114 J	0.0019 U	3.24 J	0.0016 J	0.0026 J	23 J	0.0025 U	0.0028 U	**160 J**	**0.0034 J**	0.0068 J	0.0192 J	0.00006 U
	7/11/12	0.100 U	0.060 U	0.005 U	0.73 J	0.005 U	0.005 U	37.6	0.005 U	0.050 U	0.005 U	0.152 J	0.005 U	3.18	0.020 U	0.020 U	30 J	0.005 UJ	0.010 UJ	**139 J**	0.010 UJ	0.020 U	0.022 J	0.00006 U
	7/15/13	0.0061 U	0.0022 J	0.0016 U	0.232	0.00021 J	0.00021 J	3.54 J	0.0027 U	0.0011 J	0.0042 J	0.0096 J	0.0021 U	2.52 J	0.0015 U	0.0019 J	29.2 J	0.0031 U	0.0027 U	**203 J**	0.0046 J	0.0109 U	0.003 J	0.00015 U
	9/15/14	0.0157 U	0.0028 U	0.0029 J	0.576	0.00022 U	0.00094 J	21.9	0.0028 U	0.0019 J	0.0027 U	0.0383 J	0.0021 U	3.41 J	0.0053 J	0.0016 J	27.3 J	0.0015 U	0.0035 UJ	**187**	0.003 R	0.0042 U	0.0166 U	0.00004 U
	9/16/15	0.022 U	0.0037 U	0.0026 U	0.265	0.00041 U	0.00044 U	5.31	0.0099 U	0.001 J	0.0024 U	0.0077 J	0.0029 U	2.93 J	0.00056 J	0.0018 J	26.4	0.0042 UJ	0.0025 U	**138J**	0.0043 R	0.0051 U	0.0036 UJ	0.00005 U
	9/29/16	0.0166 U	0.0027 U	0.0034 J	0.728	0.00012 U	0.0019 J	30.6	0.0104	0.0025 J	0.0045 J	0.0614 J	0.0024 U	3.60 J	0.0035 U	0.0039 U	23.6	0.0034 U	0.0039 U	**174**	0.0035 R	0.0042 U	0.0147 J	0.00003 U
	11/27/17	0.0812	0.00042 U	0.00018 J	0.8393	0.00010 U	0.00197	15.7	0.00081 J	0.00181	0.00299	0.139	0.00135	3.52	0.01082	0.00260	9.68	0.00173 U	0.00016 U	**133**	0.00014 U	0.00157 U	0.01898	0.00006 U
	10/26/18	0.188	0.004 U	0.00043 J	**1.279**	0.0005 U	0.0002 U	20.4	0.001 J	0.00062	0.00153	**0.503**	0.001 U	4.09	0.02747	0.01462	3.15	0.005 U	0.0004 U	**176**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/7/19	0.0473	0.004 U	0.00026 J	**1.16**	0.0005 U	0.00006 J	17.2	0.00491	0.00052	0.00063 J	0.124	0.001 U	3.49	0.01813	0.00542	3.68	0.005 U	0.0004 U	**162**	0.0005 U	0.005 U	0.01 U	0.0002 U
	11/6/20	0.0683	0.0006 J	0.0003 J	0.1806	0.0005 U	0.0002 U	2.89	0.00182	0.00119	0.0016	0.07 U	0.001 U	2.2	0.00153	0.00671	12.5	0.005 U	0.0004 U	**138**	0.001 U	0.005 U	0.00427 J	0.0002 U
	11/3/21	0.126	0.004 U	0.00078	0.9988	0.0005 U	0.0002 U	11.9	0.00123	0.0002 J	0.00057 J	0.23	0.00035 J	2.12	0.02203	0.00183 J	3.52	0.005 U	0.0004 U	**242**	0.001 U	0.005 U	0.01032	0.0002 U
	10/24/22	0.127	0.0071 U	0.0019 U	0.13	0.0009 U	0.001 U	10.9	0.0021 U	0.0030 J	0.0048 J	0.174	0.0027 U	1.84	0.0111	0.0052 J	18.2	0.0035 U	0.0028 U	**173**	0.0025 U	0.0020 U	0.0107 J	0.00009 U

*NYS GA = standard value for groundwater considered a source of drinking water.
**NYS GA = guidance value for groundwater considered a source of drinking water.
mg/L = milligram per liter.
U = Not detected above the reported sample quantitation limit
J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detectio
Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs)
UJ = Not detected above the reported sample quantitation limit; quantitation limit is approximate.
R - Result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria
J+ = The result is an estimated quantity, but the result may be biased high.

TABLE 3
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS (ug/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in ug/L.

Well ID	Date	1,1,1,2-TCA	1,1,1-TCA	1,1,2,2-TCA	Freon 113	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2,4-TCB	DBCP	EDB	1,2-DCB	1,2-DCA	1,2-DCP	1,3-DCP	1,3-DCB	1,4-DCB	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane
	NYS GA (ug/L)	5*	5*	5*	5*	1*	5*	5*	5*	0.04*	0.0006*	3*	5*	5*	1*	3*	3*	50**	50**		50**	1*	5*	50**	5*
MW-7S	12/12/95	-	2.7	-	-	-	3.4	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-
	3/28/96	-	1.3	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	1.6	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	1.1	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/27/98	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/3/99	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/99	-	2.8	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/10/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	1 U	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	4/30/01	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	1 U	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/25/01	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	1 U	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	6/2/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	1 U	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	11/24/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	1 U	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	5/18/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	1 U	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/25/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	1 U	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	5/13/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	1 U	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/31/04	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-		2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	7/16/05	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-		2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	11/12/05	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-		2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	6/19/06	-	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	-		5.0 U	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U
	11/14/06	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/18/07	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	11/26/07	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
	6/30/08	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
	6/8/09	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/12/10	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/14/11	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/11/12	-	5 UJ	5 UJ	5 UJ	5 UJ	2.1 J	5 UJ	5 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	-	5 UJ	5 UJ	10 UJ	10 UJ	10 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ
	7/15/13	-	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 UJ
	9/15/14	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U
	9/16/15	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 UJ	5 UJ	5 U	5 U	10 UJ
	9/29/16	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10U	5 U	5 U	5 U	5 U	-	5 U	5 U	10U	10U	10U	10U	5 U	5 U	5 U	10U
	11/28/17	-	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.25 J	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	2.5 U	2 U	2.5 U
	11/28/2017 DUP	-	2.5 U	0.5 U	2.5 U	1.5 U	0.5 J	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.2 J	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.19 R	2 U	0.70 UJ
	10/23/2018	-	2.5 U	0.5 U	2.5 U	1.5 U	0.76 J	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.5 U	1 U	0.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/6/19	1.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.71 J	2.5 U	2.5 U	2.5 U	2.5 U	0.17 J	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/6/19 DUP	1.5 U	2.5 U	0.5 U	2.5 U	1.5 U	0.72 J	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.16 J	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/3/20	-	2.5 U	0.5 U	2.5 U	1.5 U	0.9 J	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.5 U	1 U	-	2.5 UJ	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/3/20 DUP	-	2.5 U	0.5 U	2.5 U	1.5 U	0.87 J	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.5 U	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/2/21	-	2.5 U	0.5 U	2.5 U	1.5 U	0.94 J	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.31 J	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	1.5 J	0.5 U	0.5 U	2 U	2.5 U
	11/2/2021 DUP	-	2.5 U	0.5 U	2.5 U	1.5 U	0.92 J	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.28 J	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	9/14/22	-	0.7 U	0.17 U	0.7 U	0.5 U	1.2J	0.17 U	0.7 U	0.7 U	0.65 U	0.7 U	0.29J	0.14 U	-	0.7 U	0.7 U	1.9 U	1 U	1 U	1.5 U	0.16 U	0.19 U	0.65 U	0.7 U
MW-7D	12/12/95	-	2.7	-	-	-	3.3	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-
	4/5/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	1.4	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-
	10/27/98	-	-	-	-	-	1.1	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-
	5/3/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/99	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	4/30/01	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/25/01	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	6/2/02	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	11/24/02	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	5/18/03	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/25/03	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	5/13/04	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/31/04	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-	-	2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	7/16/05	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-	-	2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	11/12/05	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-	-	2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	6/19/06	-	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U
	11/14/06	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	5 BJ	10 U	10 U	10 U	10 U
	6/18/07	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	11/26/07	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
	6/30/08	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
	6/8/09	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/12/10	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/14/11	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/11/12	-	5 UJ	5 UJ	5 UJ	5 UJ	2.1 J	5 UJ	5 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	-	5 UJ	5 UJ	10 UJ	10 UJ	10 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ
	7/15/13	-	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 UJ
	9/15/14	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U
	9/16/15	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 UJ	5 UJ	5 U	5 U	10 U
	9/29/16	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10U	5 U	5 U	5 U	5 U	-	5 U	5 U	10U	10U	10U	10U	5 U	5 U	5 U	10U
	11/28/17	-	0.76J	0.5 U	2.5 U	1.5 U	1.9J	0.5 U	2.5 U	2.5 U	2 U	2.5 U	1	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	10/23/2018	-	0.73 J	0.5 U	2.5 U	1.5 U	1.5 J	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.82	1 U	0.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/6/19	1.5 U	0.85 J	0.5 U	2.5 U	1.5 U	1.6 J	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/3/20	-	0.74 J	0.5 U	2.5 U	1.5 U	1.6 J	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.65	1 U	-	2.5 UJ	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/2/21	-	0.92 J	0.5 U	2.5 U	1.5 U	2.2 J	0.19 J	2.5 U	2.5 U	2 U	2.5 U	1	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	9/14/22	-	1.0 J	0.17 U	0.70 U	0.50 U	2.3 J	0.19 J	0.70 U	0.70 U	0.65 U	0.70 U	1	0.14 U	0.14 U	0.70 U	0.70 U	1.9 U	1 U	1 U	1.5 U	0.16 U	0.15 U	0.65 U	0.70 U

TABLE 3
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS (ug/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in ug/L.

Well ID	Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorobromomethane	cis-1,2-DCE	cis-1,3-DCP	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl Acetate	Methyl Cyclohexane	MTBE	Methylene chloride
	NYS GA (ug/L)	60**	5*	5*	5*	7*	5*	5*	5*	0.4*		50**	5*	5*	5**	5*			10**	5*
MW-7S	12/12/95	-	-	-	-	**7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/28/96	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/27/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2
	5/3/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/99	-	-	-	-	4.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/10/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	4/30/01	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/25/01	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	6/2/02	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	11/24/02	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	5/18/03	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/25/03	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	5/13/04	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/31/04	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	7/16/05	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	11/12/05	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	6/19/06	-	5.0 U	5.0 U	10 U	5.0 U	10 U	-	5.0 U	5.0 U	-	5.0 U	10 U	5.0 U	-	5.0 U	-	-	-	5.0 U
	11/14/06	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/18/07	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	11/26/07	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/30/08	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/8/09	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/12/10	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/14/11	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2.6 JB**
	7/11/12	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	-	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
	7/15/13	5 U	5 U	5 U	10 U	5 UJ	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/15/14	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/16/15	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/29/16	5 U	5 U	5 U	10U	5 U	10U	-	5 U	5 U	10U	5 U	10U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	11/28/17	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	-	2.5 U	0.5 U	10U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10U	2.5 U	2.5 U
	11/28/2017 DUP	5 U	0.5 U	2.5 U	0.070 UJ	2.5 U	2.5 U	-	2.5 U	0.5 U	10U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10U	2.5 U	0.070 UJ
	10/23/2018	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/6/19	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	-	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/6/19 DUP	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	-	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/3/20	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/3/20 DUP	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/2/21	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/2/2021 DUP	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	9/14/22	1 U	0.13 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.14 U	0.27 U	0.15 U	1 U	0.7 U	0.7 U	0.7 U	0.23 U	0.4 U	0.7U	0.7U
MW-7D	12/12/95	-	-	-	-	**6.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/5/96	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-
	10/27/98	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	2.3
	5/3/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	4/30/01	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/25/01	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	6/2/02	-	1 U	1 U	1 U	1	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	11/24/02	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	5/18/03	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/25/03	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	5/13/04	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/31/04	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	7/16/05	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	11/12/05	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	6/19/06	-	5.0 U	5.0 U	10 U	5.0 U	10 U	-	5.0 U	5.0 U	-	5.0 U	10 U	5.0 U	-	5.0 U	-	-	-	5.0 U
	11/14/06	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/18/07	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	11/26/07	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/30/08	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/8/09	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/12/10	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/14/11	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2.5 JB**
	7/11/12	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	-	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
	7/15/13	5 U	5 U	5 U	10 U	5 UJ	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/15/14	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/16/15	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/29/16	5 U	5 U	5 U	10U	5 U	10U	-	5 U	5 U	10U	5 U	10U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	11/28/17	5 U	0.5 U	2.5 U	2 J	2.5 U	2.5 U	-	2.9	0.5 U	10U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10U	2.5 U	2.5 U
	10/23/2018	5 U	0.5 U	2.5 U	1.3 J	2.5 U	2.5 U	2.5 U	1.7 J	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/6/19	5 U	0.5 U	2.5 U	1 J	2.5 U	2.5 U	-	1.2 J	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/3/20	5 U	0.5 U	2.5 U	2 J	2.5 U	2.5 U	2.5 U	1.6 J	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/2/21	5 U	0.5 U	2.5 U	0.78 J	2.5 U	2.5 U	2.5 U	1.8 J	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	9/14/22	1 U	0.13 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	1.8 J	0.14 U	0.27 U	0.15 U	1 U	0.70 U	0.70 U	0.70 U	0.23 U	0.40 U	0.70 U	0.70 U

TABLE 3
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS (ug/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in ug/L.

Well ID	Date	o-Xylene	Styrene	PCE	Toluene	trans-1,2-DCE	trans-1,3-DCP	TCE	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,2,3-Trichlorobenzene	1,3,5-Trimethylbenzene	1,4-Dioxane
	NYS GA (ug/L)	**5***	**5***	**5***	**5***	**5***	**0.4***	**5***	**5***	**2***		**5***	**5***	**5***	**5***	**10****	**5***		**5***	
MW-7S	12/12/95	-	-	-	-	-	-	**21**	-	-	-	-	-	-	-	-	-	-	-	-
	3/28/96	-	-	-	-	-	-	**16**	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	-	-	**17**	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	-	-	**7.3**	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	**8.1**	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	**12**	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-
	10/27/98	-	-	-	-	-	-	2.3	-	1.5	-	-	-	-	-	-	-	-	-	-
	5/3/99	-	-	-	-	-	-	**7.6**	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/99	-	-	-	-	-	-	**23**	-	1.8	-	-	-	-	-	-	-	-	-	-
	5/10/00	-	-	-	-	-	-	**8**	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	1 U	-	1 U	1 U	1 U	1 U	5	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	4/30/01	1 U	-	1 U	1 U	1 U	1 U	3	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/25/01	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	6/2/02	1 U	-	1 U	1 U	1 U	1 U	5	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	11/24/02	1 U	-	1 U	1 U	1 U	1 U	**6**	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	5/18/03	1 U	-	1 U	1 U	1 U	1 U	5	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/25/03	1 U	-	1 U	1 U	1 U	1 U	5	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	5/13/04	1 U	-	1 U	1 U	1 U	1 U	3	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/31/04	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	7/16/05	5 U	-	5 U	5 U	5 U	5 U	5	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	11/12/05	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	6/19/06	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	-	-	-	-	-	-	-	-	-	-
	11/14/06	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/18/07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	11/26/07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/30/08	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/8/09	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/12/10	10 U	10 U	10 U	10 U	10 U	10 U	5 J	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/14/11	10 U	10 U	10 U	10 U	10 U	10 U	**5.9**	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/11/12	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	4.6 J	5 UJ	10 UJ	-	-	-	-	-	-	-	-	-	-
	7/15/13	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/15/14	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/16/15	5 U	5 U	5 U	5 UJ	5 U	5 U	3.8 J	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/29/16	5 U	5 U	5 U	5 U	5 U	5 U	3.0 J	5 U	10U	-	-	-	-	-	-	-	-	-	-
	11/28/17	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	2.9	2.5 U	0.16J	2.5 U	2.5 U	2.5 U	-	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250U
	11/28/2017 DUP	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	2.4	2.5 U	0.1 J	2.5 U	2.5 U	2.5 U	-	2.5 U	0.70 UJ	2.5 U	2.5 U	2.5 U	250U
	10/23/2018	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	2.5	2.5 U	0.11 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 UJ
	11/6/19	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	2.3	2.5 U	0.11 J	-	-	-	-	-	-	-	2.5 U	-	250 UJ
	11/6/19 DUP	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	2.2	2.5 U	1 U	-	-	-	-	-	-	-	2.5 U	-	250 UJ
	11/3/20	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	2.1	2.5 U	0.18 J	-	-	-	-	-	-	-	2.5 U	-	250 U
	11/3/20 DUP	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	2.3	2.5 U	0.22 J	-	-	-	-	-	-	-	2.5 U	-	250 U
	11/2/21	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	2.6	2.5 U	0.09 J	-	-	-	-	-	-	-	2.5 U	-	250 U
	11/2/2021 DUP	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	2.5	2.5 U	0.1 J	-	-	-	-	-	-	-	2.5 U	-	250 U
	9/14/22	0.7U	0.7U	0.18U	0.7U	0.7U	0.16U	0.18U	0.7U	0.17J	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U	61U
MW-7D	12/12/95	-	-	-	-	-	-	**24**	-	-	-	-	-	-	-	-	-	-	-	-
	4/5/96	-	-	-	-	-	-	**11**	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	-	-	**8.3**	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	-	-	**12**	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	**7.7**	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	**8.3**	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-
	10/27/98	-	-	-	-	-	-	**6.3**	-	-	-	-	-	-	-	-	-	-	-	-
	5/3/99	-	-	-	-	-	-	**4.9**	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/99	-	-	-	-	-	-	**8.5**	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/00	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	1 U	-	1 U	1 U	1 U	1 U	**7**	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	4/30/01	1 U	-	1 U	1 U	1 U	1 U	**5**	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/25/01	1 U	-	1 U	1 U	1 U	1 U	3	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	6/2/02	1 U	-	1 U	1 U	1 U	1 U	**7**	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	11/24/02	1 U	-	1 U	1 U	1 U	1 U	3	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	5/18/03	1 U	-	1 U	1 U	1 U	1 U	2	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/25/03	1 U	-	1 U	1 U	1 U	1 U	4	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	5/13/04	1 U	-	1 U	1 U	1 U	1 U	4	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/31/04	5 U	-	5 U	5 U	5 U	5 U	**7**	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	7/16/05	5 U	-	5 U	5 U	5 U	5 U	**7**	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	11/12/05	5 U	-	5 U	5 U	5 U	5 U	**7**	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	6/19/06	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	**5.0**	5.0 U	10 U	-	-	-	-	-	-	-	-	-	-
	11/14/06	10 U	10 U	10 U	10 U	10 U	10 U	**11**	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/18/07	10 U	10 U	10 U	10 U	10 U	10 U	**8 J**	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	11/26/07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/30/08	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/8/09	10 U	10 U	10 U	10 U	10 U	10 U	**19**	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/12/10	10 U	10 U	10 U	10 U	10 U	10 U	**14**	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/14/11	10 U	10 U	10 U	10 U	10 U	10 U	**19**	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/11/12	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	**14 J**	5 UJ	10 UJ	-	-	-	-	-	-	-	-	-	-
	7/15/13	5 U	5 U	5 U	5 U	5 U	5 U	**6.3**	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/15/14	5 U	5 U	5 U	5 U	5 U	5 U	**6.6**	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/16/15	5 U	5 U	5 U	5 UJ	5 U	5 U	**9.9**	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/29/16	5 U	5 U	5 U	5 U	5 U	5 U	**5.1**	5 U	10U	-	-	-	-	-	-	-	-	-	-
	11/28/17	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	**12**	2.5 U	1.4	2.5 U	2.5 U	2.5 U	-	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	74 J
	10/23/2018	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	**9.9**	2.5 U	0.99 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 UJ
	11/6/19	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	**11**	2.5 U	0.87 J	-	-	-	-	-	-	-	2.5 U	-	250 UJ
	11/3/20	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	**9.8**	2.5 U	1.2	-	-	-	-	-	-	-	2.5 U	-	250 U
	11/2/21	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	**12**	2.5 U	0.88 J	-	-	-	-	-	-	-	2.5 U	-	250 U
	9/14/22	0.70 U	0.70 U	0.18 U	0.70 U	0.70 U	0.16 U	**13**	0.70 U	0.95 J	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	61 U

TABLE 3
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS (ug/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in ug/L.

Well ID	Date	1,1,1,2-TCA	1,1,1-TCA	1,1,2,2-TCA	Freon 113	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2,4-TCB	DBCP	EDB	1,2-DCB	1,2-DCA	1,2-DCP	1,3-DCP	1,3-DCB	1,4-DCB	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane
	NYS GA (ug/L)	5*	5*	5*	5*	1*	5*	5*	5*	0.04*	0.0006*	3*	5*	5*	1*	3*	3*	50**	50**		50**	1*	5*	50**	5*
MW-13S	12/12/95	-	1.2	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/28/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/26/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/5/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	4/30/01	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/25/01	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	6/2/02	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.8	1 U	1 U	1 U
	11/24/02	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	5/18/03	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/25/03	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	5/12/04	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/31/04	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-	-	2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	7/16/05	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-	-	2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	11/12/05	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-	-	2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	6/19/06	-	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U
	11/14/06	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U
	6/18/07	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/18/07 Dup	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	11/26/07	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
	6/30/08	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
	6/30/08 Dup	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
	6/8/09	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/8/08 Dup	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/12/10	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/12/10 Dup	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/14/11	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/14/2011 DUP	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	**5.2 J**	10 U	10 U	10 U	10 U	10 U
	7/11/12	-	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	-	5 UJ	5 UJ	10 U	10 U	10 U	10 U	5 UJ	5 UJ	5 UJ	5 UJ
	7/11/12 DUP	-	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	-	5 UJ	5 UJ	10 UJ	10 UJ	10 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ
	7/15/13	-	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 UJ
	7/15/13 DUP	-	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 UJ
	9/15/14	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U
	9/15/14 DUP	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U
	9/16/15	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 UJ	5 UJ	5 U	5 U	10 U
	9/16/15 DUP	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 UJ	5 UJ	5 U	5 UJ	10 U
	9/29/16	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U
	9/29/16 DUP	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U
	11/28/17	-	2.5 U	0.5 U	2.5 U	1.5	2.5 U	0.5 U	2.5 U	0.7 UJ	2 U	2.5 U	0.5 U	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	0.7 UJ
	10/23/2018	-	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.5 U	1 U	0.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	10/23/2018 DUP	-	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.5 U	1 U	0.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/6/19	1.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/2/20	-	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.5 U	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/2/21	-	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.5 U	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	9/14/22	-	0.70 U	0.17 U	0.70 U	0.50 U	0.70 U	0.17 U	0.70 U	0.70 U	0.65 U	0.70 U	0.70 U	0.14U	0.70 U	0.70 U	0.70 U	1.9 U	1.0 U	1.0 U	1.5 U	0.16 U	0.19 U	0.65 U	0.70 U
MW-13D	12/12/95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/28/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/27/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/3/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	4/30/01	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/25/01	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	6/2/02	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	11/24/02	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	5/18/03	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/25/03	1 U	1 U	1 U	-	1 U	1 U	**5**	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	5/12/04	1 U	1 U	1 U	-	1 U	1 U	1 U	-	-	-	1 U	1 U	1 U	-	-	1 U	-	-	-	-	0.7 U	1 U	1 U	1 U
	10/31/04	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-	-	2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	7/16/05	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-	-	2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	11/12/05	-	5 U	5 U	-	5 U	5 U	5 U	-	-	-	2 U	5 U	5 U	-	-	2 U	-	-	-	-	0.7 U	5 U	5 U	5 U
	6/19/06	-	5.0 U	5.0 U	-	5.0 U	5.0 U	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U	5.0 U	10 U
	11/14/06	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
	6/18/07	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	38 U	10 U	10 U	10 U	10 U
	11/26/07	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
	11/26/07 Dup	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
	6/30/08	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 UJ	**55**	10 U	10 U	10 U	10 U
	6/8/09	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/12/10	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	49 U	10 U	10 U	10 U	10 U
	7/14/11	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	35	10 U	10 U	10 U	10 U
	7/11/12	-	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	-	5 UJ	5 UJ	10 UJ	10 UJ	10 UJ	22 UJ	5 UJ	5 UJ	5 UJ	5 UJ
	7/15/13	-	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	11 U	5 U	5 U	5 U	10 UJ
	9/15/14	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U
	9/16/15	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	-	5 U	5 U	10 U	10 U	10 U	10 UJ	5 UJ	5 U	5 U	10 U
	9/29/16	-	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10U	5 U	5 U	5 U	5 U	-	5 U	5 U	10U	10U	10U	10U	5 U	5 U	5 U	10U
	11/28/17	-	2.5 U	0.5 U	2.5 U	1.5	2.5 U	0.5 U	2.5 U	0.7 UJ	2 U	2.5 U	0.5 U	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	1.7 J	0.5 U	0.19 UR	2 U	0.70 UJ
	10/23/18	-	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.5 U	1 U	0.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/6/19	1.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	2 U	2.5 U
	11/2/20	-	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.5 U	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	19	0.5 U	0.5 U	2 U	2.5 U
	11/2/21	-	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	0.5 U	2.5 U	2.5 U	2 U	2.5 U	0.5 U	1 U	-	2.5 U	2.5 U	5 U	5 U	5 U	9.8	0.5 U	0.5 U	2 U	2.5 U
	9/14/22	-	0.70 U	0.17 U	0.70 U	0.50 U	0.70 U	0.17 U	0.70 U	0.70 U	0.65 U	0.70 U	0.13 U	0.14 U	0.14 U	0.70 U	0.70 U	1.9 U	1.0 U	1.0 U	1.5 U	0.16 U	0.19 U	0.65 U	0.70 U

TABLE 3
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS (ug/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in ug/L.

Well ID	Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Chlorobromomethane	cis-1,2-DCE	cis-1,3-DCP	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl Acetate	Methyl Cyclohexane	MTBE	Methylene chloride
	NYS GA (ug/L)	60**	5*	5*	5*	7*	5*	5*	5*	0.4*		50**	5*	5*	5**	5*			10**	5*
MW-13S	12/12/95	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/28/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/26/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/5/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	4/30/01	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/25/01	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	6/2/02	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	11/24/02	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	5/18/03	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/25/03	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	5/12/04	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/31/04	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	7/16/05	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	11/12/05	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	6/19/06	-	5.0 U	5.0 U	10 U	5.0 U	10 U	-	5.0 U	5.0 U	-	5.0 U	10 U	5.0 U	-	5.0 U	-	-	-	5.0 U
	11/14/06	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/18/07	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/18/07 Dup	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	11/26/07	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/30/08	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/30/08 Dup	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/8/09	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/8/08 Dup	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/12/10	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/12/10 Dup	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/14/11	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3.2 U
	7/14/2011 DUP	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6.8 U
	7/11/12	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	-	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
	7/11/12 DUP	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	-	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
	7/15/13	5 U	5 U	5 U	10 U	5 UJ	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	7/15/13 DUP	5 U	5 U	5 U	10 U	5 UJ	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/15/14	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/15/14 DUP	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/16/15	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/16/15 DUP	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/29/16	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/29/16 DUP	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	11/28/17	1.0 UJ	0.13 UJ	2.5 U	2.5 U	2.5 U	2.5 U	-	2.5 U	0.5 U	10U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10U	2.5	2.5
	10/23/2018	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	10/23/2018 DUP	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/6/19	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	-	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/2/20	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/2/21	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	9/14/22	1.0 U	0.13 U	0.70 U	0.70 U	0.70 U	0.70 U	0.15 U	0.70 U	0.14 U	0.27 U	0.15 U	1.0 U	0.70 U	0.70 U	0.70 U	0.23 U	0.40 U	0.70 U	0.70 U
MW-13D	12/12/95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/28/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/27/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2
	5/3/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	4/30/01	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/25/01	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	6/2/02	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	11/24/02	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	5/18/03	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/25/03	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	5/12/04	-	1 U	1 U	1 U	1 U	1 U	-	1 U	1 U	-	1 U	1 U	1 U	-	1 U	-	-	-	1 U
	10/31/04	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	7/16/05	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	11/12/05	-	5 U	5 U	5 U	5 U	5 U	-	5 U	5 U	-	5 U	5 U	5 U	-	5 U	-	-	-	5 U
	6/19/06	-	5.0 U	5.0 U	10 U	5.0 U	10 U	-	5.0 U	5.0 U	-	5.0 U	10 U	5.0 U	-	5.0 U	-	-	-	5.0 U
	11/14/06	10 U	10 U	10 U	10 U	10 U	10 U	-	Trend	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/18/07	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	11/26/07	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	11/26/07 Dup	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/30/08	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	6/8/09	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/12/10	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	7/14/11	10 U	10 U	10 U	10 U	10 U	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6 U
	7/11/12	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	-	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
	7/15/13	5 U	5 U	5 U	10 U	5 UJ	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/15/14	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/16/15	5 U	5 U	5 U	10 U	5 U	10 U	-	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	9/29/16	5 U	5 U	5 U	10U	5 U	10U	-	5 U	5 U	10U	5 U	10U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	11/28/17	5 U	0.5 U	2.5 U	0.07 UJ	2.5 U	0.70 UJ	-	2.5 U	0.5 U	10U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10U	2.5 U	2.5 U
	10/23/18	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/6/19	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	-	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/2/20	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	11/2/21	5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	10 U	0.5 U	5 U	2.5 U	2.5 U	2.5 U	2 U	10 U	2.5 U	2.5 U
	9/14/22	1.0 U	0.13 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.14 U	0.27 U	0.15 U	1.0 U	0.70 U	0.70 U	0.70 U	0.23 U	0.40 U	0.70 U	0.70 U

TABLE 3
LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS (ug/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in ug/L.

Well ID	Date	o-Xylene	Styrene	PCE	Toluene	trans-1,2-DCE	trans-1,3-DCP	TCE	Trichlorofluoromethane	Vinyl chloride	Xylenes, Total	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,2,3-Trichlorobenzene	1,3,5-Trimethylbenzene	1,4-Dioxane
	NYS GA (ug/L)	5*	5*	5*	5*	5*	0.4*	5*	5*	2*		5*	5*	5*	5*	10**	5*		5*	
MW-13S	12/12/95	-	-	-	-	-	-	**12**	-	-	-	-	-	-	-	-	-	-	-	-
	3/28/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/26/98	-	-	-	-	-	-	**6.3**	-	-	-	-	-	-	-	-	-	-	-	-
	5/5/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/99	-	-	-	-	-	-	2.3	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	1 U	-	1 U	1 U	1 U	1 U	2	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	4/30/01	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/25/01	1 U	-	1 U	1 U	1 U	1 U	2	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	6/2/02	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	11/24/02	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	5/18/03	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/25/03	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	5/12/04	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/31/04	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	7/16/05	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	11/12/05	5 U	-	5 U	5 U	5 U	5 U	5 U	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	6/19/06	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	-	-	-	-	-	-	-	-	-	-
	11/14/06	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/18/07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/18/07 Dup	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	11/26/07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/30/08	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/30/08 Dup	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/8/09	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/8/08 Dup	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/12/10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/12/10 Dup	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/14/11	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/14/2011 DUP	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/11/12	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	10 U	-	-	-	-	-	-	-	-	-	-
	7/11/12 DUP	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	-	-	-	-	-	-	-	-	-	-
	7/15/13	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/15/13 DUP	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/15/14	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/15/14 DUP	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/16/15	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/16/15 DUP	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/29/16	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/29/16 DUP	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	11/28/17	2.5 U	2.5 U	0.5 U	2.5	2.5 U	0.5 U	0.57	0.70 UJ	0.08J	2.5 U	2.5 U	2.5 U	-	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	61 UL
	10/23/2018	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.64	2.5 U	0.11 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 UJ
	10/23/2018 DUP	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.68	2.5 U	0.12 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 UJ
	11/6/19	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.29 J	2.5 U	1 U	-	-	-	-	-	-	-	2.5 U	-	61 UJ
	11/2/20	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.49 J	2.5 U	1 U	-	-	-	-	-	-	-	2.5 U	-	250 U
	11/2/21	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.25 J	2.5 U	1 U	-	-	-	-	-	-	-	2.5 U	-	250 U
	9/14/22	0.70 U	0.70 U	0.17 U	0.70 U	0.70 U	0.16 U	0.25 J	0.70 U	0.07 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	61 U
MW-13D	12/12/95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/28/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1/96	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/2/97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/23/97	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/27/98	-	-	-	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-
	5/3/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/11/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	4/30/01	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/25/01	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	6/2/02	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	11/24/02	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	5/18/03	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/25/03	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	5/12/04	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-	-	-	-	-
	10/31/04	5 U		5 U	5 U	5 U	5 U	5 U	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	7/16/05	5 U		5 U	5 U	5 U	5 U	5 U	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	11/12/05	5 U		5 U	5 U	5 U	5 U	5 U	5 U	2 U	-	-	-	-	-	-	-	-	-	-
	6/19/06	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	-	-	-	-	-	-	-	-	-	-
	11/14/06	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/18/07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	11/26/07	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	11/26/07 Dup	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/30/08	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	6/8/09	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/12/10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/14/11	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-	-	-	-	-
	7/11/12	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	10 UJ	-	-	-	-	-	-	-	-	-	-
	7/15/13	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/15/14	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/16/15	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	10 U	-	-	-	-	-	-	-	-	-	-
	9/29/16	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10U	-	-	-	-	-	-	-	-	-	-
	11/28/17	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	2.5 U	0.7 UJ	2.5 U	2.5 U	2.5 U	-	2.5 U	0.7 UJ	2.5 U	2.5 U	2.5 U	250
	10/23/18	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	250 UJ
	11/6/19	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	2.5 U	1 U	-	-	-	-	-	-	-	2.5 U	-	250 UJ
	11/2/20	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	2.5 U	1 U	-	-	-	-	-	-	-	2.5 U	-	250 U
	11/2/21	2.5 U	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	2.5 U	1 U	-	-	-	-	-	-	-	2.5 U	-	250 U
	9/14/22	0.70 U	0.70 U	0.18 U	0.70 U	0.70 U	0.16 U	0.18 U	0.70 U	0.07 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	61 U

Notes
Criteria and data reported in micrograms per liter (ug/L).
*NYS GA = standard value for groundwater considered a source of drinking water.
**NYS GA = guidance value for groundwater considered a source of drinking water.
U = Not detected above the reported sample quantitation limit.
J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
UJ = Not detected above the reported sample quantitation limit; quantitation limit is approximate.
R - Result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

TABLE 4
LAB ANALYSIS OF RESIDENTIAL SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA		**0.003***	**0.025***	**1.000***	0.003**	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	35**	**0.300***	**0.100***		**0.010***	**0.050***	**20***	0.0005**		2**	**0.0007***
Allen	12/13/95	0.200 U	0.060 U	0.010 U	0.91	0.005 U	0.005 U	47.9	0.010 U	0.050 U	0.043	**0.64**	0.003 U	11.4	**0.3**	0.040 U	5.00 U	0.005 U	0.010 U	**57.9**	0.010 U	0.050 U	0.050 U	0.0002 U
(2084 Bailey	3/28/96	0.200 U	0.060 U	0.010 U	**1.0**	0.005 U	0.005 U	48	0.010 U	0.050 U	0.04	**0.8**	0.0042	11.5	**0.3**	0.040 U	5.00 U	0.005 U	0.010 U	**62.4**	0.010 U	0.050 U	0.050 U	0.0002 U
Creek Rd)	7/2/96	0.200 U	0.060 U	0.010 U	**1.5**	0.005 U	0.005 U	37.9	0.010 U	0.050 U	0.043	**0.32**	0.0065	8.7	0.22	0.040 U	5.00 U	0.005 U	0.010 U	**92.5**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/16/96	0.200 U	0.060 U	0.010 U	0.61	0.005 U	0.005 U	54.3	0.010 U	0.050 U	0.025 U	**0.73**	0.003 U	12.3	**0.36**	0.040 U	5.00 U	0.005 U	0.010 U	**38**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/9/97	0.200 U	0.060 U	0.010 U	0.84	0.005 U	0.005 U	50.5	0.010 U	0.050 U	0.025 U	**0.53**	0.003 U	10.8	**0.31**	0.040 U	5.00 U	0.005 U	0.010 U	**56.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/23/97	0.200 U	0.060 U	0.010 U	**1.0**	0.005 U	0.005 U	45.9	0.010 U	0.050 U	0.025 U	**1.9**	0.003 U	9.8	**0.32**	0.040 U	5.00 U	0.005 U	0.010 U	**66.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/98	0.200 U	0.060 U	0.010 U	**1.5**	0.005 U	0.005 U	40.4	0.010 U	0.050 U	0.025 U	**0.3**	0.003 U	8.6	0.22	0.040 U	5.00 U	0.005 U	0.010 U	**101**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/27/98	0.200 U	0.060 U	0.010 U	0.63	0.005 U	0.005 U	52	0.010 U	0.050 U	0.025 U	0.65	0.003 U	U	0.015 U	0.040 U	5.00 U	0.005 U	0.010 U	**38.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/3/99	0.200 U	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	50.7	0.010 U	0.050 U	0.025 U	**0.84**	0.003 U	11.1	**0.32**	0.040 U	5.00 U	0.005 U	0.010 U	**67.9**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/12/99	0.200 U	0.060 U	0.010 U	0.57	0.005 U	0.005 U	52.6	0.010 U	0.050 U	0.025 U	**0.63**	0.003 U	11.9	**0.34**	0.040 U	5.00 U	0.005 U	0.010 U	**34.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/10/00	0.200 U	0.060 U	0.010 U	0.614	0.005 U	0.005 U	50.6	0.010 U	0.050 U	0.032	**1.08**	0.003 U	11.7	**0.348**	0.040 U	1.68	0.005 U	0.010 U	**37.9**	0.010 U	0.050 U	0.026	0.0002 U
	10/29/00	0.200 U	0.060 U	0.010 U	**1.22**	0.005 U	0.005 U	-	0.010 U	0.050 U	**0.284**	**0.307**	0.012	9.49	0.015 U	0.040 U	2.05	0.005 U	0.010 U	**78.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/1/01	0.200 U	0.060 U	0.010 U	0.996	0.005 U	0.005 U	-	0.010 U	0.050 U	**0.748**	**0.79**	0.012	10.2	0.015 U	0.040 U	2.08	0.005 U	0.010 U	**62.6**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075 U	0.050 U	0.005 U	0.551	0.002 U	0.005 U	-	0.010 U	0.010 U	0.017	**0.592**	0.003 U	10.9	0.015 U	0.012 U	1.43	0.005 U	0.010 U	**34.2**	0.001 U	0.010 U	0.025 U	0.0002 U
	6/2/02	0.075 U	0.050 U	0.001 U	**1.26**	0.002 U	0.001 U	37.3	0.002 U	0.010 U	0.078	**0.319**	0.003 U	8.25	0.205	0.012 U	1.96	0.001 U	0.001 U	**80.8**	0.001 U	0.010 U	0.020 U	0.0002 U
	11/24/02	0.075 U	0.001 U	0.003	0.614	0.002 U	0.005 U	51.2	0.010 U	0.010 U	**0.265**	**0.852**	**0.031**	11.7	**0.334**	0.012 U	1.76	0.001 U	0.010 U	**36.4**	0.001 U	0.010 U	0.049	0.0002 U
	5/18/03	0.075 U	0.050 U	0.001 U	0.737	0.002 U	0.001 U	46.4	0.002 U	0.010 U	0.07	**1.04**	0.002	10.5	0.297	0.012 U	1.63	0.001 U	0.001 U	**44.3**	0.001 U	0.010 U	0.022	0.0002 U
	10/25/03	0.075 U	0.001 U	0.001 U	0.016 U	0.002 U	0.001 U	0.5 U	0.002 U	0.001 U	0.017 U	0.055	0.001 U	0.5 U	0.005 U	0.001 U	0.5 U	0.001 U	0.001 U	**134**	0.001 U	0.001 U	0.020 U	0.0002 U
	5/14/04	0.100 U	0.050 U	0.001 U	**1.57**	0.002 U	0.001 U	55.8	0.003	0.010 U	0.018	**0.791**	0.002	11.9	**0.307**	0.012 U	3.63	0.001 U	0.010 U	**97.7**	0.001 U	0.010 U	0.021	0.0002 U
	10/31/04	0.075 U	0.050 U	0.001 U	0.811	0.0020 U	0.0010 U	51.7	0.002 U	0.010 U	0.017 U	0.0722	0.0028	11.7	**0.326**	0.012 U	2.68	0.001 U	0.010 U	**48.7**	0.001 U	0.010 U	0.119	0.0002 U
	7/16/05	0.075 U	0.001 U	0.001 U	0.016 U	0.002 U	0.001 U	0.500 U	0.002 U	0.010 U	0.017 U	0.040 U	0.001 U	0.500 U	0.005 U	0.012 U	0.833	0.001 U	0.010 U	**139**	0.001 U	0.010 U	0.020 U	0.0002 U
	11/12/05	0.075 U	0.050 U	0.005 U	**1.33**	0.002 U	0.001 U	40	0.010 U	0.010 U	0.043	**0.766**	0.0016	8.97	0.254	0.012 U	3.73	0.005 U	0.010 U	**89.8**	0.001 U	0.010 U	0.085	0.0002 U
	6/19/06	0.100 U	0.060 U	0.050 U	0.919	0.005 U	0.005 U	47.7	0.005 U	0.091	0.005 U	**0.923**	0.005 U	10.2	**0.308**	0.020 U	2.11	0.005 U	0.010 U	**33.4**	0.010 U	0.020 U	0.020	0.0002 U
	11/14/06	0.019 U	0.027 U	0.004 U	**1.1**	0.0003 U	0.002 U	42.8	0.004 U	0.11	0.024 J	**0.494**	0.002 U	9.16	0.256	0.001 U	2.68 J	0.004 U	0.004 U	**44.6**	0.003 U	0.006 U	0.015 J	0.00006 U
	5/4/07	0.100 U	0.006 U	0.005 U	**1.49**	0.004 U	0.005 U	52.4	0.005 U	0.050 U	0.006	**0.358**	0.001	9.4	0.257	0.020 U	3.27	0.002 U	0.010 U	**75.9**	0.002 U	0.020 U	0.016	0.0002 U
	11/26/07	0.0119 U	0.0003 U	0.0024 U	**1.42**	0.00048 J	0.0005 U	42 J	0.0027 U	0.0009 U	0.0046 J	**0.702 J**	0.0007 U	9.63	0.222	0.0009 U	2.99	0.0002 U	0.0018 U	**73.3**	0.0004 U	0.0046 U	0.0122 U	0.00006 U
	6/30/08	0.100 U	0.0008 U	0.0050 U	0.600	0.0004	0.0010 U	52.5	0.0050 U	0.0500 U	0.0050 U	**0.632**	0.001 U	10.8	**0.35**	0.0200 U	1.79	0.002 U	0.0100 U	**33**	0.0007 U	0.0200 U	0.0100 U	0.0002 U
	6/8/09	0.0141 U	0.0003 U	0.0022 U	**1.32**	0.0003 J	0.0003 U	46.2	0.0052 U	0.0005 U	0.0025 U	**0.46**	0.0007 U	10.1	0.256	0.0007 U	2.93 J	0.0004 U	0.0019 J	**77.3 J**	0.0003 U	0.0086 U	0.0119 J	0.0002 U
	7/12/10	0.0222 UJ	0.0005 U	0.0015 U	0.998	0.00035 J	0.00016 U	44.8	0.0047 U	0.00043 U	0.0024 J	**0.471**	0.0001 U	9.36	0.27	0.00056 U	2.28 J	0.0005 J	0.0028 U	**50.7 J**	0.0006 U	0.0049 U	0.0116 U	0.00007 U
	7/14/11	0.0081 U	0.0005 U	0.00024 U	0.780	0.00021 U	0.00014 U	55.9	0.0047 U	0.00043 U	0.0025 U	**0.754**	0.0001 U	11.9	**0.341**	0.00056 U	2.34 J	0.0002 U	0.0035 U	**61.9**	0.0006 U	0.0194 J	0.0073 J	0.00006 UJ
	7/10/12	0.100 U	0.0008 U	0.0005 U	**1.26**	0.0006	0.0010 U	38.6	0.0050 U	0.0500 U	0.0050 U	**0.312**	0.001 U	8.0	0.200	0.0050 U	2.60	0.002 U	0.0100 U	**72.1**	0.0007 U	0.0200 U	0.0122	0.0002 U
	7/17/13	0.0061 U	0.0006 U	0.00082 J	**1.06**	0.0026 J	0.00015 U	48.1	0.0027 U	0.00073 U	0.0041 J	**0.611**	0.0007 U	10.4	0.285	0.00046 U	2.68 J	0.0001 U	0.0027 R	**82 J**	0.0004 U	0.0109 U	0.0041 J	0.00015 U
	9/16/14	0.0157 U	0.0013 J	0.00029 U	**1.33**	0.00022 U	0.00041 U	40.2	0.0028 U	0.00098 J	0.0027 U	0.258 J	0.0008 U	9.14	0.215	0.00036 U	2.91 J	0.0038 J	0.0003 UJ	**93.1**	0.0003 U	0.0042 U	0.024	0.00004 U
	8/26/15	0.0022 U	0.0005 U	0.0015 J	0.68	0.00041 U	0.00044 U	58.2	0.0099 U	0.00075 J	0.0031 J	**1.26 J**	0.0003 UJ	13	**0.371**	0.00080 U	2.07 J	0.0003 U	0.00025 U	**37.5**	0.0007 U	0.0051 U	0.010 J	0.00005 U
	9/8/16	0.0016 U	0.0007 B	0.0012 B	**1.09**	0.00012 U	0.00037 U	47.7	0.0069 U	0.0012 B	0.0005 B	**0.28**	0.0002 U	9.33	0.235	0.00040 U	3.24 B	0.0006 U	**0.0039 U**	**129**	0.0007 U	0.0042 U	0.0057 B	0.00003 U
	6/27/17	0.2 U	0.0004 U	0.0007	**1.13**	0.00034 J	0.005 U	48	0.01 U	0.05 U	0.00351 J	**0.925**	0.002	11	0.268	0.04 U	2.61 J	0.001 U	0.001 U	**52.9**	0.0003 U	0.05 U	0.00419 J	0.0002 U
	10/24/18	0.01 U	0.000444 J	0.00077	**1.229**	0.0005 U	0.0002 U	42.3	0.001 U	0.0005 U	0.00616	**0.321 J**	0.00068 J	9.2	0.2463	0.002 U	1.98	0.005 U	0.0004 U	**83.8**	0.00056	0.005 U	0.00643 J	0.0002 U
	11/5/19	0.01 U	0.004 U	0.00068	**1.001**	0.0005 U	0.0002 U	44.7	0.001 U	0.0005 U	0.00055 J	**0.509**	0.001 U	9.93	0.2605	0.002 U	1.87	0.005 U	0.0004 U	**61.2**	0.0005 U	0.005 U	0.00720 J	0.0002 U
	11/6/20	0.1 U	**0.009 J**	0.005 U	0.97	0.005 U	0.005 U	45.2	0.01 U	0.02 U	0.181	**0.462**	0.007 J	10.1	0.279	0.006 J	2.11 J	0.01 U	0.007 U	**65.2**	0.02 U	0.01 U	0.133	0.0002 U
	11/5/21	0.01 U	0.00046 J	0.00059	**1.284**	0.0005 U	0.0002 U	43.4	0.001 U	0.0005 U	0.00525	0.292	0.00111	9.48	0.2357	0.002 U	2.1	0.005 U	0.0004 U	**90.3**	0.002 U	0.005 U	0.07879	0.0002 U
	9/12/22	0.032 U	0.0004 U	0.0016	0.7536	0.0001 U	0.0001 U	51.6	0.0002 J	0.002 U	0.0004 J	**0.507**	0.0003 UJ	11.2	**0.314**	0.0006 U	1.87 J	0.0017 U	0.0002 U	**46.5**	0.0001 U	0.0016 U	0.0099 J	0.0001 J

TABLE 4
LAB ANALYSIS OF RESIDENTIAL SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA		**0.003***	**0.025***	**1.000***	0.003**	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	35**	**0.300***	**0.100***		**0.010***	**0.050***	**20***	0.0005**		2**	**0.0007***
Horrigan/	5/3/99	0.200 U	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	20	0.010 U	0.050 U	0.025 U	**0.41**	0.003 U	5.00 U	**0.32**	0.040 U	5.00 U	0.005 U	0.010 U	**160**	0.010 U	0.050 U	0.050 U	0.0002 U
Subroto	10/12/99	0.200 U	0.060 U	0.010 U	**1**	0.005 U	0.005 U	16.8	0.010 U	0.050 U	0.025 U	0.12	0.003 U	5.00 U	0.037	0.040 U	5.00 U	0.005 U	0.010 U	**155**	0.010 U	0.050 U	0.050 U	0.0002 U
(2094 Bailey	5/10/00	0.200 U	0.060 U	0.010 U	**1.07**	0.005 U	0.005 U	16.4	0.010 U	0.050 U	0.025 U	**0.342**	0.002	5.00 U	0.037	0.040 U	2.37	0.005 U	0.010 U	**153**	0.010 U	0.050 U	0.050 U	0.0002 U
Creek Rd)	10/29/00	0.200 U	0.060 U	0.010 U	**1.14**	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.139	0.004	3.84	-	0.040 U	2.45	0.005 U	0.010 U	**151**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/1/01	0.200 U	0.060 U	0.010 U	**1.48**	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	**0.326**	0.001	4.75	-	0.040 U	3.25	0.005 U	0.010 U	**184**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075	**0.05**	0.005	**1.01**	0.002	0.005	-	0.01	0.01	0.017	0.128	0.002	3.4	-	0.012	2.22	0.006	0.01	**147**	0.001	0.01	0.052	0.0002 U
	6/2/02	0.075	**0.05**	0.001	**1.51**	0.002	0.001	23.4	0.002	0.01	0.017	0.189	0.001	4.89	0.05	0.012	2.71	0.001	0.001	**178**	0.001	0.01	0.02	0.0002 U
	6/2/02 Dup	0.200 U	0.060 U	0.010 U	-	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	-	0.003 U	-	-	0.040 U	-	-	0.010 U	-	0.010 U	0.050 U	0.050 U	0.0002 U
	11/24/02	0.075	0.001	0.001	**1.35**	0.002	0.005	21	0.01	0.01	0.017	0.144	0.001	4.5	0.046	0.012	3	0.001	0.01	**179**	0.001	0.01	0.02	0.0002 U
	11/24/02 Dup	0.200 U	0.060 U	0.010 U	-	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	-	0.003 U	-	-	0.040 U	-	0.005 U	0.010 U	-	0.010 U	0.050 U	0.050 U	0.0002 U
	5/10/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/1/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/25/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/2/02	0.075 U	0.05 U	0.001 U	**1.51**	0.002 U	0.001 U	23.4	0.002 U	0.01 U	0.017 U	**0.189**	0.001 U	4.89	0.05 U	0.012 U	2.71	0.001 U	0.001 U	**178**	0.001 U	0.01 U	0.02 U	0.0002 U
	11/24/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/18/03	0.078	**0.05**	0.001	**1.9**	0.002	0.001	30	0.002	0.01	0.017	0.219	0.001	6.31	0.064	0.012	2.99	0.001	0.001	**184**	0.001	0.01	0.02	0.0002 U
	10/25/03	0.075 U	0.001 U	0.001 U	**1.98**	0.002 U	0.001 U	30.4	0.002 U	0.001 U	0.017 U	0.254	0.001	6.38	0.065	0.001 U	3.09	0.002	0.001 U	**190**	0.001 U	0.001 U	0.027	0.0002 U
	5/14/04	0.1 U	0.050 U	0.001 U	**6.09**	0.002 U	0.001 U	91	0.003	0.010 U	0.017 U	**0.528**	0.001 U	18.8	0.179	0.012 U	6.73	0.003	0.010 U	**350**	0.001 U	0.010 U	0.013	0.0002 U
	10/31/04	0.103	0.05 U	0.0012	**3.6**	0.0020 U	0.0010 U	54.2	0.0020 U	0.010 U	0.017 U	**0.344**	0.0010 U	11.5	0.111	0.012 U	4.28	0.0035	0.010 U	**240**	0.0010 U	0.010 U	0.020 U	0.0002 U
	7/16/05	0.075 U	0.0010 U	0.0010 U	**4.54**	0.0020 U	0.0010 U	65.5	0.0020 U	0.010 U	0.017 U	**0.47**	0.0010 U	14	0.123	0.012 U	5.49	0.0038	0.010 U	**309**	0.0010 U	0.010 U	0.020 U	0.0002 U
	11/12/05	0.103	0.05 U	0.0012	**3.6**	0.0020 U	0.0010 U	54.2	0.0020 U	0.010 U	0.017 U	**0.344**	0.0010 U	11.5	0.111	0.012 U	4.28	0.0035	0.010 U	**240**	0.0010 U	0.010 U	0.020 U	0.0002 U
	6/19/06	0.100 U	**0.087**	0.050 U	**3.59**	0.005 U	0.005 U	47.7	0.005 U	0.358	0.03	0.248	0.005 U	9.26	0.091	0.020 U	6.44	0.005 U	0.010 U	**208**	0.010 U	0.020 U	0.016	0.0002 U
	11/14/06	0.0262 J	0.0268 U	0.0037 U	**3.18**	0.00044 J	0.0015 U	44.9	0.0037 U	0.318	0.003 J	0.256	0.0024 U	9.31	0.0861	0.0013 U	7.52	0.004 U	0.0036 U	**200**	0.0034 U	0.0063 U	0.0022 U	0.0001 U
	5/4/07	0.100 U	0.006 U	0.005 U	**4.63**	0.004 U	0.005 U	81.2	0.005 U	0.050 U	0.006	**0.418**	0.001 U	14.8	0.142	0.020 U	9.04	0.002 U	0.010 U	**257**	0.002 U	0.020 U	0.010	0.0002 U
	11/26/07	0.0052 U	0.0003 U	0.0024 U	**2.19**	0.00057 J	0.0005 U	30.2 J	0.0027 U	0.0009 U	0.0044 J	**0.617 J**	0.0007 U	6.57	0.056	0.0012 J	5.45	0.0002 U	0.0018 U	**174**	0.0004 U	0.0042 U	0.0067 J	0.00006 U
	6/30/08	0.100 U	0.0008 U	0.0050 U	**3.07**	0.0003 U	0.0010 U	44.9	0.0050 U	0.0500 U	0.0050 U	0.233	0.001 U	8.62	0.0856	0.0200 U	6.48	0.002 U	0.0100 U	**277**	0.0007 U	0.0200 U	0.0100 U	0.0002 U
	6/8/09	0.0141 U	0.0003 U	0.0022 U	**3.9**	0.0006 J	0.0003 U	55.7	0.0052 U	0.0005 U	0.0027 J	**0.343**	0.0003 U	12	0.105	0.0007 U	8.37 J	0.0004 U	0.0033 J	**300 J**	0.0003 U	0.0086 U	0.0057 J	0.0002 U
	7/12/10	0.0100 UJ	0.0005 U	0.0015 U	**2.43**	0.00059 J	0.00013 U	32.6	0.0047 U	0.00043 U	0.0068 J	0.19 U	0.0001 U	6.6	0.0621	0.0006 J	5.49 J	0.0002 U	0.0028 U	**183 J**	0.0006 U	0.0049 U	0.0105 U	0.00007 U
	7/14/11	0.0081 U	0.0005 U	0.00024 U	**3.12**	0.00028 U	0.00013 U	47.1	0.0047 U	0.00043 U	0.0025 U	0.224	0.0001 U	9.24	0.0824	0.00056 U	7.07 J	0.0002 U	0.0028 U	**329**	0.0006 U	0.0112 J	0.00032 J	0.00006 UJ
	7/10/12	0.100 U	0.0008 U	0.0005 U	**2.53**	0.0008	0.0010 U	36.6	0.0050 U	0.0500 U	0.0050 U	0.184	0.0010 U	7.03	0.0639	0.0050 U	5.43	0.002 U	0.0100 U	**232**	0.0007 U	0.0200 U	0.0100 U	0.0002 U
	7/17/13	0.0061 U	0.0006 U	0.00033 J	**2.41**	0.00054 J	0.00015 U	34.8	0.0027 U	0.00073 U	0.0081 J	0.12	0.0007 U	7.01	0.0625	0.00046 U	6.13 J	0.0001 U	0.0027 R	**213 J**	0.0004 U	0.0109 U	0.00025 J	0.00015 U
	9/16/14	0.0157 U	0.0008 J	0.00029 U	**1.7**	0.00022 U	0.00041 U	25.4	0.0028 U	0.00075 J	0.0027 U	0.134 J	0.0008 U	5.49	0.0464	0.00036 U	5.07 J	0.0003 U	0.0026 J	**230**	0.0003 U	0.0042 U	0.0078 J	0.00004 U
	8/26/15	0.022 U	0.0005 U	0.00027 U	**1.71**	0.00041 U	0.00044 U	24.4	0.0099 U	0.00058 J	0.0024 J	0.198 J	0.0006 J	5.46 J	0.0438	0.0008 U	5.25	0.0003 U	0.0025 U	**223**	0.0007 U	0.0051 U	0.0017 J	0.00005 U
	9/8/16	0.016 U	0.0006 B	0.0005 B	**1.48**	0.00012 U	0.00037 U	26.2	0.0069 U	0.0001 U	0.0134 B	0.111	0.0004 B	5.16	0.0428	0.00040 U	5.39	0.0006 U	0.0039 U	**297**	0.0007 U	0.0042 U	0.0066 B	0.00003 U
	6/27/17	0.2 U	0.0004 U	0.0004 J	**2.05**	0.000055 J	0.0005 U	30.3	0.01 U	0.05 U	0.00261 J	0.129	0.001 U	6.6	0.051	0.04 U	5.66	0.001 U	0.01 U	**210**	0.0003 U	0.05 U	0.00198 J	0.0002 U
	10/24/18	0.01 U	0.004 U	0.005 U	**1.705**	0.0005 U	0.00006 J	21.3	0.001 U	0.0005 U	0.00353	0.126 J	0.001 U	4.33	0.04266	0.002 U	2.6	0.005 U	0.0004 U	**198**	0.00034 J	0.005 U	0.01132	0.0002 U
	11/5/19	0.01 U	0.00053 J	0.0005 U	**1.689**	0.0005 U	0.0002 U	24.7	0.001 U	0.0005 U	0.00131	0.18	0.001 U	4.54	0.04777	0.002 U	2.94	0.005	0.0004 U	**211**	0.00020 J	0.005 U	0.00479 J	0.0002 U
	11/6/20	0.1 U	**0.025 J**	0.005 U	**1.65**	0.005 U	0.005 U	23.2	0.01 U	0.02 U	0.005 J	0.107	0.01 U	4.69	0.045	0.025 U	3.49	0.01 U	0.007 U	**222**	0.02 U	0.01 U	0.009 J	0.0002 U
	11/5/21	0.01 U	0.00068 J	0.0005 U	**1.663**	0.0005 U	0.0002 U	21.3	0.001 U	0.0005 U	0.00841	0.11	0.00039 J	4.66	0.04263	0.0029	2.7	0.005 U	0.0004 U	**206**	0.002 U	0.005 U	0.05565	0.0002 U
	10/25/22	0.0318 U	0.0004 U	0.0009 J	**2.562**	0.0001 U	0.0001 U	30.2	0.0006 J	0.0017 U	0.0053	0.166	0.0003 U	6.05	0.0526	0.0006 U	2.69	0.0027 J	0.0002 U	**225**	0.0001 U	0.0016 U	0.0058 J	0.0001 U

TABLE 4
LAB ANALYSIS OF RESIDENTIAL SAMPLES
TAL METALS (mg/L)
EDWARD ALLEN LANDFILL
CORNING, NEW YORK

Data Are Reported in mg/L

Well ID	Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury
	NYS GA		**0.003***	**0.025***	**1.000***	0.003**	**0.005***		**0.050***		**0.200***	**0.300***	**0.025***	35**	**0.300***	**0.100***		**0.010***	**0.050***	**20***	0.0005**		2**	**0.0007***
Peckham	12/12/95	0.200 U	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	47.5	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	10.4	0.14	0.040 U	5.00 U	0.005 U	0.010 U	**35.5**	0.010 U	0.050 U	0.050 U	0.0002 U
(2047 Bailey	4/1/96	0.200 U	0.060 U	0.010 U	**1**	0.005 U	0.005 U	44.2	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	9.7	0.11	0.040 U	5.00 U	0.005 U	0.010 U	**30.9**	0.010 U	0.050 U	0.050 U	0.0002 U
Creek Rd)	7/2/96	0.200 U	0.060 U	0.010 U	**1**	0.005 U	0.005 U	46.2	0.010 U	0.050 U	0.025 U	0.13	0.003 U	9.5	0.13	0.040 U	5.00 U	0.005 U	0.010 U	**29**	0.010 U	0.050 U	0.050 U	0.0002 U
(formerly	10/17/96	0.200 U	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	50.2	0.010 U	0.050 U	0.025 U	0.12	0.003 U	10.2	0.16	0.040 U	5.00 U	0.005 U	0.010 U	**36.9**	0.010 U	0.050 U	0.050 U	0.0002 U
Rarrick &	4/28/97	0.200 U	0.060 U	0.010 U	**1.1**	0.005 U	0.005 U	43	0.010 U	0.050 U	0.025 U	0.15	0.003 U	8.7	0.12	0.040 U	5.00 U	0.005 U	0.010 U	**25.5**	0.010 U	0.050 U	0.050 U	0.0002 U
Cobern/	10/23/97	0.200 U	0.060 U	0.010 U	**1.3**	0.005 U	0.005 U	50	0.010 U	0.050 U	0.025 U	0.14	0.003 U	9.6	0.15	0.040 U	5.00 U	0.005 U	0.010 U	**36.3**	0.010 U	0.050 U	0.050 U	0.0002 U
Williams)	4/30/98	0.200 U	0.060 U	0.010 U	**1.2**	0.005 U	0.005 U	49.5	0.010 U	0.050 U	0.025 U	0.15	0.003 U	9.5	0.16	0.040 U	5.00 U	0.005 U	0.010 U	**36.3**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/27/98	0.200 U	0.060 U	0.010 U	1.4	0.005 U	0.005 U	53.5	0.010 U	0.050 U	0.025 U	0.23	0.003 U	10.2	0.16	0.040 U	5.00 U	0.005 U	0.010 U	38.8	0.010 U	0.050 U	0.050 U	0.0002 U
	5/3/99	0.200 U	0.060 U	0.010 U	**1.7**	0.005 U	0.005 U	54	0.010 U	0.050 U	0.025 U	**0.38**	0.003 U	10.7	0.25	0.040 U	5.00 U	0.005 U	0.010 U	**42**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/11/99	0.200 U	0.060 U	0.010 U	0.53	0.005 U	0.005 U	54.7	0.010 U	0.050 U	0.025 U	0.100 U	0.003 U	10.7	0.031	0.040 U	5.00 U	0.005 U	0.010 U	**24.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	5/10/00	0.200 U	0.060 U	0.010 U	**2.1**	0.005 U	0.005 U	47.3	0.010 U	0.050 U	0.025 U	0.281	0.002	10.1	**0.322**	0.040 U	2.21	0.005 U	0.010 U	**59.1**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/29/00	0.200 U	0.060 U	0.010 U	**1.09**	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.056	0.003 U	10.1	-	0.040 U	1.97	0.005 U	0.010 U	**29.9**	0.010 U	0.050 U	0.050 U	0.0002 U
	4/30/01	0.200 U	0.060 U	0.010 U	**1.53**	0.005 U	0.005 U	-	0.010 U	0.050 U	0.025 U	0.153	0.001	9.69	-	0.040 U	2.07	0.005 U	0.010 U	**39.2**	0.010 U	0.050 U	0.050 U	0.0002 U
	10/25/01	0.075 U	0.05 U	0.005	0.349	0.002 U	0.005 U	-	0.01 U	0.01 U	0.017 U	0.103	0.005 U	9.49	-	0.012 U	1.86	0.005 U	0.01 U	18.4	0.001 U	0.01 U	0.055	0.0002 U
	6/2/02	0.075 U	0.05 U	0.001	0.016 U	0.002 U	0.001 U	0.5 U	0.002 U	0.01 U	0.017 U	0.04 U	0.001 U	0.5 U	0.008	0.012 U	0.5 U	0.001 U	0.001 U	**104**	0.001 U	0.01 U	0.02 U	0.0002 U
	11/24/02	0.075 U	0.001 U	0.001 U	0.016 U	0.002 U	0.005 U	0.5 U	0.01 U	0.01 U	0.046	0.048	0.001 U	0.5 U	0.005 U	0.012 U	0.633	0.001 U	0.01 U	**98**	0.001 U	0.01 U	0.032	0.0002 U
	5/18/03	0.075 U	0.05 U	0.001 U	0.016 U	0.002 U	0.001 U	0.5 U	0.002 U	0.01 U	0.017 U	0.04 U	0.001 U	0.5 U	0.011	0.012 U	0.5 U	0.001 U	0.001 U	**82.4**	0.001 U	0.01 U	0.02 U	0.0002 U
	10/25/03	0.075 U	0.001 U	0.002	0.016 U	0.002 U	0.001 U	0.636	0.002 U	0.001 U	0.017 U	0.092	0.001 U	0.5 U	0.016	0.001 U	0.5 U	0.001 U	0.001 U	**102**	0.001 U	0.001 U	0.02 U	0.0002 U
	5/14/04	0.326	0.050 U	0.002	0.016 U	0.002 U	0.001 U	0.500 U	0.002	0.010 U	0.017 U	0.15	0.001 U	0.500 U	0.006	0.012 U	0.944	0.001 U	0.010 U	**102**	0.001 U	0.010 U	0.010 U	0.0002 U
	10/31/04	0.075 U	0.05 U	0.0019	0.016 U	0.0020 U	0.0010 U	0.500 U	0.0020 U	0.010 U	0.017 U	0.0400 U	0.0016	0.500 U	0.0050 U	0.012 U	1.27	0.0010 U	0.010 U	**107**	0.0010 U	0.010 U	0.020 U	0.0002 U
	7/16/05	0.075 U	0.0010 U	0.0010 U	0.016 U	0.0020 U	0.0010 U	0.500 U	0.0020 U	0.010 U	0.017 U	0.0400 U	0.001 U	0.500 U	0.0050 U	0.012 U	1.03	0.0010 U	0.010 U	**101**	0.0010 U	0.010 U	0.020 U	0.0002 U
	11/12/05	0.075 U	0.050 U	0.0013	0.016 U	0.0020 U	0.0010 U	0.500 U	0.0020 U	0.010 U	0.065	0.0827	0.0019	0.500 U	0.0050 U	0.012 U	1.79	0.0010 U	0.010 U	**106**	0.0010 U	0.010 U	0.06	0.0002 U
	6/19/06	0.100	0.060 U	0.050 U	0.010 U	0.005 U	0.005 U	0.065 U	0.005	0.050 U	0.022 U	0.097	0.005	0.050 U	0.020 U	0.020 U	0.249 U	0.005 U	0.010 U	**93.1**	0.010 U	0.020 U	0.037	0.0002 U
	11/14/06	0.0083 U	**0.0606**[Y]	0.0037 U	0.0138 U	0.00017 J	0.0015 U	0.0152 J	0.0037 U	0.0024 U	0.0111 J	0.0113 U	0.002 U	0.0179 U	0.0075 U	0.0013 U	0.251 J	0.004 U	0.0036 U	**93.9**	0.0034 U	0.0064 U	0.0207	0.00006 U
	5/4/07	0.100 U	0.006 U	0.005 U	0.525	0.004 U	0.005 U	43.9	0.005 U	0.050 U	0.031	0.050 U	0.003	10.5	0.200	0.020 U	3.21	0.002 U	0.010 U	**35.3**	0.002 U	0.020 U	0.049	0.0002 U
	11/26/07	0.0052 U	0.0003 U	0.0024 U	0.939	0.0003 U	0.0005 U	52.7 J	0.0027 U	0.0009 U	0.0166 J	**0.59 J**	**0.0368**	11.8	0.0025 J	0.0015 J	3.22 J	0.0002 U	0.0018 U	17 J	0.0004 U	0.0042 U	0.0295	0.00006 U
	2/14/08a	-	-	-	-	-	-	-	-	-	-	-	0.005 U	-	-	-	-	-	-	-	-	-	-	-
	2/14/08b	-	-	-	-	-	-	-	-	-	-	-	0.001 U	-	-	-	-	-	-	-	-	-	-	-
	6/30/08	0.100 U	0.0008 U	0.0050 U	0.0165	0.0003 U	0.0010 U	0.644	0.0050 U	0.0500 U	0.0056	0.0500 U	0.001 U	0.218	0.0100 U	0.0200 U	2.18	0.002 U	0.0100 U	**123**	0.0007 U	0.0200 U	0.0196	0.0002 U
	6/8/09	0.0141 U	0.0003 U	0.0022 U	0.0103 J	0.0002 U	0.0003 U	0.277 J	0.0052 U	0.0005 U	0.0183 J	0.0227 J	0.0046	0.085 J	0.005 J	0.0007 U	1.7 J	0.0004 U	0.0014 U	**130 J**	0.0003 U	0.0086 U	0.0155 J	0.0002 U
	7/12/10	0.0174 UJ	0.0005 U	0.0015 U	0.002 J	0.00014 U	0.00013 U	0.021 U	0.0047 U	0.00043 U	0.0072 J	0.0247 U	0.0001 U	0.0131 U	0.0016 U	0.00056 U	1.23 J	0.0002 U	0.0028 U	**116 J**	0.0006 U	0.0049 U	0.0076 U	0.00007 U
	7/14/11	0.0081 U	0.0005 U	0.0002 U	0.44	0.00014 U	0.00048 U	48.8	0.0047 U	0.00043 U	0.0099 J	0.00011 U	0.0001 U	12.1	**0.401**	0.00056 U	3.36 J	0.0007 U	0.0028 U	**66.8**	0.0006 U	0.0183 J	0.0089 J	0.00006 UJ
	7/10/12	0.100 U	0.0008 U	0.0005 U	0.0910	0.0003 U	0.0010 U	7.28	0.0050 U	0.0500 U	0.0056	0.0500 U	0.0010 U	2.43	0.0683	0.0050 U	1.83	0.002 U	0.0100 U	**115**	0.0007 U	0.0200 U	0.0107	0.0002 U
	7/17/13	0.0061 U	0.0006 U	0.00056 J	0.496	0.00013 J	0.00015 U	37.7	0.00027 U	0.00073 U	0.0058 J	0.024 J	0.0007 U	15.6	0.179	0.0008 J	2.9 J	0.0001 U	0.00027 R	**38 J**	0.0004 U	0.0109 U	0.0039 J	0.00015 U
	9/16/14	0.0157 U	0.0026	0.00064 J	0.745	0.00022 U	0.00041 U	65.1	0.0028 U	0.0012 J	0.0329	0.013 J	0.0026	13.2	0.101	0.00036 U	2.97 J	0.0003 U	0.0039 J	**34.7**	0.0003 U	0.0042 U	0.0188 J	0.00004 U
	8/26/15	0.022 U	0.0005 U	0.001 J	0.685	0.00041 U	0.00044 U	72.9	0.0099 U	0.00080 J	0.0024 U	0.0134 J	0.0006 J	12.9	0.192	0.0008 U	8.53 J	0.0003 U	0.0025 U	**54.7**	0.0007 U	0.0051 U	0.0247 J	0.00005 U
	9/8/16	0.0166 U	0.0005 U	0.0015 J	**1.11**	0.00012 U	0.00037 U	67.6	0.0069 U	0.0015 J	0.0017 U	0.15	0.0002 U	11.9	0.17	0.00040 U	3.07 J	0.0006 U	0.0039 U	**47.2**	0.0007 U	0.0042 U	0.0153 J	0.00003 U
	6/27/17	0.2 U	0.0004 U	0.0022	**1.02**	0.00033 J	0.005 U	58.8	0.01 U	0.05 U	0.00430 J	0.292	0.0005 J	11.8	0.277	0.04 U	2.56 J	0.001 U	0.01 U	**46.4**	0.0003 U	0.05 U	0.00711 J	0.0002 U
	10/24/18	0.00463 J	0.00081 J	0.00289	0.0052	0.00012 J	0.00020 U	0.0884 J	0.001 U	0.005 U	0.001	0.102 J	0.001 U	0.07 U	0.00145	0.002 U	0.111	0.00176 J	0.00109	**145**	0.00194	0.005 U	0.01 U	0.0002 U
	11/15/19	0.00566 J	0.004 U	0.00081	0.0029	0.0005 U	0.0002 U	0.109	0.001 U	0.0005 U	0.00269	0.0266 J	0.001 U	0.07 U	0.00069 J	0.002 U	0.115	0.005 U	0.0004 U	**149**	0.0005 U	0.005 U	0.00742 J	0.0002 U
	11/6/20	0.036 J	0.05 U	0.005 U	0.01 U	0.005 U	0.005 U	0.093 J	0.01 U	0.02 U	0.006 J	0.05 U	0.01 U	0.019 J	0.01 U	0.025 U	2.5 U	0.01 U	0.007 U	**132**	0.02 U	0.01 U	0.005 J	0.0002 U
	11/5/21	0.01 U	0.004 U	0.00133	**1.199**	0.0005 U	0.0002 U	61.6	0.001 U	0.0005 U	0.00197	0.172	0.001 U	12.2	0.2235	0.002 U	2.01	0.005 U	0.0004 U	**50.7**	0.002 U	0.005 U	0.01044	0.0002 U
	9/14/22	0.038 J	0.0007 J	0.0012	**2.005**	0.0001 U	0.0001 U	73.9	0.0006 J	0.002 U	0.0103	0.021 J	0.0003 U	13.1	0.158	0.0007 J	1.98 J	0.0017 U	0.0002 U	**71.9**	0.0001 U	0.0016 U	0.0398	0.0001 J

2/14/08a = confirmation sampling to confirm 26 Nov 2007 Lead detection; sample analyzed by EPA Method E200.7 (Inductively Coupled Plasma)
2/14/08b = confirmation sampling to confirm 26 Nov 2007 Lead detection; sample analyzed by EPA Method E200.9 (Graphite Furnace Atomic Absorption)
[Y] = Result is believed to be a false positive based on laboratory quality control issues, sample matrix effects and laboratory methodology issues.
*NYS GA = standard value for groundwater considered a source of drinking water.
**NYS GA = guidance value for groundwater considered a source of drinking water.
mg/L = milligram per liter.
U = Not detected above the reported sample quantitation limit.
J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
UJ = Not detected above the reported sample quantitation limit; quantitation limit is approximate.
R - Result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

TABLE 5
Historical Water Collection System Volumes (Gallons)
Edward Allen Landfill
Corning, New York

Calendar Year														
Year / Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual	Month AVG.
2011	62,648	64,657	203,999	211,073	166,161	102,596	34,340	18,595	106,948	192,014	111,776	122,975	1,397,782	116,482
2012	147,209	87,663	119,798	50,230	128,880	66,816	18,070	69,640	49,502	77,786	105,923	87,655	1,009,172	84,098
2013	137,718	91,781	86,753	125,441	68,183	55,514	103,018	69,453	32,217	76,713	56,539	84,611	987,941	82,328
2014	133,756	68,564	71,143	149,690	128,020	70,647	61,189	87,902	86,958	48,939	58,716	86,636	1,052,160	87,680
2015	80,429	65,447	80,749	134,962	78,509	108,307	126,000	68,500	79,800	81,900	127,300	106,100	1,138,003	94,834
2016	139,700	105,400	126,700	137,500	100,800	96,900	65,300	37,800	5,500	22,000	55,000	62,370	954,970	79,581
2017	82,813	112,312	76,216	112,600	86,554	26,520	16,723	11,712	11,204	15,817	55,111	26,925	634,506	52,875
2018	58,357	42,837	66,396	94,529	87,226	27,723	84,382	104,518	122,590	142,850	108,389	123,314	1,063,111	88,593
2019	109,724	68,700	54,796	114,248	111,406	43,554	39,207	48,625	24,739	49,469	70,158	121,133	855,759	71,313
2020	98,633	93,557	106,961	118,852	101,846	32,233	22,486	13,212	6,188	30,436	23,347	74,593	722,343	60,195
2021	83,211	49,207	125,986	89,871	106,623	46,667	87,316	109,678	104,914	82,068	96,689	49,135	1,031,367	85,947
2022	62,500*	75,500*	143,000*	91,000*	65,000*	30,645	31,000*	22,411	40,484	39,000	40,540	89,620*	730,700	60,892

Notes:
Volume units are in gallons
*Volumes are estimations base on field pumping records

TABLE 6

2022 Monthly Water Collection System Volumes (Gallons) and Precipitation

Edward Allen Landfill

Corning, New York

Month (2022)	Seepage Collection Volume (gallons)	Total Precipitation (in.)
January	62,500*	1.2
February	75,500*	2.2
March	143,000*	2.4
April	91,000*	2.3
May	65,000*	1.4
June	30,645	2.6
July	31,000*	1.5
August	22,411	4.0
September	40,484	4.9
October	39,000	0.4
November	40,540	3.4
December	89,620*	2.3
Total:	730,700	28.6

Notes:

*volumes are estimates based on seepage disposal records

Monthly precipitation data are from https://www.wunderground.com/history/monthly/us/ny/big-flats/KELM/date/2022-1

APPENDIX

A

Inspection Reports, Landfill Gas Vent Air Monitoring, and Manhole Inspection Forms

HALEY & ALDRICH OF NEW YORK
200 Town Centre Drive
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Corning Edward Allen Landfill Inspection Report
January 2022 Monthly Inspection Report

20 January 2022
File No. 129773-009

On Thursday 20 January 2022, Emma Loubsky-Lonergan and Robert Lydell from Haley & Aldrich conducted the monthly inspection for the Corning Edward Allen Landfill. The following were inspected: Leachate Valve Vaults (upper and lower), Leachate Collection Trenches (manholes 3, 4, 5, and 6), and Site Security (fence and gates).

Control System:
The control system reads: Tank 1 at 28 inches, and Tank 2 at 999999 inches.

Leachate Valve Vaults:
The upper vault is wet with approximately 9 inches of water above the vault sump. The lower vault is not accessible due to Ice. See Photos 1 and 2.

Leachate Collection Trenches:
MH-3,4,5 and 6 contained water. Standing water was observed in MH-4 and 5. Sediment build up was observed in MH-3 and 6. See Photos 3-6.

Site Security:
The site perimeter gates are secure and locked. The area fence appears to be intact.

Leachate Disposal:
Dickson mobilized to the site and removed 7,000 gallons of water from Tanks 1 and 2 on January 14, 2022.

PHOTOGRAPHS:



Photo 1: Upper vault with approximately 9 inches of standing water.



Photo 2: Lower vault not accessible.



Photo 3: MH-3 water flow and sediment.



Photo 4: MH-4 standing water.



Photo 5. MH-5 standing water, frozen.



Photo 6. MH-6 water flow and sediment.

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Corning Edward Allen Landfill Inspection Report
February 2022 Monthly Inspection Report

21 February 2022
File No. 129773-009

On Monday 21 February 2022, Emma Loubsky-Lonergan and Darrin Costantini from Haley & Aldrich conducted the monthly inspection for the Corning Edward Allen Landfill. The following were inspected: Leachate Valve Vaults (upper and lower), Leachate Collection Trenches (manholes 3, 4, 5, and 6), and Site Security (fence and gates).

Control System:
The control system reads: Tank 1 at 19 inches, and Tank 2 at 19 inches.

Leachate Valve Vaults:
The upper vault is wet with approximately 7 inches of water above the vault sump. The lower vault is not accessible. See Photo 1.

Leachate Collection Trenches:
MH-3,4,5 and 6 contained water. Sediment build up was observed in MH-4 and 6. Bioaccumulation was observed in MH-3 and 4. See Photos 2-5.

Site Security:
The site perimeter gates are secure and locked. The area fence appears to be intact.

Leachate Disposal:
Dickson mobilized to the site and removed 7,000 gallons of water from Tanks 1 and 2 on February 21, 2022.

PHOTOGRAPHS:

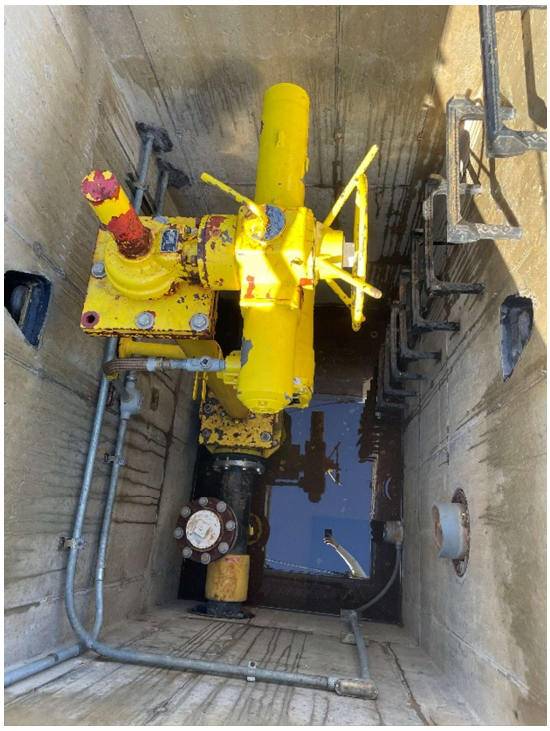


Photo 1: Upper vault with approximately 7 inches of standing water.

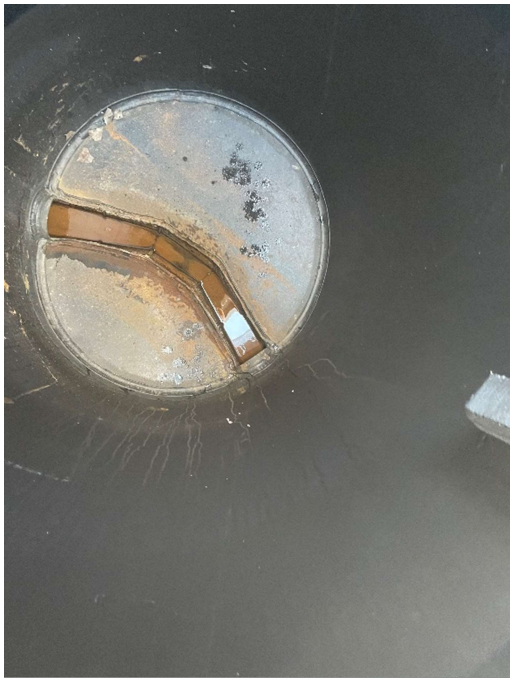


Photo 2: MH-3 water flow and sediment.

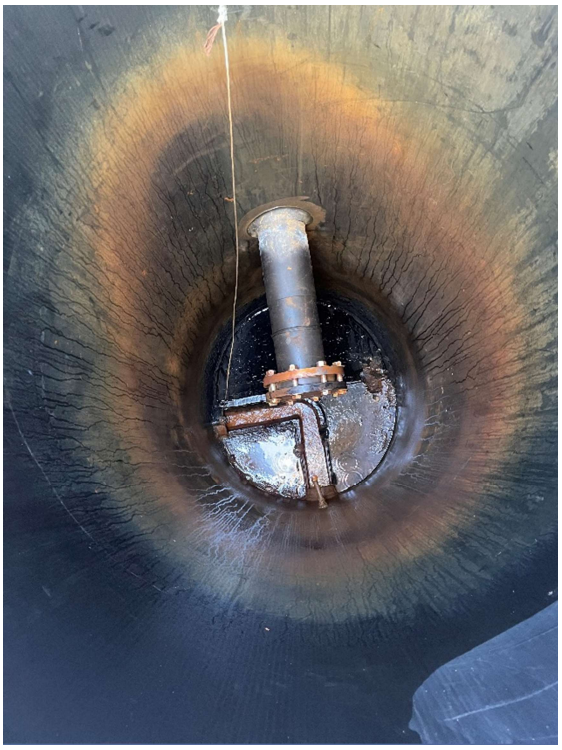


Photo 4: MH-5 water flow



Photo 5. MH-4 water flow and sediment.

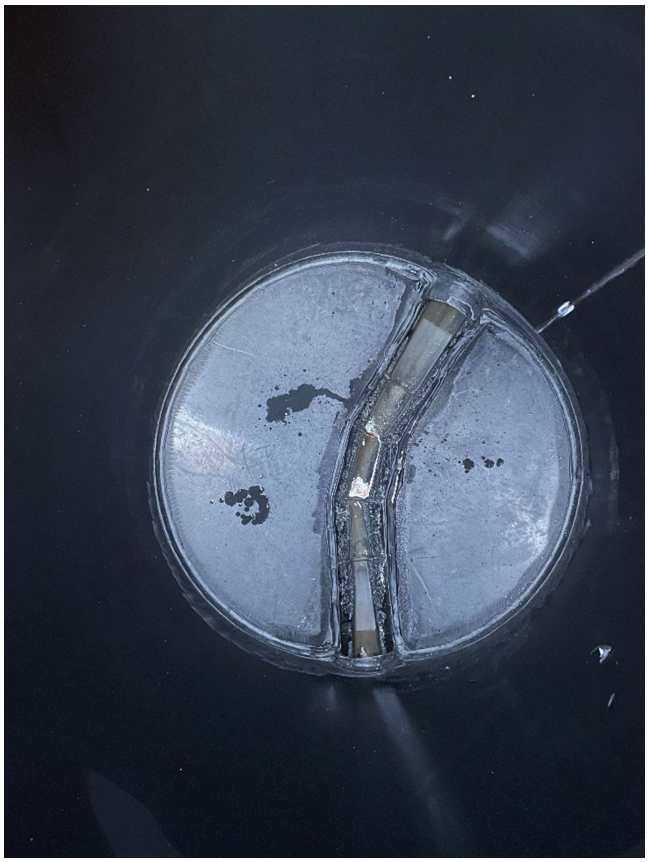


Photo 6. MH-6 water flow and sediment.

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Corning Edward Allen Landfill Inspection Report
March 2022 Quarterly Inspection Report

23 March 2022
File No. 0129773-009

On Wednesday March 23, 2022 Emma Loubsky-Lonergan and Santa McKenna from Haley & Aldrich conducted the quarterly inspection for the Corning Edward Allen Landfill. The following were inspected: Low Permeability Cover, Underground Storage Tank System (Tank 1 and Tank 2), all 13 Leachate Collection Trenches, Leachate Valve Vaults (upper and lower), and Site Security (fence and gates). Landfill controls were observed to be in place and effective at the time of the inspection.

Low Permeability Cover:
The landfill cap shows no new erosion and appears to be in good condition.

Underground Storage Tank System:
The tanks and control system appear to be functioning correctly. The tank sensors read Tank 1 at 7 inches and Tank 2 at 45 inches. The tanks were also manually measured to verify the accuracy of the digital system.

Leachate Collection Trenches:
MH-1, 2, 3, 4, 5, 6, 7, 9, 10, and 12 contained flowing water. MH-8, 11, and 13 were dry. An accumulation of biomaterial was observed in five of the manholes, MH-1, 2, 3, 8, 9, and 10. An accumulation of sediment was observed in five of the manholes, MH-3, 4, 6, 7, and 13.

Leachate Valve Vaults:
All valves and pipes appear to be functioning as designed. The upper vault is wet with approximately 10 inches of water above the vault sump. The lower vault was inaccessible.

Site Security:
The site perimeter fencing and all access gates are secure and locked.

Site Drainage:
The stormwater drainage ditch adjacent to Bailey Creek Road is clear and water flow is unimpeded.

Groundwater Monitoring Wells:
All monitoring wells within the perimeter fence and visible adjacent to the landfill appear to be in acceptable condition. All wells are inspected during the annual groundwater sampling event.

Landfill Gas Vents:
All vents appear to be in acceptable condition and still standing.

PHOTOGRAPHS:



Photo 1: Accumulation of sediment in MH-13.



Photo 2: landfill cap in good condition.



Photo 4: Site outfall flowing and is free of obstruction.



Photo 5: Off-site outfall flowing and unobstructed.

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Corning Edward Allen Landfill Inspection Report
April 2022 Monthly Inspection Report

14 April 2022
File No. 129773-011

On Thursday 14 April 2022, Emma Loubsky-Lonergan and Robert Lydell from Haley & Aldrich conducted the monthly inspection for the Corning Edward Allen Landfill. The following were inspected: Leachate Valve Vaults (upper and lower), Leachate Collection Trenches (manholes 3, 4, 5, and 6), and Site Security (fence and gates).

Control System:
The control system reads: Tank 1 at 4 inches, and Tank 2 at 35 inches.

Leachate Valve Vaults:
The upper vault was wet with approximately 12 inches of water above the vault sump. The lower vault is not accessible. While on site, Haley & Aldrich pumped the upper vault dry. See Photos 1-2.

Leachate Collection Trenches:
MH-3,4,5 and 6 contained water. Sediment build up was observed in MH-4 and 6. Bioaccumulation was observed in MH-3. See Photos 3-6.

Site Security:
The site perimeter gates are secure and locked. The area fence appears to be intact.

Leachate Disposal:
Dickson mobilized to the site and removed 7,000 gallons of water from Tanks 1 and 2 on April 14, 2022.

PHOTOGRAPHS:

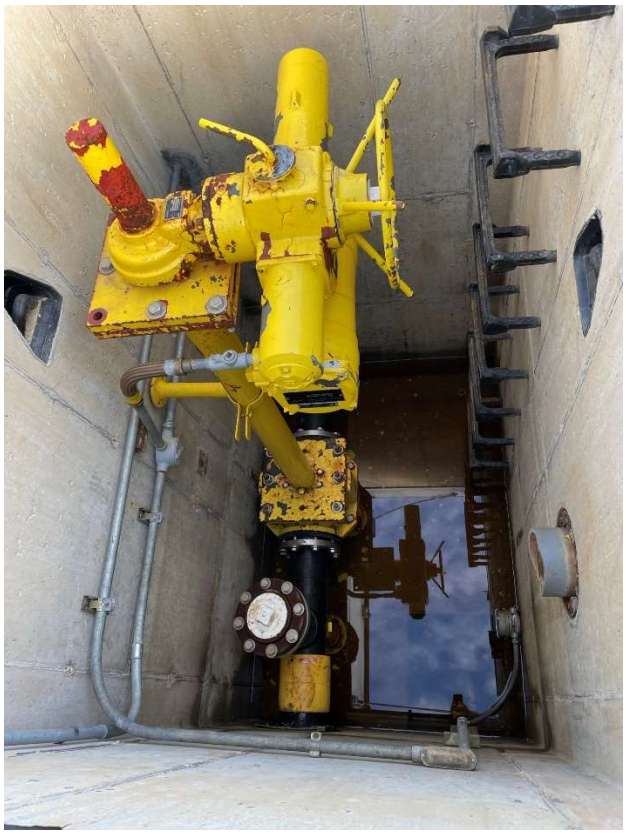


Photo 1: Upper vault with approximately 12 inches of standing water.



Photo 2: Upper vault with no standing water.



Photo 3: MH-3 water flow and sediment.



Photo 4: MH-4 water flow



Photo 5. MH-5 water flow and sediment.



Photo 6. MH-6 water flow and sediment.

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Corning Edward Allen Landfill Inspection Report
May 2022 Monthly Inspection Report

13 May 2022
File No. 129773-011

On Friday 13 May 2022, Kim Bartlett and Robert Lydell from Haley & Aldrich conducted the monthly inspection for the Corning Edward Allen Landfill with Corning representatives and WSP. The following were inspected: Leachate Valve Vaults (upper and lower), Leachate Collection Trenches (manholes 3, 4, 5, and 6), and Site Security (fence and gates).

Control System:
The control system reads: Tank 1 at 3 inches, and Tank 2 at 44 inches.

Leachate Valve Vaults:
The upper vault was dry with approximately 2 inches of water in the vault sump. The lower vault is not accessible. See Photo 1.

Leachate Collection Trenches:
MH-3,4 and 5 contained water. Sediment-build up was observed in MH-3,4 and 5. MH-6 was dry. See Photos 2-5.

Site Security:
The site perimeter gates are secure and locked. The area fence appears to be intact.

Leachate Disposal:
Dickson mobilized to the site and removed 7,000 gallons of water from Tanks 1 and 2 on May 13, 2022.

PHOTOGRAPHS:

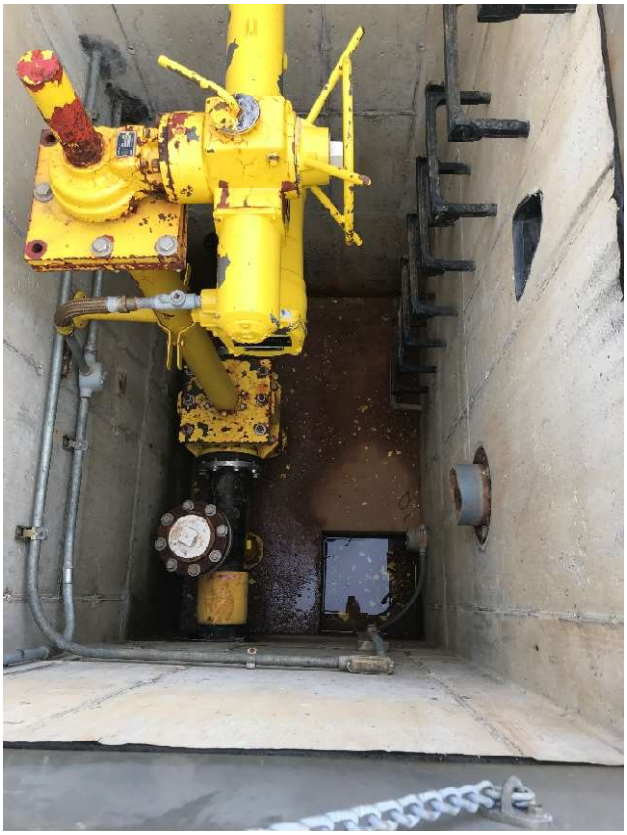


Photo 1: Upper vault with approximately 2 inches of water in the vault sump.



Photo 2: MH-3 water flow and sediment.



Photo 3: MH-4 water flow and sediment.



Photo 4. MH-5 water flow and sediment.



Photo 5. MH-6 dry.

B2101342.006

July 08, 2022

Corning Edward Allen Landfill
2nd Quarter Inspection Report

On Wednesday June 22, 2022, Andy Senefelder and Mark Saunders from WSP conducted the quarterly inspection for the Corning Edward Allen Landfill (EAL). Prior to starting the inspection, WSP performed on onsite safety brief discussing the onsite hazards. As part of the quarterly inspection the following items were checked; site security, control systems, leachate vaults, leachate load out system, leachate control trenches, landfill gas vents, site E&S features, and groundwater monitoring wells. Photographs of the quarterly inspection can be found in the Attachment A.

Site Security: Front gate latch requires lubrication. Perimeter gate padlock keys will need to be located or padlocks replaced. Multiple "No Trespassing" signs were missing along the western roadway fence with heavy vegetation observed near the entrance gates. WSP was tasked with getting a quote to install new siding, a new roof, and new door for the onsite shed and schedule removal of old fencing and debris during annual ground water sampling event.

Control System: Tank 1 water level was observed at 24 inches and Tank 2 water level was observed at 29 inches. WSP personnel was unable to test both alarms control systems due to system malfunctions. Currently working on the repair.

Leachate Vaults: The upper vault was observed to be in good condition and dry. The lower vault was not inspected due to a broken handle that will need to be replace. WSP to replace "Confined Space" and tank identification signs and add locks to both vaults once the lower vault handle is repaired.

Leachate Load Out System: The western leachate load out system valve handle is broken and in need of replacement. The load out hoses/valves were left connected to the load out system. Air vents appeared to be clear and unobstructed. Secondary containment cart was present onsite, and the disposal records were present and current.

Leachate Control Trenches: Low to no leachate flow was observed in the manholes. Sediment noted in leachate control manholes MH-1, MH-6, and MH-13 and slight sheen was observed in leachate control manholes MH-9 & MH-10.

Landfill Gas Vents: Three landfill gas vents were slightly bent, no other issues observed by WSP personnel.

Site E&S Features: The stormwater drainage ditch adjacent to Bailey Creek Road and offsite culvert pipe had a low flow of water and animal barrows were identified approximately 15 feet east of MH-7 and approximately 25 feet northeast of MH-12. An unmarked culvert pipe was observed approximately 20 feet northwest of MH-3.

Groundwater Monitoring Wells: All wells observed to be in good condition. WSP personnel were unable to access MW-15 or MW-14 well clusters due to Right of Way (ROW) access restrictions and a felled tree across the ROW. The felled tree will need to be removed prior to abandonment activities for MW-14D.

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PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
1	6/22/2022

Broken load out valve located near the load out system



Photo No.	**Date**
2	6/22/2022

Culvert Pipe



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
3	6/22/2022

Electric Meter



Photo No.	**Date**
4	6/22/2022

Load out station



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
5	6/22/2022

MH-1



Photo No.	**Date**
6	6/22/2022

MH-2



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
7	6/22/2022

MH-3



Photo No.	**Date**
8	6/22/2022

MH-4



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
9	6/22/2022

MH-5



Photo No.	**Date**
10	6/22/2022

MH-6



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
11	6/22/2022

MH-7



Photo No.	**Date**
12	6/22/2022

MH-8



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
13	6/22/2022

MH-9

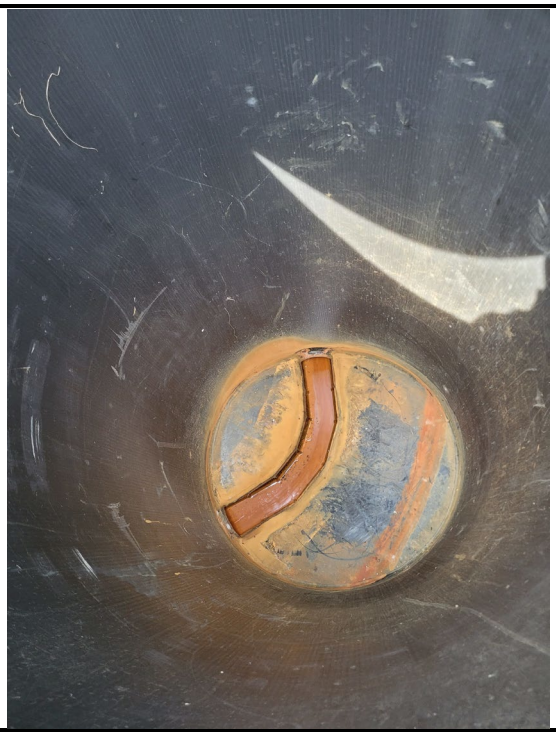


Photo No.	**Date**
14	6/22/2022

MH-10



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
15	6/22/2022

MH-11



Photo No.	**Date**
16	6/22/2022

MH-12



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
17	6/22/2022

MH-13



Photo No.	**Date**
18	6/22/2022

Old manhole cover and other onsite debris to be removed



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
19	6/22/2022

Perimeter fence with vegetation



Photo No.	**Date**
20	6/22/2022

Access road with posted sign and felled tree.



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **PRR SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
21	6/22/2022

Unknown culvert pipe by MH-2



Photo No.	**Date**
22	6/22/2022

Shed with vaults 1 & 2



B2101342.006.3L

July 21, 2022

Corning Edward Allen Landfill July Monthly Inspection Report

On Thursday July 21, 2022, Andy Senefelder and Will Dolan from WSP conducted the monthly inspection for the Corning Edward Allen Landfill. Following filling out a JSA began conducting inspection of; site security, control systems, leachate vaults, leachate load out system, leachate control trenches, landfill gas vents, site E&S features, and groundwater monitoring wells. Photographs are attached to this form below.

Site Security: Front gates latch will need to be lubricated and all hinges are missing their respected hair pin clips. Padlock keys will need to be located or the 6 perimeter gate padlocks will need to be replaced. Signage was missing along roadway fence and will be replaced with signage every 50ft per O&M manual. Heavy vegetation near the entrance gates. The perimeter fence was observed to be intact and culvert drainage had no flow.

Control System: Control system panel read tank 1 water level at 22 inches and tank 2 water level was at 53 inches. WSP personnel were unable to test both alarms control systems. Fire extinguisher does not have a pressure gauge or inspection records and will need to be replaced with an ABC fire extinguisher. Control shed, first aid, and fire extinguisher signs need to be added and affixed to the exterior of the control shed.

Leachate Vaults: Upper vault observed to be in good condition and approximately 2 inches of water in the sump pit. Lower vault broken handle needs will need to be replace. WSP personnel were unable to open the lower vault to observe water level in addition to assessing condition of the interior. WSP was instructed to replace warning signs and add locks to the vaults as follows:

- Vault 1 & 2 - 6 confine space, 6 no smoking, use secondary containment, and 4 leachate tank signs will need to be added and affixed to their respected post.

Leachate Load Out System: Leachate load out system tank handle broken, load out hoses/valves were left connected to load out system. Air vents were clear and unobstructed. Secondary containment cart was present onsite. Disposal records were present and current. Upper leachate tanks manhole covers missing handles.

Leachate Control Trenches: Low to no leachate flow, sediment observed in leachate control manholes MH-3 to MH-6. Slight sheen observed in MH-3.

Landfill Gas Vents: No issues observed by WSP personnel.

Site E&S Features: Standing water observed in stormwater trench. Unmarked culvert pipe observed by WSP personnel near MH-3. Random scat and animal bones observed near the perimeter fence.

Groundwater Monitoring Wells: WSP personnel were unable to access MW-14 due to access road blocked by felled tree and barbed wire across access road.

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PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
1	7/21/2022

MH-3



Photo No.	**Date**
2	7/21/2022

MH-4



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
3	7/21/2022

MH-5



Photo No.	**Date**
4	7/21/2022

MH-6



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
5	7/21/2022

Electric Meter

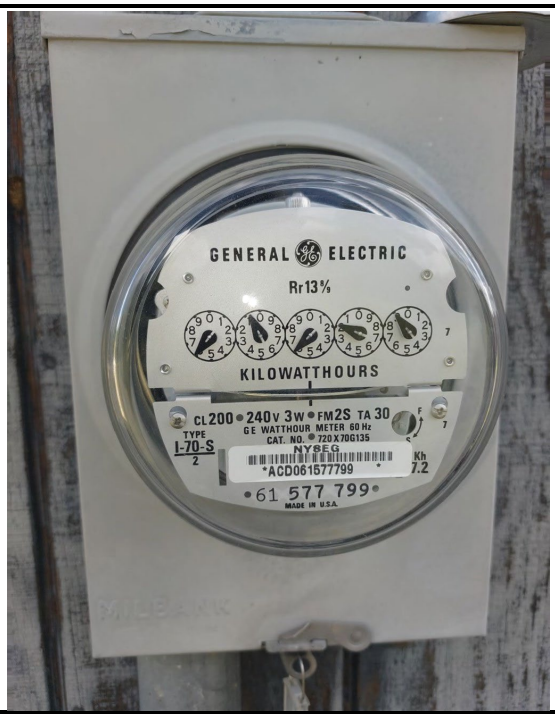


Photo No.	**Date**
6	7/21/2022

Vault 1



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
7	7/21/2022

Vault 2



Photo No.	**Date**
8	7/21/2022

Upper leachate tanks



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
9	7/21/2022

Lower leachate tanks. The orange capped tank on the lower right is labeled 1 and the blue capped tank on the lower left is labeled 2



Photo No.	**Date**
10	7/21/2022

Culvert pipe.



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
11	7/21/2022

Main gate hinges.



Photo No.	**Date**
12	7/21/2022

Right of way blocked by fallen tree, construction equipment, and barbed wire



B2101342.006.3L

August 19, 2022

Closed Edward Allen Landfill
August Monthly Inspection Report

On Friday August 19, 2022, Andy Senefelder and Will Dolan from WSP USA Inc. (WSP) conducted the monthly inspection for the Closed Edward Allen Landfill. Following the Job Safety Analysis, WSP began conducting an inspection of the following: site security, control systems, leachate vaults, leachate load out system, leachate control trenches, landfill gas vents, site Environmental and Safety (E&S) features, and groundwater monitoring wells. Photographs were taken and are attached to this report.

Site Security: Front gate latch will need to be lubricated and all hinges are missing their hair pin clips. The six perimeter gate padlocks will need to be replaced with new locks. Signage was missing along roadway fence and will be replaced with signage every 50 feet per the Operations and Maintenance (O&M) manual. The perimeter fence was observed to be intact and culvert drainage had no flow.

Control System: Control system panel indicated the tank 1 water level was at 30 inches and tank 2 water level was at 7 inches. WSP used the dipstick onsite to verify the tank 1 water level which was 36 inches. WSP did not verify the tank 2 water level. WSP personnel were unable to test both alarm control systems. Fire extinguisher was replaced with an ABC fire extinguisher. Control shed, first aid, and fire extinguisher signs need to be added and affixed to the exterior of the control shed.

Leachate Vaults: Upper vault observed to be in good condition and approximately 2 inches of water in the sump. Lower vault broken handle needs will need to be replaced. WSP personnel were able to open the lower vault and observed 18 inches of water in the sump, no other issues were observed. WSP was instructed to replace warning signs and add locks to the vaults as follows:

- Signs for vaults 1 and 2 (confined space, no smoking, use secondary containment), and 4 leachate tank signs will need to be added and affixed to their respected posts.

Leachate Load Out System: Leachate load out system tank handle is held in open position during load out by a bungie cord. The load out hoses/valves were left connected to load out system. Air vents were clear and unobstructed. Secondary containment cart was present onsite. Disposal records were present and current. Upper leachate tanks manhole covers are missing handles.

Leachate Control Trenches: Low to no leachate flow observed in leachate control manholes MH-3 to MH-6. Thick silver sheen observed on the leachate in MH-5.

Landfill Gas Vents: No issues observed.

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PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Site E&S Features: Standing water observed in the stormwater trench. Unmarked culvert pipe observed by WSP personnel near MH-3. Random scat and animal bones observed near the perimeter fence. One animal burrow observed in-between MH-5 and MH-6

Groundwater Monitoring Wells: Observed wells were found to be in good condition. WSP personnel were unable to access MW-14.

PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
1	8/19/2022

MH-3



Photo No.	**Date**
2	8/19/2022

MH-4



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
3	8/19/2022

MH-5



Photo No.	**Date**
4	8/19/2022

MH-6



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
5	8/19/2022

Electric Meter



Photo No.	**Date**
6	8/19/2022

Vault 1



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
7	8/19/2022

Vault 2



Photo No.	**Date**
10	8/19/2022

Culvert pipe.



B2101342.006

September 26, 2022

Closed Edward Allen Landfill
3rd Quarter Inspection Report

On Monday September 26, 2022, Will Dolan and Josh Hamelin from WSP USA Inc. (WSP) conducted the quarterly inspection for the Closed Edward Allen Landfill (EAL). Prior to starting the inspection, WSP performed on onsite safety brief discussing the onsite hazards and filled out a Job Safety Analysis (JSA). As part of the quarterly inspection the following items were checked: site security, control systems, leachate vaults, leachate load out system, leachate control trenches, landfill gas vents, site Environmental and Safety (E&S) features, and groundwater monitoring wells. Photographs of the quarterly inspection were taken and are attached to this report.

Site Security: Front gate latch will need to be lubricated and all hinges are missing their respected hair pin clips. The 6 perimeter gate padlocks will need to be replaced with new locks. Signage was missing along roadway fence and will be replaced with signage every 50 feet per the Operations and Maintenance (O&M) manual. The perimeter fence was observed to be intact and culvert drainage had moderate flow.

Control System: Tank 1 water level was observed at 49 inches and Tank 2 water level was observed at 5 inches. WSP personnel were unable to test both alarm control systems.

Leachate Vaults: The upper vault was observed to be in good condition and 8 inches of water was observed in the sump. The upper vault was observed to be in good condition and 18 inches of water was observed in the sump. WSP to replace "Confined Space" and tank identification signs and add locks to both vaults once the lower vault handle is repaired.

Leachate Load Out System: The western leachate load out system valve handle is broken and in need of replacement. The load out hoses/valves were left connected to the load out system. Air vents appeared to be clear and unobstructed. Secondary containment cart was present onsite, and the disposal records were present and current.

Leachate Control Trenches: moderate to no leachate flow was observed in the manholes. Sediment was noted in leachate control manholes MH-1 and MH-13 and a slight sheen was observed in leachate control manholes MH-1, MH-2 and MH-9.

Landfill Gas Vents: No new issues were observed.

Site E&S Features: Standing water was observed in stormwater trench. An unmarked culvert pipe observed by WSP personnel near MH-3. Random scat and animal bones were observed near the perimeter fence.

Groundwater Monitoring Wells: All wells were observed to be in good condition. New locks will be added to wells that have broken or missing locks.

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PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
1	9/26/2022

Load out station and air vents



Photo No.	**Date**
2	9/26/2022

Culvert Pipe



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
3	9/26/2022

Electric Meter



Photo No.	**Date**
4	9/26/2022

Upper Vault



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
18	9/26/2022

Lower Vault



Photo No.	**Date**
5	9/26/2022

MH-1



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
6	9/26/2022

MH-2



Photo No.	**Date**
7	9/26/2022

MH-3



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
8	9/26/2022

MH-4



Photo No.	**Date**
9	9/26/2022

MH-5



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
10	9/26/2022

MH-6



Photo No.	**Date**
11	9/26/2022

MH-7



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
12	9/26/2022

MH-8



Photo No.	**Date**
13	9/26/2022

MH-9



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
14	9/26/2022

MH-10

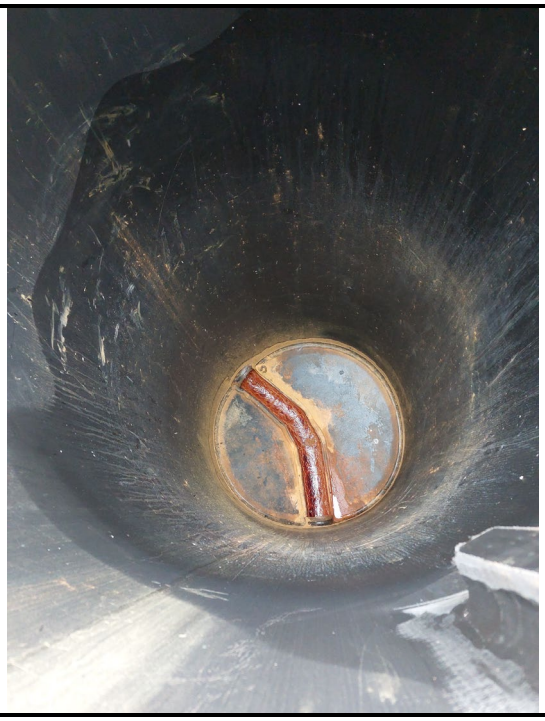


Photo No.	**Date**
15	9/26/2022

MH-11



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
16	9/26/2022

MH-12



Photo No.	**Date**
17	9/26/2022

MH-13



B2101342.006.3L

October 24, 2022

Closed Edward Allen Landfill
August Monthly Inspection Report

On Monday October 24, 2022, Will Dolan and Josh Hamelin from WSP USA Inc. (WSP) conducted the monthly inspection for the closed Edward Allen Landfill. Following the Job Safety Analysis, WSP began conducting an inspection of the following: site security, control systems, leachate vaults, leachate load out system, leachate control trenches, landfill gas vents, site Environmental and Safety (E&S) features, and groundwater monitoring wells. Photographs were taken and are attached to this report.

Site Security: Front gate latch will need to be lubricated and all hinges are missing their hair pin clips. The six perimeter gate padlocks will need to be replaced with new locks. New padlocks are currently on ordered and will be installed when they arrive. Signage was missing along roadway fence and will be replaced with signage every 50 feet per the Operations and Maintenance (O&M) manual. The perimeter fence was observed to be intact and culvert drainage had slight water flow. Signage along the northern perimeter fence line has been replaced with new signage.

Control System: Control system panel indicated the tank 1 water level was at 20 inches and tank 2 water level was at 5 inches. WSP personnel were unable to test both alarm control systems. Fire extinguisher and first aid signage installed on the outside of the control shed.

Leachate Vaults: Upper vault observed to be in good condition and approximately 6 inches of water in the sump. Lower vault broken handle needs will need to be replaced. WSP personnel were able to open the lower vault and observed 18 inches of water in the sump, no other issues were observed. WSP replaced confined space and flammable gas warnings signs on leachate upper and lower vaults.

Leachate Load Out System: Leachate load out system tank handle is held in open position during load out by a bungie cord. The load out hoses/valves were left connected to load out system. Air vents were clear and unobstructed. Secondary containment cart was present onsite. Disposal records were present and current. Upper leachate tanks manhole covers are missing handles.

Leachate Control Trenches: Low to no leachate flow observed in leachate control manholes MH-3 to MH-6. slight silver sheen observed on the leachate in MH-4 & MH-5. MH-5 had pooled leached inside the manhole.

Landfill Gas Vents: No issues observed.

Site E&S Features: Standing water observed in the stormwater trench. Unmarked culvert pipe observed by WSP personnel near MH-3. Random scat and animal bones observed near the perimeter fence and on landfill cover. Animal barrow observed near MH-10 on the inside slope of the landfill cover was filled by Critter Chick and WSP.

Groundwater Monitoring Wells: Observed wells were found to be in good condition.

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PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
1	10/24/2022

MH-3



Photo No.	**Date**
2	10/24/2022

MH-4



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
3	10/24/2022

MH-5



Photo No.	**Date**
4	10/24/2022

MH-6



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
5	10/24/2022

Electric Meter



Photo No.	**Date**
6	10/24/2022

Vault 1



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
7	10/24/2022

Vault 2



Photo No.	**Date**
8	10/24/2022

Culvert Pipe



B2101342.006.3L

December 06, 2022

Closed Edward Allen Landfill
August Monthly Inspection Report

On Tuesday November 22, 2022, Will Dolan and Josh Hamelin from WSP USA Inc. (WSP) conducted the monthly inspection for the closed Edward Allen Landfill. Following the Job Safety Analysis, WSP began conducting an inspection of the following: site security, control systems, leachate vaults, leachate load out system, leachate control trenches, landfill gas vents, site Environmental and Safety (E&S) features, and groundwater monitoring wells. Photographs were taken and are attached to this report.

Site Security: Front gate latch will need to be lubricated and all hinges are missing their hair pin clips. The six perimeter gate padlocks have been replaced with new padlocks. Perimeter fence-line signage has been replaced every 50 feet per the Operations and Maintenance (O&M) manual. The perimeter fence along the roadway had a basketball-sized hole in the fence and culvert drainage had moderate water flow. Miscellaneous trash was removed from around the roadway fence line.

Control System: Control system panel indicated the tank 1 water level was at 20 inches and tank 2 water level was at 5 inches. WSP personnel were unable to test both alarm control systems. Fire extinguisher and first aid signage were installed to the left of the control shed door.

Leachate Vaults: Upper vault observed to be in good condition and approximately 6 inches of water in the sump. Lower vault broken handle needs will need to be replaced (the replacement is in-process). WSP personnel were able to open the lower vault and observed 24 inches of water in the sump, no other issues were observed. WSP purged the water in both vaults using the onsite electric pump and purged the water into the leachate tanks via the access port.

Leachate Load Out System: Leachate load out system tank handles were replaced with a new style connector. The load out hoses were left disconnected from the load out system. Air vents were clear and unobstructed. Secondary containment cart was present onsite. Disposal records were present and current. Upper leachate tanks manhole covers are missing handles.

Leachate Control Trenches: moderate to no leachate flow observed in leachate control manholes MH-3 to MH-6.

Landfill Gas Vents: No issues observed.

Site E&S Features: Ice and a small amount of water was observed in the stormwater trench. Random scat, animal tracks, and animal bones observed near the perimeter fence and on landfill cover.

Groundwater Monitoring Wells: Observed wells were found to be in good condition.

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PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
1	11/22/2022

MH-3



Photo No.	**Date**
2	11/22/2022

MH-4



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
3	11/22/2022

MH-5



Photo No.	**Date**
4	11/22/2022

MH-6



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
5	11/22/2022

Electric Meter



Photo No.	**Date**
6	11/22/2022

Vault 1



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
7	11/22/2022

Vault 2



Photo No.	**Date**
8	11/22/2022

Culvert Pipe



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **MONTHLY SITE INSPECTION**	**B2101342.006.3L**

Photo No.	**Date**
9	11/22/2022

Loadout point



B2101342.006

December 14, 2022

Closed Edward Allen Landfill
4th Quarter Inspection Report

On Wednesday December 14, 2022, Will Dolan and Josh Hamelin from WSP USA Inc. (WSP) conducted the quarterly inspection for the Closed Edward Allen Landfill (EAL). Prior to starting the inspection, WSP performed on onsite safety brief discussing the onsite hazards and filled out a Job Safety Analysis (JSA). As part of the quarterly inspection the following items were checked: site security, control systems, leachate vaults, leachate load out system, leachate control trenches, landfill gas vents, site Environmental and Safety (E&S) features, and groundwater monitoring wells. Photographs of the quarterly inspection were taken and are attached to this report.

Site Security: Front gate latch lock was present and secured on arrival. The 6 perimeter gate padlocks were present and secured. Signage around the loadout point and perimeter fence line had no issues observed. The perimeter fence had no new issues observed and culvert drainage had moderate flow.

Control System: Tank 1 water level was observed at 28 inches and Tank 2 water level was observed at 11 inches. WSP personnel were unable to test both alarm control systems while onsite. Weather station was observed to be in working order and collecting data points.

Leachate Vaults: The upper vault was observed to be in good condition and less than 6 inches of water was observed in the sump. WSP was unable to open the lower vault. All signage around the loadout point were observed to be in good condition

Leachate Load Out System: The load out hoses/valves were disconnected from the load out system upon arrival. The tank vents appeared to be clear and unobstructed. Secondary containment cart was present onsite, and the disposal records were present and current.

Leachate Control Trenches: Manhole MH-1 could not be opened. Moderate to no leachate flow was observed in the remaining manholes. Sediment was noted in leachate control manholes MH-2, MH-6, MH-9, MH-12 and MH-13 and a slight sheen was observed in leachate control manhole MH-2.

Landfill Gas Vents: No new issues were observed.

Site E&S Features: Standing water was observed in stormwater trench which observed to be mostly frozen over. Random scat and animal bones were observed near the perimeter fence.

Groundwater Monitoring Wells: All wells were observed to be in good condition.

WSP USA
209 NORTH MAIN STREET
SUITE 3
HORSEHEADS, NY 14845

Tel.: +1 607 367-1327
Fax: +1 716 204-5878
wsp.com

PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
1	12/14/2022

Load out station and secondary containment



Photo No.	**Date**
2	12/14/2022

Culvert Pipe



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
3	12/14/2022

Electric Meter

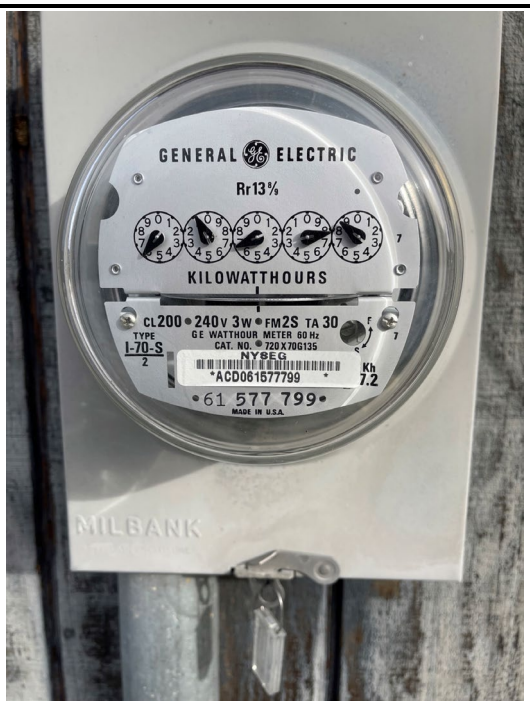


Photo No.	**Date**
4	12/14/2022

Upper Vault



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
5	12/14/2022

Tank Vents



Photo No.	**Date**
6	12/14/2022

MH-2



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
7	12/14/2022

MH-3



Photo No.	**Date**
8	12/14/2022

MH-4



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

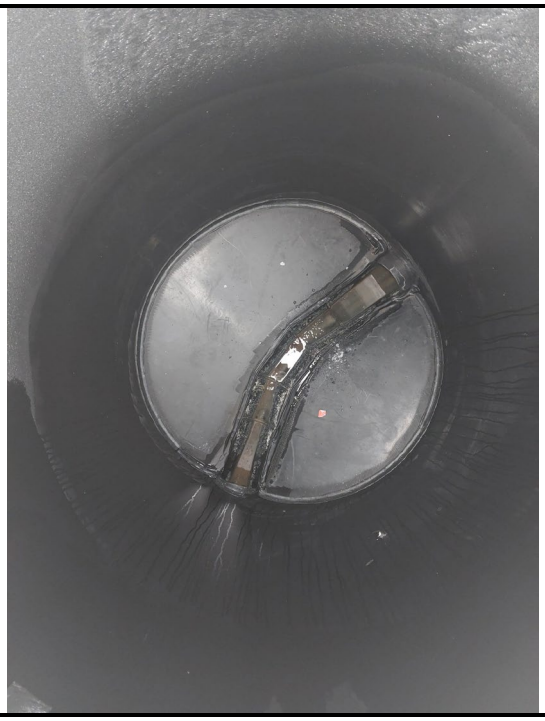
Photo No.	**Date**
9	12/14/2022

MH-5



Photo No.	**Date**
10	12/14/2022

MH-6



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

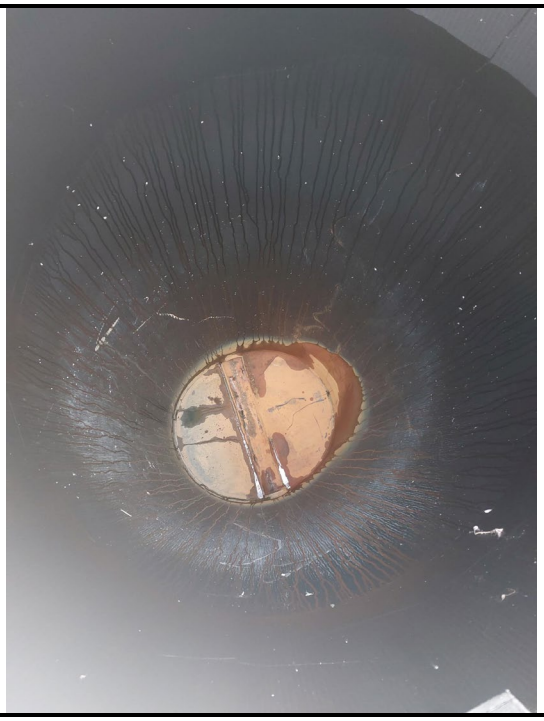
Photo No.	**Date**
11	12/14/2022

MH-7



Photo No.	**Date**
12	12/14/2022

MH-8



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

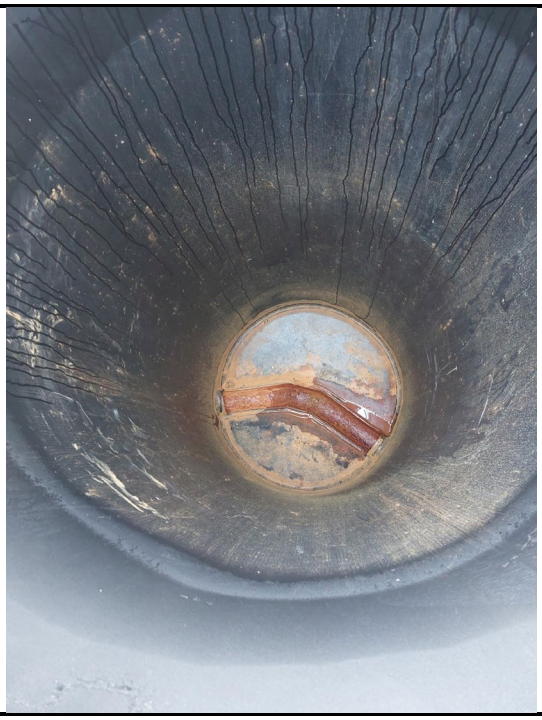
Photo No.	**Date**
13	12/14/2022

MH-9



Photo No.	**Date**
14	12/14/2022

MH-10



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
15	12/14/2022

MH-11



Photo No.	**Date**
16	12/14/2022

MH-12



PHOTOGRAPHIC LOG		
2022 SITE MANAGEMENT PLAN	**EDWARD ALLEN LANDFILL** **QUARTERLY SITE INSPECTION**	**B2101342.006**

Photo No.	**Date**
17	12/14/2022

MH-13



EAL LGV Field Readings

Date: 9/12/2022

Vent Number	PID(ppm)	LEL(%)
1	0.0	Over 99%
2	0.0	0
3	0.0	0
4	0.0	83
5	0.0	Over 99%
6	0.0	Over 99%
7	0.8	Over 99%
8	0.0	Over 99%
9	0.6	Over 99%
10	0.2	0
11	0.0	0
12	0.0	0
13	0.0	9
14	0.1	21
15	0.3	Over 99%
16	0.2	Over 99%
17	0.2	Over 99%
18	0.0	0
19	0.8	Over 99%
20	0.4	Over 99%
21	0.0	0
22	0.1	Over 99%
23	0.2	Over 99%
24	0.0	33

APPENDIX

B

Field Data Summary and Groundwater Sampling Logs

Monitoring Well Evaluations
Edward Allen Landfill
Corning, New York
September 12- 2022

Dry =

Monitoring Point	MW Name	Elevation Riser Pipe	Depth to Water(ft)	Water Elevation
OBG-1S		1581.58	8.64	1572.94
OBG-1D		1581.46		1581.46
OBG-2S		1575.06	6.49	1568.57
OBG-2D		1575.06	13.88	1561.18
OBG-3S		1535.81	8.97	1526.84
OBG-3D		1534.62	8.78	1525.84
OBG-4S	MW-4S	1527.03	2.72	1524.31
OBG-4D	MW-4D	1527.11	8.92	1518.19
OBG-5S		1535.22	4.15	1531.07
OBG-5I		1535.14	4.64	1530.5
OBG-5D		1534.73	39.41	1495.32
OBG-6S		1547.82	7.22	1540.6
OBG-6D		1547.5	44.88	1502.62
OBG-7S	MW-7S	1543.65	3.00	1540.65
OBG-7D	MW-7D	1543.08	17.47	1525.61
OBG-8S		1574.13		1574.13
OBG-8D		1575.05	11.55	1563.5
RWM-10S	RWM-10S	1520.33	8.20	1512.13
OBG-10D	MW-10D	1519.04	39.01	1480.03
OBG-11S	MW-11S	1503.81	39.34	1464.47
OBG-11D	MW-11D	1503.41	41.98	1461.43
OBG-12S	MW-12S	1474.05	25.72	1448.33
OBG-12D	MW-12D	1471.96	36.37	1435.59
OBG-13S	MW-13S	1530.17	4.04	1526.13
OBG-13D	MW-13D	1529.85	17.68	1512.17
OBG-14S	MW-14S	1616.54	18.75	1597.79
OBG-14D	MW-14D	1616.04	173.89	1442.15
OBG-15S	MW-15S	1620.79	21.16	1599.63
OBG-15D	MW-15D	1621.28	22.58	1598.7
OBG-15I	MW-15I	1621.29		1621.29
P-8		1557.65		1557.65
P-9		1554.18	21.23	1532.95
P-10		1561.46	13.5	1547.96
P-11		1571.43	25.78	1545.65

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning NY
Project Number:
MONITORING WELL ID: MW-45
Depth to Water Prior to Purging [ft-bmp]: 1.97
Well Casing Diameter [in]: 2"
Start Time (purging): 1539
Purging Device: Waterra
Pump intake setting: 17'
Well Screen Interval: 8-18
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 14.87

Meter/Type/Serial #: Horiba U-52 44530
Meter Calibrated @: 1415
pH Calibration Check Measurment/Time*:
Sampling Date/Time: 1609 9/13/22
Sampler(s): T Gamble
Sampling Device: bladder
Sampling Purge Rate: 150 ml/min
Sample Characteristics: clear
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters:

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1545	17.80	6.60	0.653	11.0	5.80	-21	4.10	1	200	lowered purge rate
1552	17.25	6.46	0.668	2.2	0.19	-8	5.51	2	150	
1558	17.03	6.44	0.666	1.6	0.13	-3	5.83			
16.06	17.43	6.40	0.667	0.0	0.11	5	6.07			

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: Corning - EAL
Location: Corning, NY
Project Number: WO # ~~MW-42~~ MW-4D
MONITORING WELL ID:
Depth to Water Prior to Purging [ft-bmp]: 8.29
Well Casing Diameter [in]: 4
Start Time (purging): 1546
Purging Device: Bladder
Pump intake setting: 50'
Well Screen Interval: ~~40.5 - 110.5~~ 40.0 - 60.0
As-Built Construction Well Depth [ft-bmp]: unk
Sounded Well Depth [ft-bmp]: 61.3

Meter/Type/Serial #: Horiba U-52
Meter Calibrated @:
pH Calibration Check Measurment/Time*: —
Sampling Date/Time: 1637 · 9/13/22
Sampler(s): Will Dolan
Sampling Device: Bladder pump
Sampling Purge Rate: 200 ml/min
Sample Characteristics: cloudy, brown-reddish, odorless, ~~no~~ WD
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1546	16.98	7.16	0.596	408	0.11	57	8.29	0	200	
1551	12.32	7.04	0.646	176	0.00	52	8.26	1	200	
1556	13.00	7.02	0.642	174	0.00	51	8.32	2	200	
1601	12.24	7.00	0.670	160	0.00	53	8.48	3	200	
1606	12.62	6.98	0.675	205	0.00	55	8.50	4	200	
1611	12.99	6.92	0.689	162	0.00	60	8.54	5	200	
1616	12.86	6.88	0.699	156	0.00	63	8.61	6	200	
1621	12.49	6.76	0.714	188	0.00	72	8.74	7	200	
1626	12.36	6.72	0.716	236	0.00	75	8.79	~~7.5~~	~~200~~ 100	
1631	12.09	6.59	0.729	239	0.00	84	8.85	8	100	
1636	12.03	6.53	0.738	220	0.00	87	8.90	8.5	100	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning, NY
Project Number:
MONITORING WELL ID: MW-4D
Depth to Water Prior to Purging [ft-bmp]: 8.39
Well Casing Diameter [in]: 4
Start Time (purging): 1536
Purging Device: Bladder
Pump intake setting: 50'
Well Screen Interval: 40-60
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 62.3

Meter/Type/Serial #: Horiba U-52
Meter Calibrated @: 1000
pH Calibration Check Measurment/Time*: N/A
Sampling Date/Time: 10/24/22 & [redacted] 1715
Sampler(s): W. Dolan & J. Hamelin
Sampling Device: Bladder pump
Sampling Purge Rate: 100 ml/min
Sample Characteristics: Cloudy, Reddish brown, odorless,
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: ~~At-To~~ WS metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1641	17.51	7.05	0.655	56.5	0.78	155	9.38	0	100	
1646	14.48	7.05	0.723	124	1.03	127	9.73	500	100	
1651	13.06	7.01	0.744	92.8	0.07	88	9.99	1	106	
1656	13.15	7.00	0.741	85.3	0.00	94	9.95	1.5	100	
1701	13.25	7.00	0.742	87.0	0.00	98	10.02	2	100	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

1x filtered and 1x unfiltered sample collected

Signature: [signature]

NJ Cert: 03027

Site

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning
Project Number:
MONITORING WELL ID: MW-7S
Depth to Water Prior to Purging [ft-bmp]: 2.75
Well Casing Diameter [in]: 2
Start Time (purging): 1514
Purging Device: bladder
Pump intake setting: 10'
Well Screen Interval: 5-15
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 16.86

Meter/Type/Serial #: Horiba U-52 44530
Meter Calibrated @: 0900
pH Calibration Check Measurment/Time*: 3.99 @ 1400
Sampling Date/Time: 1555 9/14/22
Sampler(s): TL
Sampling Device: bladder
Sampling Purge Rate: 100
Sample Characteristics: clear, colorless, aq
PID Measurement of Well Headspace (ppm):
Analytical Parameters: VOC, Metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1514	19.49	6.31	0.927	490	0.70	162	3.85	0.25	200	
1520	16.84	6.45	0.892	48.1	0.00	126	5.33	1.50	150	lowered purge rate
1525	15.62	6.51	0.878	35.3	0.00	99	5.71	2.5	100	reduced purge rate
1532	16.88	6.50	0.906	10.7	0.00	85	5.31	3.5	100	
1538	16.74	6.50	0.896	4.4	0.00	79	5.50	4.5	100	
1544	16.36	6.50	0.892	0.0	0.00	76	5.59	5.20	100	
1551	16.08	6.51	0.895	0.0	0.00	70	5.70	6.0	100	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

RB taken here

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: Corning - EAL
Location: Corning, NY
Project Number:
MONITORING WELL ID: MW-71
Depth to Water Prior to Purging [ft-bmp]: 16.90
Well Casing Diameter [in]: 4
Start Time (purging): 1522
Purging Device: Bladder
Pump intake setting: 30.0'
Well Screen Interval: 24.5-34.5
As-Built Construction Well Depth [ft-bmp]: unk
Sounded Well Depth [ft-bmp]: 36.48

Meter/Type/Serial #: Horiba U-52 # 16297
Meter Calibrated @: 0900
pH Calibration Check Measurment/Time*: 1330 @ nd 4.09 pH
Sampling Date/Time: 9/14/22 @ 1551
Sampler(s): W. Dolan
Sampling Device: Bladder pump
Sampling Purge Rate: 100 ml/min
Sample Characteristics: clear, colorless odor less
PID Measurement of Well Headspace (ppm): 0
Analytical Parameters: metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1522	21.02	6.51	0.652	0.0	2.93	15	16.90	0	200	
1527	18.05	6.72	0.698	0.0	7.38	4	17.68	2	200	1 l/min Purged
1532	17.69	6.66	0.700	0.0	5.45	7	18.60	3	200	
1537	18.88	6.61	0.697	0.0	4.68	10	18.84	3	200	
1542	19.05	6.61	0.703	0.0	4.44	10	18.90	4	200	
1547	19.08	6.63	0.704	0.0	4.09	9	18.98	4.5	100	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: Corning - EAL
Location: Corning NY
Project Number:
MONITORING WELL ID: MW-105
Depth to Water Prior to Purging [ft-bmp]: 7.39
Well Casing Diameter [in]: 2
Start Time (purging): 1610
Purging Device: Bladder pump
Pump intake setting: 13-14
Well Screen Interval: 5-15
As-Built Construction Well Depth [ft-bmp]: unk
Sounded Well Depth [ft-bmp]: 20.50

Meter/Type/Serial #: Horiba U-52 16927
Meter Calibrated @: 0800
pH Calibration Check Measurment/Time*: —
Sampling Date/Time: 9/15/22 @ 1708
Sampler(s): W. Dolan
Sampling Device: Bladder pump
Sampling Purge Rate: 100
Sample Characteristics: cloudy, brownish color, odorless
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1610	15.27	6.77	0.385	00	0.68	180	8.61	1	200	
1615	1629	6.76	0.390	0.0	0.20	177	8.96	1.5	100	
1620	15.74	6.76	0.399	859	0.00	174	9.56	2	100	
1625	15.59	6.76	0.397	1000	0.00	172	9.86	2.5	100	
1630	15.56	6.76	0.394	915	0.00	171	10.23	3	100	
1635	15.54	6.76	0.384	606	0.00	169	10.81	3.5	100	
1640	15.55	6.74	0.373	454	0.00	170	11.06	4	100	
1645	15.62	6.74	0.362	324	0.00	172	11.16	4.5	100	
1650	15.66	6.73	0.354	247	0.35	176	11.34	5	100	
1655	15.42	6.72	0.348	128	1.37	186	11.51	5.5	100	
1700	15.29	6.70	0.344	87.5	1.78	189	11.71	6	100	
1705	15.34	6.70	0.340	72.50	2.08	192	11.81	6.5	100	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.
Due to water level approaching top of Bladder pump
Sample was collected

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: Corning - EAL
Location: Corning, NY
Project Number:
MONITORING WELL ID: MW-10S
Depth to Water Prior to Purging [ft-bmp]: 10.26
Well Casing Diameter [in]: 2
Start Time (purging): 0955
Purging Device: Bladder Pump
Pump intake setting: 20 ft
Well Screen Interval: 5 - 15
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 20.12

Meter/Type/Serial #: Horiba U-52
Meter Calibrated @: 0920
pH Calibration Check Measurment/Time*: —
Sampling Date/Time: 10/25/22 @ 1040
Sampler(s): W. Bolan & J Hagelin
Sampling Device: Bladder Pump
Sampling Purge Rate: ~~100~~ 50
Sample Characteristics: Cloudy, Slight Brownish Hint, Odorless
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: Metals

Weather Conditions:

Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate ~~[L/min]~~ [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
09:55	15.89	6.43	0.370	515	1.70	305	10.95	0	~~100~~ 50	Slight Cloudy; Brownish Hint
10:00	15.90	6.69	0.351	468	0.68	279	10.98	.250	50	Cloudy; Slight Brownish Hint
10:05	15.86	6.73	0.345	217	0.45	263	11.10	.50	60	Cloudy; Slight Brown Hint
10:10	15.77	6.74	0.341	253	0.45	253	11.12	.75	50	"
10:15	15.74	6.75	0.337	140	0.65	243	11.21	1	50	"
10:20	15.74	6.75	0.334	114	0.82	237	11.26	1.25	50	"
10:25	15.75	6.75	0.331	96.0	0.97	231	11.36	1.50	50	"
10:30	15.72	6.75	0.329	92.9	0.92	227	11.44	1.75	50	"
10:35	15.72	6.74	0.326	89.0	0.89	223	11.56	2	50	"

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

1x filtered and 1x unfiltered sample collected

Signature: WB

NJ Cert: 03027

Version 1.0, June 2018

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning NY
Project Number:
MONITORING WELL ID: MW-10D
Depth to Water Prior to Purging [ft-bmp]: 39.15
Well Casing Diameter [in]: 2"
Start Time (purging): 1406
Purging Device: bladder
Pump intake setting: 52
Well Screen Interval: 48.5-58.5
As-Built Construction Well Depth [ft-bmp]: 113.36
Sounded Well Depth [ft-bmp]: 113.28

Meter/Type/Serial #: Horiba U-52 44530
Meter Calibrated @: 1415
pH Calibration Check Measurment/Time*:
Sampling Date/Time: 1438 1/13/22
Sampler(s): T Gamble
Sampling Device: bladder
Sampling Purge Rate: 300 ml/m
Sample Characteristics: clear
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: Metals ~~VOA~~

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or ~~[mS/cm]~~	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1410	21.55	6.89	0.664	5.4	4.08	158	39.67	.75	300	
1415	14.99	7.53	0.591	0.004	38.6	-115	39.98	1.50	300	
1419	13.51	7.61	0.580	878	0.00	-73		2.75		
1423	13.25	7.67	0.583	7.0	0.00	-114	40.05	4.25		
1428	13.45	7.68	0.585	6.5	0.00	-119	40.05			
1433	13.73	7.68	0.585	6.0	0.00	-129		5.25		

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning NY
Project Number:
MONITORING WELL ID: MW-115
Depth to Water Prior to Purging [ft-bmp]: 35.38
Well Casing Diameter [in]: 2"
Start Time (purging): 0926
Purging Device: bladder
Pump intake setting: 67'
Well Screen Interval: 62.1 - 72.1
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 75.25

Meter/Type/Serial #: Horiba
Meter Calibrated @: 0915
pH Calibration Check Measurment/Time*: 08 15
Sampling Date/Time: 0950 9/15/22
Sampler(s): FC
Sampling Device: bladder
Sampling Purge Rate: 150
Sample Characteristics: dk, oy, odor
PID Measurement of Well Headspace (ppm):
Analytical Parameters: Metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
0852	11.21	9.84	0.355	57.5	10.27	104	39.69	.2	200	tubing replaced, air leak
0857	10.69	10.11	0.384	55.4	9.82	73	41.37	1.5	200	lowered purge rate
0903	9.47	10.49	0.353	48.1	7.93	4	42.49	3	~~150~~ 150	
0910	10.44	10.44	0.350	42.2	7.59	-7	43.09	4	150	
0917	10.75	10.49	0.342	38.8	7.32	-16	43.40	4.75	150	
0924	11.04	10.48	0.335	32.4	6.78	-23	43.47	5.50	150	
0931	11.48	10.48	0.324	28.8	6.46	-27	43.49	6.5	150	
0938	11.72	10.45	0.325	26.9	6.48	-29	43.49	7.25	150	
0946	11.90	10.40	0.326	25.8	6.52	-30	43.49	8	150	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: Corning - EAL
Location: Corning, NY
Project Number:
MONITORING WELL ID: MW-11D
Depth to Water Prior to Purging [ft-bmp]: 41.57
Well Casing Diameter [in]: 2
Start Time (purging): 0854
Purging Device: Bladder
Pump intake setting: 85
Well Screen Interval: 76-96
As-Built Construction Well Depth [ft-bmp]: unk
Sounded Well Depth [ft-bmp]: 98.92

Meter/Type/Serial #: Horiba U-52 H16297
Meter Calibrated @: 0800
pH Calibration Check Measurment/Time*: —
Sampling Date/Time: 9/15/22 @ 0956
Sampler(s): Will Dolan
Sampling Device: Bladder pump
Sampling Purge Rate: 200
Sample Characteristics: cloudy, colorless, odorless
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: Metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
0854	14.66	9.10	0.473	12.4	6.76	-130	41.57	0	200	
0859	12.48	11.47	0.447	14.2	5.23	-257	42.43	1	200	
0904	11.31	11.55	0.457	23.5	4.69	-260	42.88	2	200	
0909	11.29	11.57	0.441	17.2	4.49	-261	43.12	3	200	
0914	11.14	11.56	0.413	16.9	4.36	-261	43.29	4	200	
0919	11.25	11.34	0.338	15.2	4.14	-249	43.38	5	200	
0924	11.25	10.08	0.244	13.7	2.81	-182	43.55	6	200	
0929	11.09	8.55	0.320	11.8	1.00	-99	43.76	7	200	
0934	11.08	8.09	0.384	10.7	0.20	-75	43.85	8	200	
0939	11.09	8.000	0.411	10.1	0.09	-70	43.91	9	200	
0944	11.09	7.91	0.431	8.9	0.00	-65	43.98	10	200	
0949	10.96	7.87	0.442	8.4	0.00	-62	44.08	11	200	
0954	10.93	7.84	0.452	7.4	0.00	-61	44.12	12	200	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: Corning - EAL
Location: Corning, NY
Project Number:
MONITORING WELL ID: MW-129
Depth to Water Prior to Purging [ft-bmp]: 25.75
Well Casing Diameter [in]: 2
Start Time (purging): 0926
Purging Device: Bladder
Pump intake setting: 32'
Well Screen Interval: 32-42'
As-Built Construction Well Depth [ft-bmp]: mk
Sounded Well Depth [ft-bmp]: 38.58

Meter/Type/Serial #: Horiba U-52 16297
Meter Calibrated @: 0900
pH Calibration Check Measurment/Time*:
Sampling Date/Time: 0952 @ WD 9/13/22
Sampler(s): Will Dolan
Sampling Device: Bladder
Sampling Purge Rate: 100 ml/min
Sample Characteristics: clear, colorless, odorless
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: Metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
0926	11.93	6.28	0.468	0.0	1.76	27	25.75	0	100	
0931	10.52	7.18	0.443	0.0	0.65	-21	26.79	~~0.5~~	100	
0936	10.85	7.30	0.441	0.0	0.41	-28	27.39	1 WD	100	
0941	11.84	7.38	0.430	0.0	0.29	-32	27.59	1.5	100	
0946	12.28	7.43	0.428	0.0	0.36	-35	27.64	2	100	
0951	12.06	7.52	0.433	0.0	0.55	-40	27.99	2.5	100	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

Version 1.0, June 2018

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning NY
Project Number:
MONITORING WELL ID: MW-121
Depth to Water Prior to Purging [ft-bmp]: 35.73
Well Casing Diameter [in]: 2"
Start Time (purging): 0916
Purging Device: Bladder
Pump intake setting: 115'
Well Screen Interval: 105.5 - 145.5'
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: ~~105.5 - 145.5'~~

Meter/Type/Serial #: Horiba U-52 44530
Meter Calibrated @: 0900
pH Calibration Check Measurment/Time*:
Sampling Date/Time: 1004 9/14/22
Sampler(s): TF
Sampling Device: bladder
Sampling Purge Rate: 150
Sample Characteristics: Ag, clear, colorless, sulfur odor
PID Measurement of Well Headspace (ppm):
Analytical Parameters:

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or ~~[mS/cm]~~	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
0930	14.73	5.97	0.562	2.6	1.74	-52	~~0.01~~ 36.10	0.1	~~350~~	increased flow rate
0938	12.93	6.84	0.504	1.4	0.00	-143	36.15	1	100	
0943	11.50	7.37	0.484	1.3	0.00	-202	36.16	2	150	
0948	11.28	7.41	0.490	0.3	0.00	-210	36.18	4	150	
0954	11.15	7.41	0.491	0.0	0.00	-213	36.18	5		
1000	11.04	7.40	0.492	0.0	0.00	-213				

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning NY
Project Number:
MONITORING WELL ID: MW-134
Depth to Water Prior to Purging [ft-bmp]: 3.90
Well Casing Diameter [in]: 2"
Start Time (purging): 1057
Purging Device: bladder
Pump intake setting: 10'
Well Screen Interval: 3.7-13.7
As-Built Construction Well Depth [ft-bmp]: 15.66
Sounded Well Depth [ft-bmp]: 15.38

Meter/Type/Serial #: Horiba U-52 4/4530
Meter Calibrated @: 0900
pH Calibration Check Measurment/Time*:
Sampling Date/Time: 1145 9/14/22
Sampler(s): TG
Sampling Device: bladder
Sampling Purge Rate: 100 ml/min
Sample Characteristics: clr
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters:

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH* [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1057	12.59	6.44	0.331	4.4	0.00	-97	4.78	0.25	175	
1058	13.99	6.15	0.153	5.8	0.00	4	4.98	1.5	100	lowered purge rate
1106	13.98	6.19	0.152	2.2	0.00	-9	5.01	2.5	100	
1114	14.17	6.22	0.151	0.0	0.00	-24	4.94	3	100	
1122	14.63	6.21	0.152	0.0	0.00	-25	4.78	4	100	
1130	15.00	6.22	0.152	0.0	0.00	-25	4.78	5	100	
1138	15.50	6.21	0.153	0.0	0.00	-23	4.78	6	100	sun shining on Horiba, low volume purge, Craig Anderson called agreed temp due to sun

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: Corning - EAL
Location: Corning, NY
Project Number:
MONITORING WELL ID: MW-13D
Depth to Water Prior to Purging [ft-bmp]: 17.56
Well Casing Diameter [in]: 2
Start Time (purging): 1056
Purging Device: Bladder pump
Pump intake setting: 24-26
Well Screen Interval: 18-28
As-Built Construction Well Depth [ft-bmp]: 30.15
Sounded Well Depth [ft-bmp]: 30.20

Meter/Type/Serial #: Horiba U-52 16297
Meter Calibrated @: 0900
pH Calibration Check Measurment/Time*: —
Sampling Date/Time:
Sampler(s): W. Dolan
Sampling Device: 9/14/22 @ Bladder pump
Sampling Purge Rate: 100 ml/min
Sample Characteristics: Clear, colorless, odorless, reaction with HCL + Nitric acid
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: Metals, MSD, MS

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1056	13.46	12.29	2.13	30.3	8.66	-298	17.56	0	100	
1101	13.60	12.45	2.17	13.8	7.19	-307	18.38	0.5	100	
1106	13.67	12.49	2.18	10.6	7.41	-309	18.59	1	100	
1111	13.47	12.50	2.23	10.3	7.55	-309	19.45	1.5	100	
1116	14.09	12.50	2.25	2.1	6.33	-310	19.59	2	100	
1121	14.87	12.47	2.27	0.8	6.48	-309	19.59	2.5	100	
1126	15.81	12.45	2.25	5.3	6.13	-309	19.86	3	100	
1131	16.06	12.45	2.25	0.0	6.83	-309	20.04	3.5	100	
1136	16.13	12.46	2.24	0.0	6.85	-310	20.23	4	100	
1141	15.83	12.48	2.21	1.1	6.68	-310	20.53	4.5	100	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

MW-13D MS/MSD taken here

Signature:

NJ Cert: 03027

Version 1.0, June 2018

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: Corning-EAL
Location: Corning, NY
Project Number:
MONITORING WELL ID: 145
Depth to Water Prior to Purging [ft-bmp]: 18.78
Well Casing Diameter [in]: 2
Start Time (purging): 1417
Purging Device: Bladder pump
Pump intake setting: 23-24
Well Screen Interval:
As-Built Construction Well Depth [ft-bmp]: MK
Sounded Well Depth [ft-bmp]: 24.73

Meter/Type/Serial #: Horiba U-52 16297
Meter Calibrated @: 0800
pH Calibration Check Measurment/Time*: —
Sampling Date/Time: 9/15/22 @ 1530
Sampler(s): W. Dolan
Sampling Device: Bladder pump
Sampling Purge Rate: 25 ml/min
Sample Characteristics: clear, colorless, odorless
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: metals

Weather Conditions:

Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1427	15.21	7.21	0.265	6.1	2.00	148	19.34	1	50	
1437	13.97	6.51	0.273	4.4	0.88	99	19.49	1.5	25	
1447	13.80	6.39	0.266	2.5	0.76	105	19.68	2	25	
1457	13.56	6.33	0.259	2.1	0.73	122	19.90	2.5	25	
1507	13.48	6.29	0.254	1.7	0.75	138	20.14	3	25	
1517	13.45	6.27	0.252	1.1	0.79	147	20.36	3.5	25	
1527	13.52	6.26	0.252	1.2	0.83	147	20.54	4	25	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: Corning - EAL
Location: Corning, NY
Project Number:
MONITORING WELL ID: MW-155
Depth to Water Prior to Purging [ft-bmp]: 20.26
Well Casing Diameter [in]: 2
Start Time (purging): 1125
Purging Device: Bladder Pump
Pump intake setting: ~50
Well Screen Interval: 47-57
As-Built Construction Well Depth [ft-bmp]: unk
Sounded Well Depth [ft-bmp]: 58.66

Meter/Type/Serial #: Horiba U-52 16297
Meter Calibrated @: 0800
pH Calibration Check Measurment/Time*: —
Sampling Date/Time: 9/15/22 @ 1219
Sampler(s): W. Dolan
Sampling Device: Bladder Pump
Sampling Purge Rate: 100
Sample Characteristics: clear, colorless, odorless
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1125	11.57	11.67	0.531	14.9	7.38	-6	20.26	0	200	
1130	10.51	11.82	0.516	5.9	4.10	-7	23.04	1	200	
1135	10.56	11.77	0.590	4.2	3.97	-6	23.78	1.5	100	
1140	10.57	11.76	0.586	4.6	3.96	-6	24.23	2	100	
1145	10.96	11.75	0.569	3.1	3.39	-5	24.35	2.25	50	
1155	11.34	11.75	0.566	3.3	4.79	-6	24.95	3.25	100	
1200	10.62	11.77	0.558	4.2	4.21	-5	26.32	3.75	100	
1205	10.53	11.76	0.554	4.0	4.74	-5	27.31	4.25	100	
1210	10.54	11.76	0.552	3.7	4.32	-5	28.41	4.75	100	
1215	10.55	11.76	0.549	4.2	4.53	-4	29.30	5.25	100	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

Version 1.0, June 2018

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning NY
Project Number:
MONITORING WELL ID: MW-151
Depth to Water Prior to Purging [ft-bmp]: 21.55
Well Casing Diameter [in]:
Start Time (purging): 1127
Purging Device: bladder
Pump intake setting: 10'
Well Screen Interval: 63-83
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 84.85

Meter/Type/Serial #: Horiba U-52 44530
Meter Calibrated @: 0815
pH Calibration Check Measurment/Time*:
Sampling Date/Time: 1240 9/15/22
Sampler(s): T Lamb
Sampling Device: bladder
Sampling Purge Rate: 175 ml/min
Sample Characteristics: cloudy
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters:

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1133	10.39	8.33	0.329	45.1	2.01	-137	22.78	0.5	100	
1138	9.67	7.61	0.455	45.7	0.00	-189	24.15	1.5	200	
1143	10.61	7.53	0.476	34.4	0.00	-189	24.11	2.00	100	
1148	10.64	7.46	0.488	39.5	0.00	-190	24.06	2.50	200	
1155	9.68	7.40	0.491	40.1	0.00	-196	26.58	4	200	
1200	9.32	7.36	0.499	39.2	0.00	-200	27.80	5	100	lowered purge rate
1209	9.44	7.32	0.503	32.5	0.00	-195	27.87	6	125	
1215	9.74	7.25	0.501	23.7	0.00	-193	28.15	7	100	lowered purge rate, seems to wander
1224	10.16	7.23	0.506	23.0	0.00	-189	27.10	7.5	75	
1230	10.13	7.20	0.505	21.8	0.00	-182	27.95	8.5	175	
1237	10.00	7.17	0.509	22.6	0.00	-182	28.00	9.5	175	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning NY
Project Number:
MONITORING WELL ID: MW-151D
Depth to Water Prior to Purging [ft-bmp]: 101.15
Well Casing Diameter [in]: 2"
Start Time (purging): 1358
Purging Device: ~~Hubble~~ bailer
Pump intake setting: 101'
Well Screen Interval: 182-212.5
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 215

Meter/Type/Serial #: Horiba U-52 44570
Meter Calibrated @: 0815
pH Calibration Check Measurment/Time*: 3.99 @ 1300
Sampling Date/Time: 1450 9/15/22
Sampler(s): TB
Sampling Device: bailer
Sampling Purge Rate: -
Sample Characteristics: cloudy
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters:

Weather Conditions:

Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
	9.90	9.10	0.741	38.7	0.00	-153				
	10.53	11.56	1.16	72.5	6.22	-106				
1423	10.82	11.24	0.816	140	7.37	-97		9	9	
1427	9.73	11.64	1.11	97.8	4.93	-98				
	10.00	11.67	0.649	222	8.52	-74		12		
1437	9.84	11.56	1.09	177	8.34	-75		15		
	9.95	11.48	0.99	171	8.07	-70		21		
1441	9.56	11.31	1.03	168	5.01	-69		24		
										Dry

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning, NY
Project Number:
MONITORING WELL ID: MW-15D
Depth to Water Prior to Purging [ft-bmp]: 99.74
Well Casing Diameter [in]: 2"
Start Time (purging): 1245
Purging Device: Bailer
Pump intake setting: —
Well Screen Interval: 182-212.5
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 215

Meter/Type/Serial #: Horiba U-52 44570
Meter Calibrated @: 1000
pH Calibration Check Measurment/Time*: N/A
Sampling Date/Time: 10/24/2022 [redacted] 1445
Sampler(s): W. Dean BJ. Hamelin
Sampling Device: Bailer
Sampling Purge Rate: —
Sample Characteristics: slightly cloudy, colorless, odorless
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: Metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1305	14.50	11.66	1.05	133.3	7.29	25	98.69	3		Clear
1320	12.99	10.84	.869	27.6	.32	-15	98.91	3		Clear
1336	11.85	9.74	.910	21.2	.37	-26	99.11	3		Clear
1345	14.78	10.84	.857	46.7	2.40	12	99.49	3		Clear
1350	15.03	9.70	.519	32.7	2.30	14	99.65	3		Clear
1405	12.35	11.37	.930	40.1	2.46	17	99.23	3		
1420	11.88	11.31	0.920	36.0	1.71	-8	99.46	3		
1430	11.83	11.25	0.911	53.2	1.60	-14	99.58	3		
1435	11.15	11.25	0.920	89.5	2.34	-17	99.67	3		

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

1x filtered and 1x unfiltered sample collected

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: Corning - EAL
Location: Corning, NY
Project Number: 2047 RW
MONITORING WELL ID: ~~2046 Bailey Creek Rd RW~~ WS
Depth to Water Prior to Purging [ft-bmp]: mk
Well Casing Diameter [in]: 6
Start Time (purging): 1346
Purging Device: residential well pump
Pump intake setting: mk
Well Screen Interval: —
As-Built Construction Well Depth [ft-bmp]: mk
Sounded Well Depth [ft-bmp]: —

Meter/Type/Serial #: Horiba U-52 #16297
Meter Calibrated @: 0900
pH Calibration Check Measurment/Time*: —
Sampling Date/Time: W. Dolan 9/13/22 @ 1412
Sampler(s): ↓
Sampling Device: outside spigot
Sampling Purge Rate: ~2 gals/min
Sample Characteristics: clear, colorless, odorless
PID Measurement of Well Headspace (ppm): 0.0
Analytical Parameters: metals

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1346	22.61	7.74	0.837	0.0	3.55	-53	—	—	—	
1349	12.28	7.41	0.828	0.0	3.14	-36	—	—	—	
1352	15.53	7.34	0.843	0.0	3.49	-30	—	—	—	
1355	14.40	7.27	0.843	0.0	5.80	-26	—	—	—	
1358	13.66	7.21	0.834	0.0	3.27	-23	—	—	—	
1401	13.16	7.15	0.821	0.0	6.48	-20	—	—	—	
1404	12.65	7.12	0.827	0.0	3.94	-18	—	—	—	
1407	12.59	7.19	0.825	0.0	3.74	-17	—	—	—	
1410	12.33	7.05	0.814	0.0	3.24	-15	—	—	—	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site: EAL
Location: Corning NY
Project Number:
MONITORING WELL ID: 2084RW
Depth to Water Prior to Purging [ft-bmp]: —
Well Casing Diameter [in]: 6
Start Time (purging): 1332
Purging Device: Residential Well Pump
Pump intake setting: unk
Well Screen Interval: 5 mins
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: —

Meter/Type/Serial #: Horiba U-5000 #44530
Meter Calibrated @: 1320
pH Calibration Check Measurment/Time*: 3.99 @ 1300
Sampling Date/Time: 9/12/22 @ 1348
Sampler(s): T Gamble
Sampling Device: spigot
Sampling Purge Rate: 3 gal/min
Sample Characteristics: clear, colorless, odorless
PID Measurement of Well Headspace (ppm): —
Analytical Parameters:

Weather Conditions:
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or (mS/cm)	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1332	17.75	6.91	0.470	0.5	8.46	-99	—	—	—	
1335	12.42	6.92	0.470	7.3	8.64	-104	—	—	—	
1338	12.59	6.97	0.478	3.4	9.50	-110	—	—	—	
1341	12.71	7.11	0.482	2.1	1.27	-121	—	—	—	
1344	12.58	7.12	0.490	7.7	0.06	-111	—	—	—	
1347	12.75	7.21	0.495	7.3	0.00	-106	—	—	—	

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

GOLDER

Site

Location: rear outdoor spigot

Project Number:

MONITORING WELL ID: RW 2094

Depth to Water Prior to Purging [ft-bmp]:

Well Casing Diameter [in]: 6

Start Time (purging): 1135

Purging Device: outdoor spigot

Pump intake setting: N/A

Well Screen Interval: N/A

As-Built Construction Well Depth [ft-bmp]: unk

Sounded Well Depth [ft-bmp]: unk

Meter/Type/Serial #: Horiba - U52

Meter Calibrated @: 0920

pH Calibration Check Measurment/Time*: N/A

Sampling Date/Time: 10/25/22 1210

Sampler(s): W&D plan

Sampling Device: outdoor spigot

Sampling Purge Rate: 1gl/min

Sample Characteristics: clear, colorless, odorless

PID Measurement of Well Headspace (ppm): 0ppm

Analytical Parameters: metals

Weather Conditions:

Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance [S/m] or ~~[mS/cm]~~	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate ~~[ml/min]~~ gl [gl/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1138	17.33	7.94	1.26	24.7	2.05	-56			↑	
1141	12.52	8.05	1.26	4.7	2.18	-86				
1144	13.10	8.02	1.27	0.0	2.37	-98				
1147	13.68	8.01	1.23	0.0	1.91	-74				
1150	13.58	8.03	1.22	0.0	1.96	-90				
1153	12.96	8.04	1.23	0.0	2.03	-74				
1155	13.21	8.05	1.23	0.0	2.34	-73				
1158	12.95	8.05	1.23	0.0	2.01	-86				
1204	12.97	8.05	1.23	0.0	2.16	-83				

Comments: * If the pH check differs by more than ± 0.2 S.U from the temperature adjusted pH buffer value, then the instrument will need to be recalibrated.

Signature:

NJ Cert: 03027

APPENDIX

C

Laboratory Analysis Reports

ANALYTICAL REPORT

Lab Number:	L2250810
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Mark Saunders
Phone:	(716) 204-5880
Project Name:	CORNING EDWARDS ALLEN LANDFILL
Project Number:	B2101342.006.1.5
Report Date:	09/23/22

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2250810-01	MW-4S	WATER	Not Specified	09/13/22 16:09	09/16/22
L2250810-02	MW-4D	WATER	Not Specified	09/13/22 16:37	09/16/22
L2250810-03	MW-7S	WATER	Not Specified	09/14/22 15:55	09/16/22
L2250810-04	MW-7D	WATER	Not Specified	09/14/22 15:51	09/16/22
L2250810-05	MW-10S	WATER	Not Specified	09/15/22 17:08	09/16/22
L2250810-06	MW-10D	WATER	Not Specified	09/13/22 14:38	09/16/22
L2250810-07	MW-11S	WATER	Not Specified	09/15/22 09:50	09/16/22
L2250810-08	MW-11D	WATER	Not Specified	09/15/22 09:56	09/16/22
L2250810-09	MW-12S	WATER	Not Specified	09/14/22 09:52	09/16/22
L2250810-10	MW-12D	WATER	Not Specified	09/14/22 10:04	09/16/22
L2250810-11	MW-13S	WATER	Not Specified	09/14/22 11:45	09/16/22
L2250810-12	MW-13D	WATER	Not Specified	09/14/22 11:50	09/16/22
L2250810-13	MW-14S	WATER	Not Specified	09/15/22 15:30	09/16/22
L2250810-14	MW-15S	WATER	Not Specified	09/15/22 12:19	09/16/22
L2250810-15	MW-15I	WATER	Not Specified	09/15/22 12:40	09/16/22
L2250810-16	MW-15D	WATER	Not Specified	09/15/22 14:50	09/16/22
L2250810-17	2047 RW	DW	Not Specified	09/14/22 14:12	09/16/22
L2250810-18	2048 RW	DW	Not Specified	09/12/22 13:48	09/16/22
L2250810-19	RB	WATER	Not Specified	09/13/22 00:00	09/16/22
L2250810-20	TB	WATER	Not Specified	09/13/22 00:00	09/16/22

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2250810-02, -05, and -16: The Dissolved Metals analysis was placed on hold.

L2250810-15 and -19: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

Volatile Organics

L2250810-19D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Total Metals

The WG1688662-4 MSD recovery for calcium (60%), performed on L2250810-12, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1688870-3 MS recovery, performed on L2250810-17, is outside the acceptance criteria for potassium (127%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/23/22

ORGANICS

VOLATILES

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-03
Client ID: MW-7S
Sample Location: Not Specified

Date Collected: 09/14/22 15:55
Date Received: 09/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/19/22 22:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	1.2	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.29	J	ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.17	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.6		ug/l	0.50	0.18	1

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-03 Date Collected: 09/14/22 15:55

Client ID: MW-7S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-03 Date Collected: 09/14/22 15:55

Client ID: MW-7S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	107		70-130

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-04
Client ID: MW-7D
Sample Location: Not Specified

Date Collected: 09/14/22 15:51
Date Received: 09/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/19/22 22:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	2.3	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.93		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	1.0	J	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.95	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.19	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	13		ug/l	0.50	0.18	1

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-04 Date Collected: 09/14/22 15:51

Client ID: MW-7D Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.8	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.8	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-04 Date Collected: 09/14/22 15:51

Client ID: MW-7D Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	111		70-130

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-11
Client ID: MW-13S
Sample Location: Not Specified

Date Collected: 09/14/22 11:45
Date Received: 09/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/19/22 22:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.25	J	ug/l	0.50	0.18	1

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-11 Date Collected: 09/14/22 11:45

Client ID: MW-13S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-11 Date Collected: 09/14/22 11:45

Client ID: MW-13S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-12
Client ID: MW-13D
Sample Location: Not Specified

Date Collected: 09/14/22 11:50
Date Received: 09/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/19/22 23:07
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-12 Date Collected: 09/14/22 11:50

Client ID: MW-13D Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	12		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-12 Date Collected: 09/14/22 11:50

Client ID: MW-13D Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	111		70-130

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-19 D
Client ID: RB
Sample Location: Not Specified

Date Collected: 09/13/22 00:00
Date Received: 09/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/19/22 23:28
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-19 D
Client ID: RB
Sample Location: Not Specified

Date Collected: 09/13/22 00:00
Date Received: 09/16/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
1,2-Dichloroethene, Total	ND		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-19 D
Client ID: RB
Sample Location: Not Specified

Date Collected: 09/13/22 00:00
Date Received: 09/16/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	112		70-130

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-20
Client ID: TB
Sample Location: Not Specified

Date Collected: 09/13/22 00:00
Date Received: 09/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/19/22 19:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-20 Date Collected: 09/13/22 00:00

Client ID: TB Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-20 Date Collected: 09/13/22 00:00

Client ID: TB Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	105		70-130

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/22 18:43
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,11-12,19-20 Batch: WG1689733-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/22 18:43
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,11-12,19-20 Batch: WG1689733-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/22 18:43
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,11-12,19-20 Batch: WG1689733-5					
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 09/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,11-12,19-20 Batch: WG1689733-3 WG1689733-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		99		70-130	1		20
Carbon tetrachloride	100		93		63-132	7		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	89		88		63-130	1		20
1,1,2-Trichloroethane	94		93		70-130	1		20
Tetrachloroethene	100		97		70-130	3		20
Chlorobenzene	98		93		75-130	5		20
Trichlorofluoromethane	91		86		62-150	6		20
1,2-Dichloroethane	97		100		70-130	3		20
1,1,1-Trichloroethane	98		94		67-130	4		20
Bromodichloromethane	100		97		67-130	3		20
trans-1,3-Dichloropropene	96		96		70-130	0		20
cis-1,3-Dichloropropene	94		92		70-130	2		20
Bromoform	80		82		54-136	2		20
1,1,2,2-Tetrachloroethane	91		95		67-130	4		20
Benzene	100		99		70-130	1		20
Toluene	99		95		70-130	4		20
Ethylbenzene	100		95		70-130	5		20
Chloromethane	**150**	Q	**140**	Q	64-130	7		20
Bromomethane	85		78		39-139	9		20
Vinyl chloride	130		120		55-140	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 09/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,11-12,19-20 Batch: WG1689733-3 WG1689733-4								
Chloroethane	92		89		55-138	3		20
1,1-Dichloroethene	110		96		61-145	14		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	90		89		70-130	1		20
1,2-Dichlorobenzene	95		92		70-130	3		20
1,3-Dichlorobenzene	98		93		70-130	5		20
1,4-Dichlorobenzene	96		92		70-130	4		20
Methyl tert butyl ether	84		91		63-130	8		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		90		70-130	11		20
cis-1,2-Dichloroethene	96		98		70-130	2		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	97		95		58-148	2		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	110		92		63-138	18		20
4-Methyl-2-pentanone	79		88		59-130	11		20
2-Hexanone	84		90		57-130	7		20
Bromochloromethane	100		95		70-130	5		20
1,2-Dibromoethane	88		89		70-130	1		20
n-Butylbenzene	96		93		53-136	3		20
sec-Butylbenzene	98		92		70-130	6		20
tert-Butylbenzene	94		89		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s):		03-04,11-12,19-20	Batch:	WG1689733-3	WG1689733-4		
1,2-Dibromo-3-chloropropane	73		72		41-144	1		20
Isopropylbenzene	99		94		70-130	5		20
p-Isopropyltoluene	92		90		70-130	2		20
Naphthalene	71		76		70-130	7		20
n-Propylbenzene	100		96		69-130	4		20
1,2,3-Trichlorobenzene	83		87		70-130	5		20
1,2,4-Trichlorobenzene	89		87		70-130	2		20
1,3,5-Trimethylbenzene	100		96		64-130	4		20
1,2,4-Trimethylbenzene	98		94		70-130	4		20
Methyl Acetate	91		100		70-130	9		20
Cyclohexane	110		100		70-130	10		20
1,4-Dioxane	**54**	Q	60		56-162	11		20
Freon-113	97		100		70-130	3		20
Methyl cyclohexane	93		90		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		107		70-130
Toluene-d8	104		101		70-130
4-Bromofluorobenzene	108		107		70-130
Dibromofluoromethane	104		103		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5
Lab Number: L2250810
Report Date: 09/23/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,11-12,19-20 QC Batch ID: WG1689733-8 WG1689733-9 QC Sample: L2250810-12 Client ID: MW-13D												
Methylene chloride	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	10	100		9.9	99		70-130	1		20
Carbon tetrachloride	ND	10	10	100		11	110		63-132	10		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	8.5	85		9.0	90		63-130	6		20
1,1,2-Trichloroethane	ND	10	9.5	95		9.6	96		70-130	1		20
Tetrachloroethene	ND	10	9.8	98		10	100		70-130	2		20
Chlorobenzene	ND	10	9.6	96		9.8	98		75-130	2		20
Trichlorofluoromethane	ND	10	9.5	95		9.6	96		62-150	1		20
1,2-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
1,1,1-Trichloroethane	ND	10	9.6	96		9.9	99		67-130	3		20
Bromodichloromethane	ND	10	9.9	99		9.5	95		67-130	4		20
trans-1,3-Dichloropropene	ND	10	9.2	92		9.4	94		70-130	2		20
cis-1,3-Dichloropropene	ND	10	9.2	92		9.3	93		70-130	1		20
Bromoform	ND	10	8.3	83		8.3	83		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	9.7	97		9.6	96		67-130	1		20
Benzene	ND	10	10	100		11	110		70-130	10		20
Toluene	ND	10	9.7	97		10	100		70-130	3		20
Ethylbenzene	ND	10	9.7	97		10	100		70-130	3		20
Chloromethane	ND	10	15	**150**	Q	15	**150**	Q	64-130	0		20
Bromomethane	ND	10	8.7	87		9.0	90		39-139	3		20
Vinyl chloride	ND	10	14	140		14	140		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5
Lab Number: L2250810
Report Date: 09/23/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,11-12,19-20 QC Batch ID: WG1689733-8 WG1689733-9 QC Sample: L2250810-12 Client ID: MW-13D												
Chloroethane	ND	10	10	100		11	110		55-138	10		20
1,1-Dichloroethene	ND	10	10	100		11	110		61-145	10		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	ND	10	9.1	91		9.7	97		70-130	6		20
1,2-Dichlorobenzene	ND	10	9.0	90		9.3	93		70-130	3		20
1,3-Dichlorobenzene	ND	10	9.4	94		9.6	96		70-130	2		20
1,4-Dichlorobenzene	ND	10	9.1	91		9.4	94		70-130	3		20
Methyl tert butyl ether	ND	10	8.6	86		9.3	93		63-130	8		20
p/m-Xylene	ND	20	19	95		20	100		70-130	5		20
o-Xylene	ND	20	19	95		19	95		70-130	0		20
cis-1,2-Dichloroethene	ND	10	9.8	98		10	100		70-130	2		20
Styrene	ND	20	19	95		19	95		70-130	0		20
Dichlorodifluoromethane	ND	10	12	120		13	130		36-147	8		20
Acetone	12	10	21	90		23	110		58-148	9		20
Carbon disulfide	ND	10	11	110		12	120		51-130	9		20
2-Butanone	ND	10	8.2	82		9.2	92		63-138	11		20
4-Methyl-2-pentanone	ND	10	8.0	80		8.4	84		59-130	5		20
2-Hexanone	ND	10	8.0	80		8.7	87		57-130	8		20
Bromochloromethane	ND	10	9.6	96		9.9	99		70-130	3		20
1,2-Dibromoethane	ND	10	8.6	86		9.2	92		70-130	7		20
n-Butylbenzene	ND	10	8.9	89		9.8	98		53-136	10		20
sec-Butylbenzene	ND	10	9.6	96		10	100		70-130	4		20
tert-Butylbenzene	ND	10	9.5	95		9.9	99		70-130	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5
Lab Number: L2250810
Report Date: 09/23/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,11-12,19-20 QC Batch ID: WG1689733-8 WG1689733-9 QC Sample: L2250810-12 Client ID: MW-13D												
1,2-Dibromo-3-chloropropane	ND	10	7.7	77		7.7	77		41-144	0		20
Isopropylbenzene	ND	10	10	100		10	100		70-130	0		20
p-Isopropyltoluene	ND	10	9.2	92		9.6	96		70-130	4		20
Naphthalene	ND	10	7.6	76		7.8	78		70-130	3		20
n-Propylbenzene	ND	10	10	100		11	110		69-130	10		20
1,2,3-Trichlorobenzene	ND	10	8.4	84		8.4	84		70-130	0		20
1,2,4-Trichlorobenzene	ND	10	8.4	84		8.9	89		70-130	6		20
1,3,5-Trimethylbenzene	ND	10	9.9	99		10	100		64-130	1		20
1,2,4-Trimethylbenzene	ND	10	9.6	96		10	100		70-130	4		20
Methyl Acetate	ND	10	9.0	90		9.6	96		70-130	6		20
Cyclohexane	ND	10	12	120		12	120		70-130	0		20
1,4-Dioxane	ND	500	370	74		390	78		56-162	5		20
Freon-113	ND	10	10	100		11	110		70-130	10		20
Methyl cyclohexane	ND	10	8.9J	89		9.8J	98		70-130	10		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
4-Bromofluorobenzene	111		111		70-130
Dibromofluoromethane	101		100		70-130
Toluene-d8	100		102		70-130

METALS

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-01 Date Collected: 09/13/22 16:09

Client ID: MW-4S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.071	J	mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Arsenic, Total	0.004	J	mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Barium, Total	0.075		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Calcium, Total	86.6		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Iron, Total	2.28		mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Magnesium, Total	20.2		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Manganese, Total	2.42		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:24	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Potassium, Total	1.75	J	mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Sodium, Total	35.9		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB
Zinc, Total	0.004	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 09:39	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-03 Date Collected: 09/14/22 15:55

Client ID: MW-7S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Barium, Total	0.071		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Calcium, Total	101		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Copper, Total	0.002	J	mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Iron, Total	0.032	J	mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Magnesium, Total	21.6		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Manganese, Total	2.16		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:27	EPA 7470A	1,7470A	ZK
Nickel, Total	0.003	J	mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Potassium, Total	2.56		mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Sodium, Total	60.9		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB
Zinc, Total	0.005	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 09:44	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-04 Date Collected: 09/14/22 15:51

Client ID: MW-7D Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Barium, Total	0.217		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Calcium, Total	118		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Iron, Total	0.021	J	mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Magnesium, Total	16.4		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Manganese, Total	0.162		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:31	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Potassium, Total	2.39	J	mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Sodium, Total	35.7		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB
Zinc, Total	0.004	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 09:50	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-06 Date Collected: 09/13/22 14:38

Client ID: MW-10D Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Barium, Total	3.54		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Calcium, Total	46.3		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Iron, Total	0.058		mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Magnesium, Total	9.25		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Manganese, Total	0.105		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:34	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Potassium, Total	3.24		mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Sodium, Total	63.1		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB
Zinc, Total	ND		mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 09:55	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-07 Date Collected: 09/15/22 09:50

Client ID: MW-11S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Barium, Total	0.129		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Calcium, Total	13.9		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Cobalt, Total	0.002	J	mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Copper, Total	0.003	J	mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Iron, Total	0.045	J	mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Magnesium, Total	2.51		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Manganese, Total	0.016		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:37	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Potassium, Total	6.34		mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Sodium, Total	41.7		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB
Zinc, Total	0.010	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 10:00	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-08 Date Collected: 09/15/22 09:56

Client ID: MW-11D Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.134		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Arsenic, Total	0.005		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Barium, Total	0.396		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Calcium, Total	61.5		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Iron, Total	0.510		mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Magnesium, Total	12.9		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Manganese, Total	0.316		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:41	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Potassium, Total	1.91	J	mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Sodium, Total	30.7		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB
Zinc, Total	ND		mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 10:50	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-09 Date Collected: 09/14/22 09:52

Client ID: MW-12S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Barium, Total	0.062		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Calcium, Total	49.0		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Iron, Total	0.021	J	mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Magnesium, Total	9.76		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Manganese, Total	0.009	J	mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:44	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Potassium, Total	1.91	J	mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Sodium, Total	36.7		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB
Zinc, Total	0.006	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 10:55	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-10 Date Collected: 09/14/22 10:04

Client ID: MW-12D Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Barium, Total	1.90		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Calcium, Total	33.6		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Iron, Total	0.082		mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Magnesium, Total	6.23		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Manganese, Total	0.029		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:47	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Potassium, Total	3.44		mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Sodium, Total	71.6		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB
Zinc, Total	0.005	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 11:00	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-11 Date Collected: 09/14/22 11:45

Client ID: MW-13S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.078	J	mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Barium, Total	0.020		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Calcium, Total	19.1		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Iron, Total	0.890		mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Magnesium, Total	3.15		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Manganese, Total	0.830		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:51	EPA 7470A	1,7470A	ZK
Nickel, Total	0.004	J	mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Potassium, Total	0.913	J	mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Sodium, Total	6.15		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB
Zinc, Total	0.041	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 11:05	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-12 Date Collected: 09/14/22 11:50

Client ID: MW-13D Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.980		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Barium, Total	0.036		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Calcium, Total	182		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Copper, Total	0.005	J	mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Iron, Total	0.041	J	mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Magnesium, Total	0.698		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Manganese, Total	0.004	J	mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:06	EPA 7470A	1,7470A	ZK
Nickel, Total	0.013	J	mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Potassium, Total	6.48		mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Sodium, Total	18.6		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB
Zinc, Total	0.015	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 10:05	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-13 Date Collected: 09/15/22 15:30

Client ID: MW-14S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.209		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Barium, Total	0.029		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Calcium, Total	43.7		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Iron, Total	0.302		mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Magnesium, Total	3.78		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Manganese, Total	0.242		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 09:54	EPA 7470A	1,7470A	ZK
Nickel, Total	0.005	J	mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Potassium, Total	1.12	J	mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Sodium, Total	4.38		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB
Zinc, Total	0.014	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 11:11	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-14 Date Collected: 09/15/22 12:19

Client ID: MW-15S Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.059	J	mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Barium, Total	0.124		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Calcium, Total	14.0		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Iron, Total	0.013	J	mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Magnesium, Total	0.120		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Manganese, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 10:07	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Potassium, Total	5.10		mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Sodium, Total	47.8		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB
Zinc, Total	0.007	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 11:16	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-15 Date Collected: 09/15/22 12:40

Client ID: MW-15I Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.041	J	mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Arsenic, Total	0.003	J	mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Barium, Total	0.205		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Calcium, Total	58.2		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Iron, Total	0.298		mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Magnesium, Total	14.1		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Manganese, Total	0.185		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 10:10	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Potassium, Total	2.80		mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Sodium, Total	27.9		mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB
Zinc, Total	0.002	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 11:21	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-17 Date Collected: 09/14/22 14:12

Client ID: 2047 RW Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Dw

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.038	J	mg/l	0.100	0.032	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Antimony, Total	0.0007	J	mg/l	0.0040	0.0004	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Arsenic, Total	0.0012		mg/l	0.0010	0.0002	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Barium, Total	2.005		mg/l	0.0010	0.0002	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Beryllium, Total	ND		mg/l	0.0010	0.0001	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Calcium, Total	73.9		mg/l	0.100	0.035	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Chromium, Total	0.0006	J	mg/l	0.0010	0.0002	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Copper, Total	0.0103		mg/l	0.0010	0.0004	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Iron, Total	0.021	J	mg/l	0.050	0.009	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Lead, Total	ND		mg/l	0.0010	0.0003	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Magnesium, Total	14.1		mg/l	0.100	0.015	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Manganese, Total	0.158		mg/l	0.010	0.002	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Mercury, Total	0.0001	J	mg/l	0.0002	0.0001	1	09/19/22 15:10	09/19/22 21:11	EPA 245.1	3,245.1	ZK
Nickel, Total	0.0007	J	mg/l	0.0020	0.0006	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Potassium, Total	1.98	J	mg/l	2.50	0.237	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Selenium, Total	ND		mg/l	0.0050	0.0017	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Silver, Total	ND		mg/l	0.0004	0.0002	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Sodium, Total	71.9		mg/l	2.00	0.120	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Thallium, Total	ND		mg/l	0.0010	0.0001	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Vanadium, Total	ND		mg/l	0.0050	0.0016	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Zinc, Total	0.0398		mg/l	0.0100	0.0034	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-18 Date Collected: 09/12/22 13:48

Client ID: 2048 RW Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Dw

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Antimony, Total	ND		mg/l	0.0040	0.0004	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Arsenic, Total	0.0016		mg/l	0.0010	0.0002	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Barium, Total	0.7536		mg/l	0.0010	0.0002	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Beryllium, Total	ND		mg/l	0.0010	0.0001	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Calcium, Total	51.6		mg/l	0.100	0.035	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Chromium, Total	0.0002	J	mg/l	0.0010	0.0002	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Copper, Total	0.0004	J	mg/l	0.0010	0.0004	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Iron, Total	0.507		mg/l	0.050	0.009	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Lead, Total	ND		mg/l	0.0010	0.0003	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Magnesium, Total	11.2		mg/l	0.100	0.015	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Manganese, Total	0.314		mg/l	0.010	0.002	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Mercury, Total	0.0001	J	mg/l	0.0002	0.0001	1	09/19/22 15:10	09/19/22 21:22	EPA 245.1	3,245.1	ZK
Nickel, Total	ND		mg/l	0.0020	0.0006	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Potassium, Total	1.87	J	mg/l	2.50	0.237	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Selenium, Total	ND		mg/l	0.0050	0.0017	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Silver, Total	ND		mg/l	0.0004	0.0002	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Sodium, Total	46.5		mg/l	2.00	0.120	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Thallium, Total	ND		mg/l	0.0010	0.0001	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Vanadium, Total	ND		mg/l	0.0050	0.0016	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Zinc, Total	0.0099	J	mg/l	0.0100	0.0034	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-19 Date Collected: 09/13/22 00:00

Client ID: RB Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Barium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Calcium, Total	0.387		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Iron, Total	0.017	J	mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Magnesium, Total	0.025	J	mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Manganese, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Mercury, Total	0.00010	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 10:14	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Potassium, Total	ND		mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Sodium, Total	0.285	J	mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB
Zinc, Total	0.005	J	mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 11:26	EPA 3005A	1,6010D	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03-04,06-15,19 Batch: WG1688662-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Barium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Calcium, Total	ND		mg/l	0.100	0.035	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Iron, Total	ND		mg/l	0.050	0.009	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Magnesium, Total	ND		mg/l	0.100	0.015	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Manganese, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Potassium, Total	ND		mg/l	2.50	0.237	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Sodium, Total	0.243	J	mg/l	2.00	0.120	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB
Zinc, Total	ND		mg/l	0.050	0.002	1	09/17/22 08:47	09/23/22 08:44	1,6010D	NB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03-04,06-15,19 Batch: WG1688664-1										
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	09/17/22 09:35	09/19/22 08:59	1,7470A	ZK

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 17-18 Batch: WG1688867-1										
Antimony, Total	ND		mg/l	0.0040	0.0004	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Arsenic, Total	0.0003	J	mg/l	0.0010	0.0002	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Barium, Total	ND		mg/l	0.0010	0.0002	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Beryllium, Total	ND		mg/l	0.0010	0.0001	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Chromium, Total	ND		mg/l	0.0010	0.0002	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Copper, Total	ND		mg/l	0.0010	0.0004	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Lead, Total	ND		mg/l	0.0010	0.0003	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Nickel, Total	ND		mg/l	0.0020	0.0006	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Selenium, Total	ND		mg/l	0.0050	0.0017	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Silver, Total	ND		mg/l	0.0004	0.0002	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Thallium, Total	ND		mg/l	0.0010	0.0001	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Vanadium, Total	ND		mg/l	0.0050	0.0016	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV
Zinc, Total	ND		mg/l	0.0100	0.0034	1	09/19/22 14:15	09/21/22 10:42	3,200.8	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 17-18 Batch: WG1688870-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/19/22 14:15	09/23/22 08:20	19,200.7	NB
Calcium, Total	ND		mg/l	0.100	0.035	1	09/19/22 14:15	09/23/22 08:20	19,200.7	NB
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/19/22 14:15	09/23/22 08:20	19,200.7	NB
Iron, Total	ND		mg/l	0.050	0.009	1	09/19/22 14:15	09/23/22 08:20	19,200.7	NB
Magnesium, Total	ND		mg/l	0.100	0.015	1	09/19/22 14:15	09/23/22 08:20	19,200.7	NB
Manganese, Total	ND		mg/l	0.010	0.002	1	09/19/22 14:15	09/23/22 08:20	19,200.7	NB
Potassium, Total	ND		mg/l	2.50	0.237	1	09/19/22 14:15	09/23/22 08:20	19,200.7	NB

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

Method Blank Analysis
Batch Quality Control

Sodium, Total	0.269	J	mg/l	2.00	0.120	1	09/19/22 14:15	09/23/22 08:20	19,200.7	NB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 17-18 Batch: WG1688872-1										
Mercury, Total	0.0001	J	mg/l	0.0002	0.0001	1	09/19/22 15:10	09/19/22 20:45	3,245.1	ZK

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 09/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06-15,19 Batch: WG1688662-2								
Aluminum, Total	99		-		80-120	-		
Antimony, Total	101		-		80-120	-		
Arsenic, Total	101		-		80-120	-		
Barium, Total	96		-		80-120	-		
Beryllium, Total	105		-		80-120	-		
Cadmium, Total	97		-		80-120	-		
Calcium, Total	103		-		80-120	-		
Chromium, Total	93		-		80-120	-		
Cobalt, Total	92		-		80-120	-		
Copper, Total	93		-		80-120	-		
Iron, Total	102		-		80-120	-		
Lead, Total	95		-		80-120	-		
Magnesium, Total	99		-		80-120	-		
Manganese, Total	95		-		80-120	-		
Nickel, Total	94		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	107		-		80-120	-		
Thallium, Total	98		-		80-120	-		
Vanadium, Total	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 09/23/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06-15,19 Batch: WG1688662-2					
Zinc, Total	96	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06-15,19 Batch: WG1688664-2					
Mercury, Total	105	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 17-18 Batch: WG1688867-2					
Antimony, Total	90	-	85-115	-	
Arsenic, Total	101	-	85-115	-	
Barium, Total	96	-	85-115	-	
Beryllium, Total	98	-	85-115	-	
Cadmium, Total	98	-	85-115	-	
Chromium, Total	99	-	85-115	-	
Copper, Total	94	-	85-115	-	
Lead, Total	98	-	85-115	-	
Nickel, Total	95	-	85-115	-	
Selenium, Total	102	-	85-115	-	
Silver, Total	111	-	85-115	-	
Thallium, Total	100	-	85-115	-	
Vanadium, Total	99	-	85-115	-	
Zinc, Total	94	-	85-115	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 09/23/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 Batch: WG1688870-2					
Aluminum, Total	102	-	85-115	-	
Calcium, Total	107	-	85-115	-	
Cobalt, Total	94	-	85-115	-	
Iron, Total	105	-	85-115	-	
Magnesium, Total	103	-	85-115	-	
Manganese, Total	99	-	85-115	-	
Potassium, Total	106	-	85-115	-	
Sodium, Total	110	-	85-115	-	
Total Metals - Mansfield Lab Associated sample(s): 17-18 Batch: WG1688872-2					
Mercury, Total	110	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06-15,19 QC Batch ID: WG1688662-3 WG1688662-4 QC Sample: L2250810-12 Client ID: MW-13D												
Aluminum, Total	0.980	2	2.95	98		2.92	97		75-125	1		20
Antimony, Total	ND	0.5	0.513	103		0.500	100		75-125	3		20
Arsenic, Total	ND	0.12	0.128	107		0.123	102		75-125	4		20
Barium, Total	0.036	2	1.96	96		1.93	95		75-125	2		20
Beryllium, Total	ND	0.05	0.052	105		0.052	103		75-125	2		20
Cadmium, Total	ND	0.053	0.051	96		0.049	93		75-125	3		20
Calcium, Total	182	10	192	100		188	**60**	Q	75-125	2		20
Chromium, Total	ND	0.2	0.185	92		0.178	89		75-125	4		20
Cobalt, Total	ND	0.5	0.454	91		0.440	88		75-125	3		20
Copper, Total	0.005J	0.25	0.244	98		0.234	94		75-125	4		20
Iron, Total	0.041J	1	1.04	104		1.03	103		75-125	1		20
Lead, Total	ND	0.53	0.497	94		0.483	91		75-125	3		20
Magnesium, Total	0.698	10	10.3	96		10.2	95		75-125	1		20
Manganese, Total	0.004J	0.5	0.475	95		0.467	93		75-125	2		20
Nickel, Total	0.013J	0.5	0.470	94		0.455	91		75-125	3		20
Potassium, Total	6.48	10	17.0	105		16.7	102		75-125	2		20
Selenium, Total	ND	0.12	0.126	105		0.122	102		75-125	3		20
Silver, Total	ND	0.05	0.051	102		0.049	98		75-125	4		20
Sodium, Total	18.6	10	29.2	106		28.7	101		75-125	2		20
Thallium, Total	ND	0.12	0.115	96		0.111	92		75-125	4		20
Vanadium, Total	ND	0.5	0.483	97		0.467	93		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06-15,19 QC Batch ID: WG1688662-3 WG1688662-4 QC Sample: L2250810-12 Client ID: MW-13D									
Zinc, Total	0.015J	0.5	0.488	98	0.472	94	75-125	3	20
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06-15,19 QC Batch ID: WG1688664-3 WG1688664-4 QC Sample: L2250810-12 Client ID: MW-13D									
Mercury, Total	0.00009J	0.005	0.00488	98	0.00466	93	75-125	5	20
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688867-3 QC Sample: L2250810-17 Client ID: 2047 RW									
Antimony, Total	0.0007J	0.5	0.4667	93	-	-	70-130	-	20
Arsenic, Total	0.0012	0.12	0.1224	101	-	-	70-130	-	20
Barium, Total	2.005	2	4.029	101	-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0513	102	-	-	70-130	-	20
Cadmium, Total	ND	0.053	0.0529	100	-	-	70-130	-	20
Chromium, Total	0.0006J	0.2	0.2036	102	-	-	70-130	-	20
Copper, Total	0.0103	0.25	0.2506	96	-	-	70-130	-	20
Lead, Total	ND	0.53	0.5426	102	-	-	70-130	-	20
Nickel, Total	0.0007J	0.5	0.4902	98	-	-	70-130	-	20
Selenium, Total	ND	0.12	0.1089	91	-	-	70-130	-	20
Silver, Total	ND	0.05	0.0575	115	-	-	70-130	-	20
Thallium, Total	ND	0.12	0.1251	104	-	-	70-130	-	20
Vanadium, Total	ND	0.5	0.5171	103	-	-	70-130	-	20
Zinc, Total	0.0398	0.5	0.5396	100	-	-	70-130	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688867-5 QC Sample: L2250810-18 Client ID: 2048 RW									
Antimony, Total	ND	0.5	0.4516	90	-	-	70-130	-	20
Arsenic, Total	0.0016	0.12	0.1166	96	-	-	70-130	-	20
Barium, Total	0.7536	2	2.540	89	-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0476	95	-	-	70-130	-	20
Cadmium, Total	ND	0.053	0.0485	91	-	-	70-130	-	20
Chromium, Total	0.0002J	0.2	0.1837	92	-	-	70-130	-	20
Copper, Total	0.0004J	0.25	0.2322	93	-	-	70-130	-	20
Lead, Total	ND	0.53	0.4848	91	-	-	70-130	-	20
Nickel, Total	ND	0.5	0.4650	93	-	-	70-130	-	20
Selenium, Total	ND	0.12	0.1103	92	-	-	70-130	-	20
Silver, Total	ND	0.05	0.0515	103	-	-	70-130	-	20
Thallium, Total	ND	0.12	0.1098	92	-	-	70-130	-	20
Vanadium, Total	ND	0.5	0.4752	95	-	-	70-130	-	20
Zinc, Total	0.0099J	0.5	0.4672	93	-	-	70-130	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688870-3 QC Sample: L2250810-17 Client ID: 2047 RW										
Aluminum, Total	0.038J	2	2.04	102		-	-	75-125	-	20
Calcium, Total	73.9	10	85.7	118		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.465	93		-	-	75-125	-	20
Iron, Total	0.021J	1	1.06	106		-	-	75-125	-	20
Magnesium, Total	14.1	10	24.4	103		-	-	75-125	-	20
Manganese, Total	0.158	0.5	0.648	98		-	-	75-125	-	20
Potassium, Total	1.98J	10	12.7	**127**	Q	-	-	75-125	-	20
Sodium, Total	71.9	10	84.2	123		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688872-3 QC Sample: L2250625-01 Client ID: MS Sample										
Mercury, Total	0.0001J	0.005	0.0050	100		-	-	70-130	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 09/23/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688867-4 QC Sample: L2250810-17 Client ID: 2047 RW						
Antimony, Total	0.0007J	0.0012J	mg/l	NC		20
Arsenic, Total	0.0012	0.0008J	mg/l	NC		20
Barium, Total	2.005	2.078	mg/l	4		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.0006J	0.0004J	mg/l	NC		20
Copper, Total	0.0103	0.0104	mg/l	1		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.0007J	0.0011J	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.0398	0.0414	mg/l	4		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 09/23/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688867-6 QC Sample: L2250810-18 Client ID: 2048 RW					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.0016	0.0015	mg/l	9	20
Barium, Total	0.7536	0.7114	mg/l	6	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	0.0002J	ND	mg/l	NC	20
Copper, Total	0.0004J	0.0005J	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.0099J	0.0093J	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 09/23/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688870-4 QC Sample: L2250810-17 Client ID: 2047 RW					
Aluminum, Total	0.038J	ND	mg/l	NC	20
Calcium, Total	73.9	78.0	mg/l	5	20
Cobalt, Total	ND	ND	mg/l	NC	20
Iron, Total	0.021J	0.020J	mg/l	NC	20
Magnesium, Total	14.1	14.9	mg/l	6	20
Manganese, Total	0.158	0.167	mg/l	6	20
Potassium, Total	1.98J	2.11J	mg/l	NC	20
Sodium, Total	71.9	75.9	mg/l	5	20
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688872-4 QC Sample: L2250625-01 Client ID: DUP Sample					
Mercury, Total	0.0001J	0.0002J	mg/l	NC	20

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2250810-01A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2250810-02A	Plastic 950ml unpreserved	A	7	<2	4.9	N	Absent		ARCHIVE()
L2250810-03A	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-03B	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-03C	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-03D	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2250810-04A	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-04B	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-04C	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-04D	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2250810-05A	Plastic 950ml unpreserved	A	7	<2	4.9	N	Absent		ARCHIVE()
L2250810-06A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)

*Values in parentheses indicate holding time in days

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2250810-07A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2250810-08A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2250810-09A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2250810-10A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2250810-11A	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-11B	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-11C	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-11D	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2250810-12A	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-12A1	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-12A2	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-12B	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-12B1	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-12B2	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-12C	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-12C1	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2250810-12C2	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-12D	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2250810-12D1	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2250810-12D2	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2250810-13A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2250810-14A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2250810-15A	Plastic 250ml HNO3 preserved	A	3	<2	4.9	N	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2250810-16A	Plastic 950ml unpreserved	A	10	<2	4.9	N	Absent		ARCHIVE()
L2250810-17A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		CD-2008T(180),NI-2008T(180),CA-UI(180),K-UI(180),ZN-2008T(180),BE-2008T(180),CO-UI(180),CU-2008T(180),MG-UI(180),V-2008T(180),FE-UI(180),HG-U(28),SE-2008T(180),AS-2008T(180),AG-2008T(180),BA-2008T(180),NA-UI(180),AL-UI(180),MN-UI(180),PB-2008T(180),SB-2008T(180),CR-2008T(180),TL-2008T(180)

*Values in parentheses indicate holding time in days

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2250810-18A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		CD-2008T(180),CA-UI(180),NI-2008T(180),K-UI(180),BE-2008T(180),CO-UI(180),ZN-2008T(180),MG-UI(180),FE-UI(180),V-2008T(180),CU-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),AG-2008T(180),AL-UI(180),BA-2008T(180),MN-UI(180),NA-UI(180),TL-2008T(180),PB-2008T(180),CR-2008T(180),SB-2008T(180)
L2250810-19A	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-19B	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-19C	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-19D	Plastic 250ml HNO3 preserved	A	3	<2	4.9	N	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2250810-20A	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L2250810-20B	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 3

Date Rec'd in Lab: 9/17/22

ALPHA Job #: L2250810

Client Information
Client: Mark Saunders
Address:
Phone:
Fax:
Email: Mark.D.Saunders@us.corning.com

Project Information
Project Name: Corning Edwards Allen Landfill
Project Location:
Project #: B2101342.006.1.5
(Use Project name as Project #) ☐
Project Manager: Mark Saunders
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	6010B/7470A	8260B	6010B/7470A						Sample Specific Comments	Total Bottle
50810-01	MW-4S	9/13/22	1609	MW	TF	1									1
02	MW-4D	↓	1637					1						Needs filtered	1
03	MW-7S	9/14/22	1555			1	3								4
04	MW-7D	↓	1551			1	3								4
05	MW-10S	9/15/22	~~9/13/22~~					1						Needs filtered	1
06	MW-10D		1758												1
07	MW-11S		1438			1									1
08	MW-11D		0950			1									1
09	MW-12S	9/14/22	0956			1									1
10	MW-17D	9/14/22	0952			1									1
			1004	↓	↓	1									1

Container Type: P V P
Preservative: C B A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/16/22 0925		9-16-22 925
	9/16/22 16:02		9/17/22 00:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 3

Date Rec'd in Lab: 9/17/22

ALPHA Job #: L2250810

Client Information
Client:
Address:
Phone:
Fax:
Email:

Project Information
Project Name:
Project Location:
Project # B2101342.006.15
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	6010B/7470A	8260B	6010B/7470A						Sample Specific Comments	Total Bottle
50810-11	MW-13S	9/14/22	1145	MW	TF	1	3								4
12	MW-13D		1150			1	3								4
13	MW 14S	9/15/22	1530			1									1
	~~MW-14D~~		~~1530~~	~~TF~~		1									1
14	MW-15S	9/15/22	1219			1									1
15	MW-15I		1240			1									1
16	MW-15D		1450					1						Needs filtered	1
12	MW-13D MS	9/14/22	1150			1									1
12	MW-13D MSD					1									1
17	2047 Rw	9/14/22	1412	DW		1									1
	Container Type					P	V	P							
	Preservative					C	B	A							

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/16/22 0925	AAL	9-16-22 925
	9/16/22 1615	MOP	9/17/22 00:30

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Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

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Page 3 of 3

Date Rec'd in Lab: 9/17/22

ALPHA Job #: L2250810

Client Information
Client:
Address:
Phone:
Fax:
Email:

Project Information
Project Name:
Project Location:
Project # B2101342.006.1.5
(Use Project name as Project #)
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
6010B/7470A
8260B

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	6010B/7470A	8260B	Sample Specific Comments	Total Bottle
50810-18	2034 RW	9/12/22	1348	DW	TL	1			1
19	RB	—	—	MW	—	1	3		4
20	TB	—	—		—		2		2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	P	V
Preservative	C	B

Relinquished By:	Date/Time	Received By:	Date/Time
	9/16/22 6925		9-16-22 925
	9/16/22 16:05		9/17/22 08:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2259862
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Mark Saunders
Phone:	(716) 204-5880
Project Name:	CORNING EDWARD ALLEN LANDFILL
Project Number:	B2101342.006.1.5
Report Date:	11/09/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2259862-01	MW-4D	WATER	Not Specified	10/24/22 17:15	10/26/22
L2259862-02	MW-4D	WATER	Not Specified	10/24/22 17:15	10/26/22
L2259862-03	MW-10S	WATER	Not Specified	10/25/22 10:40	10/26/22
L2259862-04	MW-10S	WATER	Not Specified	10/25/22 10:40	10/26/22
L2259862-05	MW-15D	WATER	Not Specified	10/24/22 14:45	10/26/22
L2259862-06	MW-15D	WATER	Not Specified	10/24/22 14:45	10/26/22
L2259862-07	RW 2094	DW	Not Specified	10/25/22 12:10	10/26/22

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2259862-02: The sample was received above the appropriate pH for the Dissolved Metals analysis. The laboratory added additional HNO3 to a pH <2.

L2259862-07: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

Total Metals

The WG1706324-7 MS recovery for sodium (0%), performed on L2259862-07, does not apply because the sample concentration is greater than four times the spike amount added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 11/09/22

METALS

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-01 Date Collected: 10/24/22 17:15

Client ID: MW-4D Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.200		mg/l	0.100	0.0318	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Antimony, Total	ND		mg/l	0.0500	0.0071	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Arsenic, Total	0.0119		mg/l	0.0050	0.0019	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Barium, Total	0.437		mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Calcium, Total	111.		mg/l	0.100	0.0350	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Chromium, Total	ND		mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Cobalt, Total	0.0017	J	mg/l	0.0200	0.0017	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Copper, Total	ND		mg/l	0.0100	0.0022	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Iron, Total	13.0		mg/l	0.0500	0.0090	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Magnesium, Total	22.0		mg/l	0.100	0.0153	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Manganese, Total	5.70		mg/l	0.0100	0.0016	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/31/22 09:49	10/31/22 19:49	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.0250	0.0024	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Potassium, Total	2.71		mg/l	2.50	0.237	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Sodium, Total	26.4		mg/l	2.00	0.120	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Thallium, Total	ND		mg/l	0.0200	0.0025	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Zinc, Total	0.0032	J	mg/l	0.0500	0.0021	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-02 Date Collected: 10/24/22 17:15

Client ID: MW-4D Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Arsenic, Dissolved	0.0022	J	mg/l	0.0050	0.0019	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Barium, Dissolved	0.192		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Calcium, Dissolved	98.7		mg/l	0.100	0.0350	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Iron, Dissolved	0.0149	J	mg/l	0.0500	0.0090	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Magnesium, Dissolved	20.7		mg/l	0.100	0.0153	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Manganese, Dissolved	0.869		mg/l	0.0100	0.0016	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/22 13:19	11/09/22 10:52	EPA 7470A	1,7470A	ZK
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Potassium, Dissolved	2.46	J	mg/l	2.50	0.237	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Sodium, Dissolved	24.1		mg/l	2.00	0.120	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Zinc, Dissolved	0.0021	J	mg/l	0.0500	0.0021	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-03 Date Collected: 10/25/22 10:40

Client ID: MW-10S Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.88		mg/l	0.100	0.0318	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Antimony, Total	ND		mg/l	0.0500	0.0071	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Barium, Total	0.0728		mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Calcium, Total	46.8		mg/l	0.100	0.0350	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Chromium, Total	0.0055	J	mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Copper, Total	0.0035	J	mg/l	0.0100	0.0022	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Iron, Total	3.70		mg/l	0.0500	0.0090	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Magnesium, Total	8.32		mg/l	0.100	0.0153	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Manganese, Total	1.20		mg/l	0.0100	0.0016	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/31/22 09:49	10/31/22 19:39	EPA 7470A	1,7470A	ZK
Nickel, Total	0.0032	J	mg/l	0.0250	0.0024	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Potassium, Total	2.34	J	mg/l	2.50	0.237	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Sodium, Total	15.0		mg/l	2.00	0.120	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Thallium, Total	ND		mg/l	0.0200	0.0025	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Vanadium, Total	0.0029	J	mg/l	0.0100	0.0020	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Zinc, Total	0.0122	J	mg/l	0.0500	0.0021	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-04 Date Collected: 10/25/22 10:40

Client ID: MW-10S Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Arsenic, Dissolved	0.0028	J	mg/l	0.0050	0.0019	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Barium, Dissolved	0.0388		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Calcium, Dissolved	43.6		mg/l	0.100	0.0350	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Iron, Dissolved	0.0142	J	mg/l	0.0500	0.0090	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Magnesium, Dissolved	7.52		mg/l	0.100	0.0153	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Manganese, Dissolved	0.0269		mg/l	0.0100	0.0016	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/22 13:19	11/09/22 11:02	EPA 7470A	1,7470A	ZK
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Potassium, Dissolved	1.94	J	mg/l	2.50	0.237	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Sodium, Dissolved	14.2		mg/l	2.00	0.120	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Zinc, Dissolved	0.0021	J	mg/l	0.0500	0.0021	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-05 Date Collected: 10/24/22 14:45

Client ID: MW-15D Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.127		mg/l	0.100	0.0318	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Antimony, Total	ND		mg/l	0.0500	0.0071	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Barium, Total	0.130		mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Calcium, Total	10.9		mg/l	0.100	0.0350	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Chromium, Total	ND		mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Cobalt, Total	0.0030	J	mg/l	0.0200	0.0017	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Copper, Total	0.0048	J	mg/l	0.0100	0.0022	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Iron, Total	0.174		mg/l	0.0500	0.0090	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Magnesium, Total	1.84		mg/l	0.100	0.0153	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Manganese, Total	0.0111		mg/l	0.0100	0.0016	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/31/22 09:49	10/31/22 19:52	EPA 7470A	1,7470A	ZK
Nickel, Total	0.0052	J	mg/l	0.0250	0.0024	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Potassium, Total	18.2		mg/l	2.50	0.237	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Sodium, Total	173.		mg/l	2.00	0.120	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Thallium, Total	ND		mg/l	0.0200	0.0025	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Zinc, Total	0.0107	J	mg/l	0.0500	0.0021	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-06 Date Collected: 10/24/22 14:45

Client ID: MW-15D Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Arsenic, Dissolved	0.0025	J	mg/l	0.0050	0.0019	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Barium, Dissolved	0.0491		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Calcium, Dissolved	2.03		mg/l	0.100	0.0350	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Cobalt, Dissolved	0.0023	J	mg/l	0.0200	0.0017	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Copper, Dissolved	0.0048	J	mg/l	0.0100	0.0022	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Iron, Dissolved	0.0212	J	mg/l	0.0500	0.0090	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Magnesium, Dissolved	1.52		mg/l	0.100	0.0153	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Manganese, Dissolved	0.0016	J	mg/l	0.0100	0.0016	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/22 13:19	11/09/22 11:06	EPA 7470A	1,7470A	ZK
Nickel, Dissolved	0.0048	J	mg/l	0.0250	0.0024	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Potassium, Dissolved	16.9		mg/l	2.50	0.237	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Sodium, Dissolved	165.		mg/l	2.00	0.120	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Zinc, Dissolved	0.0039	J	mg/l	0.0500	0.0021	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-07 Date Collected: 10/25/22 12:10

Client ID: RW 2094 Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Dw

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Antimony, Total	ND		mg/l	0.0040	0.0004	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Arsenic, Total	0.0009	J	mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Barium, Total	2.562		mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Beryllium, Total	ND		mg/l	0.0010	0.0001	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Calcium, Total	30.2		mg/l	0.100	0.0350	1	11/03/22 18:11	11/07/22 19:44	EPA 3005A	19,200.7	GCL
Chromium, Total	0.0006	J	mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Copper, Total	0.0053		mg/l	0.0010	0.0004	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Iron, Total	0.166		mg/l	0.0500	0.0090	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Lead, Total	ND		mg/l	0.0010	0.0003	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Magnesium, Total	6.05		mg/l	0.100	0.0153	1	11/03/22 18:11	11/07/22 19:44	EPA 3005A	19,200.7	GCL
Manganese, Total	0.0526		mg/l	0.0100	0.0016	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Mercury, Total	ND		mg/l	0.0002	0.0001	1	11/03/22 18:34	11/04/22 18:29	EPA 245.1	3,245.1	DJR
Nickel, Total	ND		mg/l	0.0020	0.0006	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Potassium, Total	2.69		mg/l	2.50	0.237	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Selenium, Total	0.0027	J	mg/l	0.0050	0.0017	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Silver, Total	ND		mg/l	0.0004	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Sodium, Total	225.		mg/l	2.00	0.120	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Thallium, Total	ND		mg/l	0.0010	0.0001	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Vanadium, Total	ND		mg/l	0.0050	0.0016	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Zinc, Total	0.0058	J	mg/l	0.0100	0.0034	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05 Batch: WG1705371-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Antimony, Total	ND		mg/l	0.0500	0.0071	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Barium, Total	ND		mg/l	0.0100	0.0021	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Calcium, Total	0.0403	J	mg/l	0.100	0.0350	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Chromium, Total	ND		mg/l	0.0100	0.0021	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Copper, Total	ND		mg/l	0.0100	0.0022	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Iron, Total	ND		mg/l	0.0500	0.0090	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Magnesium, Total	ND		mg/l	0.100	0.0153	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Manganese, Total	ND		mg/l	0.0100	0.0016	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Nickel, Total	ND		mg/l	0.0250	0.0024	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Potassium, Total	ND		mg/l	2.50	0.237	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Sodium, Total	ND		mg/l	2.00	0.120	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Thallium, Total	ND		mg/l	0.0200	0.0025	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Zinc, Total	0.0027	J	mg/l	0.0500	0.0021	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02,04,06 Batch: WG1705427-1										
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

Method Blank Analysis
Batch Quality Control

Barium, Dissolved	ND		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Calcium, Dissolved	ND		mg/l	0.100	0.0350	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Iron, Dissolved	0.0174	J	mg/l	0.0500	0.0090	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Magnesium, Dissolved	ND		mg/l	0.100	0.0153	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Potassium, Dissolved	ND		mg/l	2.50	0.237	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Sodium, Dissolved	ND		mg/l	2.00	0.120	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Zinc, Dissolved	ND		mg/l	0.0500	0.0021	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05 Batch: WG1705887-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/31/22 09:49	10/31/22 19:33	1,7470A	ZK

Prep Information

Digestion Method: EPA 7470A

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02,04,06 Batch: WG1706312-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/22 13:19	11/09/22 10:46	1,7470A	ZK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1706322-1										
Antimony, Total	ND		mg/l	0.0040	0.0004	1	11/03/22 18:11	11/09/22 12:01	3,200.8	EGW
Arsenic, Total	ND		mg/l	0.0010	0.0002	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Barium, Total	ND		mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:01	3,200.8	EGW
Beryllium, Total	ND		mg/l	0.0010	0.0001	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Chromium, Total	0.0002	J	mg/l	0.0010	0.0002	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Copper, Total	ND		mg/l	0.0010	0.0004	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Lead, Total	ND		mg/l	0.0010	0.0003	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Nickel, Total	ND		mg/l	0.0020	0.0006	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Selenium, Total	ND		mg/l	0.0050	0.0017	1	11/03/22 18:11	11/09/22 12:01	3,200.8	EGW
Silver, Total	ND		mg/l	0.0004	0.0002	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Thallium, Total	ND		mg/l	0.0010	0.0001	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Vanadium, Total	ND		mg/l	0.0050	0.0016	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Zinc, Total	ND		mg/l	0.0100	0.0034	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1706324-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB
Calcium, Total	ND		mg/l	0.100	0.0350	1	11/03/22 18:11	11/07/22 19:27	19,200.7	GCL

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

Method Blank Analysis
Batch Quality Control

Cobalt, Total	ND	mg/l	0.0200	0.0017	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB
Iron, Total	ND	mg/l	0.0500	0.0090	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB
Magnesium, Total	ND	mg/l	0.100	0.0153	1	11/03/22 18:11	11/07/22 19:27	19,200.7	GCL
Manganese, Total	ND	mg/l	0.0100	0.0016	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB
Potassium, Total	ND	mg/l	2.50	0.237	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB
Sodium, Total	ND	mg/l	2.00	0.120	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1706326-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	11/03/22 18:34	11/04/22 18:12	3,245.1	DJR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1705371-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	94		-		80-120	-		
Arsenic, Total	104		-		80-120	-		
Barium, Total	93		-		80-120	-		
Beryllium, Total	97		-		80-120	-		
Cadmium, Total	100		-		80-120	-		
Calcium, Total	99		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Cobalt, Total	94		-		80-120	-		
Copper, Total	98		-		80-120	-		
Iron, Total	98		-		80-120	-		
Lead, Total	95		-		80-120	-		
Magnesium, Total	98		-		80-120	-		
Manganese, Total	93		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	99		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	96		-		80-120	-		
Sodium, Total	99		-		80-120	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	101		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1705371-2					
Zinc, Total	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 Batch: WG1705427-2					
Aluminum, Dissolved	92	-	80-120	-	
Antimony, Dissolved	95	-	80-120	-	
Arsenic, Dissolved	104	-	80-120	-	
Barium, Dissolved	92	-	80-120	-	
Beryllium, Dissolved	96	-	80-120	-	
Cadmium, Dissolved	101	-	80-120	-	
Calcium, Dissolved	96	-	80-120	-	
Chromium, Dissolved	92	-	80-120	-	
Cobalt, Dissolved	89	-	80-120	-	
Copper, Dissolved	92	-	80-120	-	
Iron, Dissolved	94	-	80-120	-	
Lead, Dissolved	95	-	80-120	-	
Magnesium, Dissolved	98	-	80-120	-	
Manganese, Dissolved	92	-	80-120	-	
Nickel, Dissolved	91	-	80-120	-	
Potassium, Dissolved	97	-	80-120	-	
Selenium, Dissolved	102	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Sodium, Dissolved	97	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Vanadium, Dissolved	93	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 Batch: WG1705427-2					
Zinc, Dissolved	93	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1705887-2					
Mercury, Total	90	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 Batch: WG1706312-2					
Mercury, Dissolved	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1706322-2					
Antimony, Total	99	-	85-115	-	
Arsenic, Total	105	-	85-115	-	
Barium, Total	113	-	85-115	-	
Beryllium, Total	100	-	85-115	-	
Cadmium, Total	96	-	85-115	-	
Chromium, Total	93	-	85-115	-	
Copper, Total	90	-	85-115	-	
Lead, Total	97	-	85-115	-	
Nickel, Total	88	-	85-115	-	
Selenium, Total	102	-	85-115	-	
Silver, Total	96	-	85-115	-	
Thallium, Total	97	-	85-115	-	
Vanadium, Total	91	-	85-115	-	
Zinc, Total	95	-	85-115	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1706324-2					
Aluminum, Total	99	-	85-115	-	
Calcium, Total	105	-	85-115	-	
Cobalt, Total	91	-	85-115	-	
Iron, Total	95	-	85-115	-	
Magnesium, Total	105	-	85-115	-	
Manganese, Total	88	-	85-115	-	
Potassium, Total	98	-	85-115	-	
Sodium, Total	97	-	85-115	-	
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1706326-2					
Mercury, Total	100	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1705371-3 QC Sample: L2260048-01 Client ID: MS Sample												
Aluminum, Total	3.26	2	5.82	**128**	Q	-	-		75-125	-		20
Antimony, Total	ND	0.5	0.279	**56**	Q	-	-		75-125	-		20
Arsenic, Total	0.007	0.12	0.129	102		-	-		75-125	-		20
Barium, Total	0.082	2	1.96	94		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.0497	99		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.0531	100		-	-		75-125	-		20
Calcium, Total	91.1	10	98.7	76		-	-		75-125	-		20
Chromium, Total	0.006J	0.2	0.192	96		-	-		75-125	-		20
Cobalt, Total	0.003J	0.5	0.465	93		-	-		75-125	-		20
Copper, Total	0.010J	0.25	0.254	102		-	-		75-125	-		20
Iron, Total	7.21	1	7.54	**33**	Q	-	-		75-125	-		20
Lead, Total	0.015	0.53	0.513	94		-	-		75-125	-		20
Magnesium, Total	27.3	10	35.9	86		-	-		75-125	-		20
Manganese, Total	0.162	0.5	0.621	92		-	-		75-125	-		20
Nickel, Total	0.006J	0.5	0.482	96		-	-		75-125	-		20
Potassium, Total	1.26J	10	11.6	116		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.122	102		-	-		75-125	-		20
Silver, Total	ND	0.05	0.0478	96		-	-		75-125	-		20
Sodium, Total	48.3	10	58.2	99		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.119	99		-	-		75-125	-		20
Vanadium, Total	0.004J	0.5	0.509	102		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1705371-3 QC Sample: L2260048-01 Client ID: MS Sample									
Zinc, Total	0.101	0.5	0.590	98	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1705427-3 QC Sample: L2259862-02 Client ID: MW-4D									
Aluminum, Dissolved	ND	2	1.83	92	-	-	75-125	-	20
Antimony, Dissolved	ND	0.5	0.491	98	-	-	75-125	-	20
Arsenic, Dissolved	0.0022J	0.12	0.129	108	-	-	75-125	-	20
Barium, Dissolved	0.192	2	2.01	91	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.0475	95	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.053	0.0523	99	-	-	75-125	-	20
Calcium, Dissolved	98.7	10	108	93	-	-	75-125	-	20
Chromium, Dissolved	ND	0.2	0.183	92	-	-	75-125	-	20
Cobalt, Dissolved	ND	0.5	0.431	86	-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.233	93	-	-	75-125	-	20
Iron, Dissolved	0.0149J	1	0.931	93	-	-	75-125	-	20
Lead, Dissolved	ND	0.53	0.485	92	-	-	75-125	-	20
Magnesium, Dissolved	20.7	10	30.3	96	-	-	75-125	-	20
Manganese, Dissolved	0.869	0.5	1.30	86	-	-	75-125	-	20
Nickel, Dissolved	ND	0.5	0.435	87	-	-	75-125	-	20
Potassium, Dissolved	2.46J	10	12.2	122	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.123	102	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.0504	101	-	-	75-125	-	20
Sodium, Dissolved	24.1	10	34.0	99	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.114	95	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.467	93	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1705427-3 QC Sample: L2259862-02 Client ID: MW-4D									
Zinc, Dissolved	0.0021J	0.5	0.459	92	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1705887-3 QC Sample: L2259862-03 Client ID: MW-10S									
Mercury, Total	ND	0.005	0.00499	100	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1706312-3 QC Sample: L2259862-02 Client ID: MW-4D									
Mercury, Dissolved	ND	0.005	0.00510	102	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706322-3 QC Sample: L2259495-01 Client ID: MS Sample									
Antimony, Total	0.0012J	0.5	0.4338	87	-	-	70-130	-	20
Arsenic, Total	0.0009J	0.12	0.1259	105	-	-	70-130	-	20
Barium, Total	0.0155	2	2.004	99	-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0476	95	-	-	70-130	-	20
Cadmium, Total	ND	0.053	0.0491	93	-	-	70-130	-	20
Chromium, Total	0.0002J	0.2	0.1777	89	-	-	70-130	-	20
Copper, Total	0.0192	0.25	0.2297	84	-	-	70-130	-	20
Lead, Total	0.0026	0.53	0.5049	95	-	-	70-130	-	20
Nickel, Total	0.0008J	0.5	0.4163	83	-	-	70-130	-	20
Selenium, Total	ND	0.12	0.1334	111	-	-	70-130	-	20
Silver, Total	ND	0.05	0.0472	94	-	-	70-130	-	20
Thallium, Total	ND	0.12	0.1156	96	-	-	70-130	-	20
Vanadium, Total	0.0027J	0.5	0.4367	87	-	-	70-130	-	20
Zinc, Total	0.0774	0.5	0.4960	84	-	-	70-130	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706322-5 QC Sample: L2259862-07 Client ID: RW 2094									
Antimony, Total	ND	0.5	0.5093	102	-	-	70-130	-	20
Arsenic, Total	0.0009J	0.12	0.1290	108	-	-	70-130	-	20
Barium, Total	2.562	2	5.030	123	-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0508	102	-	-	70-130	-	20
Cadmium, Total	ND	0.053	0.0568	107	-	-	70-130	-	20
Chromium, Total	0.0006J	0.2	0.2050	102	-	-	70-130	-	20
Copper, Total	0.0053	0.25	0.2616	102	-	-	70-130	-	20
Lead, Total	ND	0.53	0.5079	96	-	-	70-130	-	20
Nickel, Total	ND	0.5	0.4972	99	-	-	70-130	-	20
Selenium, Total	0.0027J	0.12	0.1297	108	-	-	70-130	-	20
Silver, Total	ND	0.05	0.0498	100	-	-	70-130	-	20
Thallium, Total	ND	0.12	0.0990	82	-	-	70-130	-	20
Vanadium, Total	ND	0.5	0.5156	103	-	-	70-130	-	20
Zinc, Total	0.0058J	0.5	0.4915	98	-	-	70-130	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-3 QC Sample: L2259495-01 Client ID: MS Sample										
Aluminum, Total	ND	2	2.06	103		-	-	75-125	-	20
Calcium, Total	58.9	10	68.6	97		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.444	89		-	-	75-125	-	20
Iron, Total	0.0168J	1	0.999	100		-	-	75-125	-	20
Magnesium, Total	8.78	10	18.9	101		-	-	75-125	-	20
Manganese, Total	0.003J	0.5	0.458	92		-	-	75-125	-	20
Potassium, Total	3.71	10	14.0	103		-	-	75-125	-	20
Sodium, Total	68.4	10	79.3	109		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-7 QC Sample: L2259862-07 Client ID: RW 2094										
Aluminum, Total	ND	2	1.94	97		-	-	75-125	-	20
Calcium, Total	30.2	10	40.7	105		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.446	89		-	-	75-125	-	20
Iron, Total	0.166	1	1.09	92		-	-	75-125	-	20
Magnesium, Total	6.05	10	16.4	104		-	-	75-125	-	20
Manganese, Total	0.0526	0.5	0.474	84		-	-	75-125	-	20
Potassium, Total	2.69	10	12.4	97		-	-	75-125	-	20
Sodium, Total	225.	10	221	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706326-3 QC Sample: L2260165-01 Client ID: MS Sample										
Mercury, Total	ND	0.005	0.0050	99		-	-	70-130	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1705371-4 QC Sample: L2260048-01 Client ID: DUP Sample						
Calcium, Total	91.1	88.8	mg/l	3		20
Magnesium, Total	27.3	26.2	mg/l	4		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1705427-4 QC Sample: L2259862-02 Client ID: MW-4D					
Aluminum, Dissolved	ND	ND	mg/l	NC	20
Antimony, Dissolved	ND	ND	mg/l	NC	20
Arsenic, Dissolved	0.0022J	0.0025J	mg/l	NC	20
Barium, Dissolved	0.192	0.186	mg/l	3	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	98.7	95.2	mg/l	4	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Cobalt, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	0.0149J	0.0147J	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	20.7	20.1	mg/l	3	20
Manganese, Dissolved	0.869	0.834	mg/l	4	20
Nickel, Dissolved	ND	ND	mg/l	NC	20
Potassium, Dissolved	2.46J	2.39J	mg/l	NC	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	24.1	23.4	mg/l	3	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1705427-4 QC Sample: L2259862-02 Client ID: MW-4D					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.0021J	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1705887-4 QC Sample: L2259862-03 Client ID: MW-10S					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1706312-4 QC Sample: L2259862-02 Client ID: MW-4D					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706322-6 QC Sample: L2259862-07 Client ID: RW 2094					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.0009J	0.0008J	mg/l	NC	20
Barium, Total	2.562	2.572	mg/l	0	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	0.0006J	0.0008J	mg/l	NC	20
Copper, Total	0.0053	0.0053	mg/l	0	20
Lead, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Selenium, Total	0.0027J	0.0025J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.0058J	0.0052J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-4 QC Sample: L2259495-01 Client ID: DUP Sample					
Iron, Total	0.0168J	0.0151J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-4 QC Sample: L2259495-01 Client ID: DUP Sample					
Calcium, Total	58.9	59.3	mg/l	1	20
Magnesium, Total	8.78	8.79	mg/l	0	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-8 QC Sample: L2259862-07 Client ID: RW 2094					
Aluminum, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Iron, Total	0.166	0.169	mg/l	2	20
Manganese, Total	0.0526	0.0534	mg/l	2	20
Potassium, Total	2.69	2.72	mg/l	1	20
Sodium, Total	225.	224	mg/l	0	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-8 QC Sample: L2259862-07 Client ID: RW 2094					
Calcium, Total	30.2	30.2	mg/l	0	20
Magnesium, Total	6.05	6.15	mg/l	2	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706326-4 QC Sample: L2260165-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2259862-01A	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2259862-02A	Plastic 250ml HNO3 preserved	A	3	<2	2.5	N	Absent		PB-SI(180),TL-SI(180),FE-SI(180),BA-SI(180),CU-SI(180),MN-SI(180),NI-SI(180),AG-SI(180),AS-SI(180),NA-SI(180),AL-SI(180),BE-SI(180),CO-SI(180),CD-SI(180),CR-SI(180),SB-SI(180),K-SI(180),MG-SI(180),ZN-SI(180),HG-S(28),CA-SI(180),SE-SI(180),V-SI(180)
L2259862-03A	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2259862-04A	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),MN-SI(180),NA-SI(180),CU-SI(180),NI-SI(180),CO-SI(180),AL-SI(180),CD-SI(180),BE-SI(180),K-SI(180),CR-SI(180),MG-SI(180),SB-SI(180),V-SI(180),CA-SI(180),SE-SI(180),HG-S(28),ZN-SI(180)
L2259862-05A	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2259862-06A	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),NI-SI(180),AS-SI(180),MN-SI(180),NA-SI(180),AG-SI(180),CU-SI(180),AL-SI(180),BE-SI(180),CO-SI(180),CD-SI(180),SB-SI(180),K-SI(180),MG-SI(180),CR-SI(180),ZN-SI(180),HG-S(28),V-SI(180),CA-SI(180),SE-SI(180)

*Values in parentheses indicate holding time in days

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2259862-07A	Plastic 250ml HNO3 preserved	A	4	<2	2.5	N	Absent		CD-2008T(180),NI-2008T(180),CA-UI(180),BE-2008T(180),K-UI(180),CO-UI(180),ZN-2008T(180),MG-UI(180),V-2008T(180),CU-2008T(180),FE-UI(180),SE-2008T(180),HG-U(28),AG-2008T(180),AS-2008T(180),AL-UI(180),MN-UI(180),BA-2008T(180),NA-UI(180),SB-2008T(180),CR-2008T(180),PB-2008T(180),TL-2008T(180)

*Values in parentheses indicate holding time in days

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA

NEW YORK CHAIN OF CUSTODY

Page of

Date Rec'd in Lab

ALPHA Job #

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Westborough, MA 01581
8 Walkup Dr.
TEL 508-898-9220
FAX 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL 508-822-9300
FAX 508-822-3288

Client Information

Client: Mark Saunders
Address:
Phone:
Fax:
Email: Mark.D.Saunders@WSP.com

Project Information

Project Name: Corning Edward Allen Landfill
Project Location:
Project # B2101342.0006.1.5
(Use Project name as Project #) ☐
Project Manager: Mark Saunders
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

6010B/7470A

Sample Filtration

☒ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	6010B/7470A	Sample Specific Comments	Total Bottle
	MW-4D	10/24/22	1715	MW	WXD	1		1
	MW-4D	10/24/22	1715	MW	WXD	1	field filtered	1
	MW-10S	10/25/22	1040	MW	WXD	1		1
	MW-10S	10/25/22	1040	MW	WXD	1	field filtered	1
	MW-15D	10/24/22	1445	MW	WXD	1		1
	MW-15D	10/24/22	1445	MW	WXD	1	field filtered	1
	RW 2094	10/25/22	1210	DW	WXD	1		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type: P
Preservative: C

Relinquished By:	Date/Time	Received By:	Date/Time
Will Dolan Will	10/26/22 1040	AHL	10/26/22 1040

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2259862
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Mark Saunders
Phone:	(716) 204-5880
Project Name:	CORNING EDWARD ALLEN LANDFILL
Project Number:	B2101342.006.1.5
Report Date:	11/09/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2259862-01	MW-4D	WATER	Not Specified	10/24/22 17:15	10/26/22
L2259862-02	MW-4D	WATER	Not Specified	10/24/22 17:15	10/26/22
L2259862-03	MW-10S	WATER	Not Specified	10/25/22 10:40	10/26/22
L2259862-04	MW-10S	WATER	Not Specified	10/25/22 10:40	10/26/22
L2259862-05	MW-15D	WATER	Not Specified	10/24/22 14:45	10/26/22
L2259862-06	MW-15D	WATER	Not Specified	10/24/22 14:45	10/26/22
L2259862-07	RW 2094	DW	Not Specified	10/25/22 12:10	10/26/22

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2259862-02: The sample was received above the appropriate pH for the Dissolved Metals analysis. The laboratory added additional HNO3 to a pH <2.

L2259862-07: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

Total Metals

The WG1706324-7 MS recovery for sodium (0%), performed on L2259862-07, does not apply because the sample concentration is greater than four times the spike amount added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 11/09/22

METALS

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-01 Date Collected: 10/24/22 17:15

Client ID: MW-4D Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.200		mg/l	0.100	0.0318	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Antimony, Total	ND		mg/l	0.0500	0.0071	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Arsenic, Total	0.0119		mg/l	0.0050	0.0019	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Barium, Total	0.437		mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Calcium, Total	111.		mg/l	0.100	0.0350	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Chromium, Total	ND		mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Cobalt, Total	0.0017	J	mg/l	0.0200	0.0017	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Copper, Total	ND		mg/l	0.0100	0.0022	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Iron, Total	13.0		mg/l	0.0500	0.0090	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Magnesium, Total	22.0		mg/l	0.100	0.0153	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Manganese, Total	5.70		mg/l	0.0100	0.0016	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/31/22 09:49	10/31/22 19:49	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.0250	0.0024	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Potassium, Total	2.71		mg/l	2.50	0.237	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Sodium, Total	26.4		mg/l	2.00	0.120	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Thallium, Total	ND		mg/l	0.0200	0.0025	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB
Zinc, Total	0.0032	J	mg/l	0.0500	0.0021	1	10/29/22 01:20	11/02/22 21:21	EPA 3005A	1,6010D	NTB

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-02 Date Collected: 10/24/22 17:15

Client ID: MW-4D Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Arsenic, Dissolved	0.0022	J	mg/l	0.0050	0.0019	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Barium, Dissolved	0.192		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Calcium, Dissolved	98.7		mg/l	0.100	0.0350	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Iron, Dissolved	0.0149	J	mg/l	0.0500	0.0090	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Magnesium, Dissolved	20.7		mg/l	0.100	0.0153	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Manganese, Dissolved	0.869		mg/l	0.0100	0.0016	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/22 13:19	11/09/22 10:52	EPA 7470A	1,7470A	ZK
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Potassium, Dissolved	2.46	J	mg/l	2.50	0.237	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Sodium, Dissolved	24.1		mg/l	2.00	0.120	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC
Zinc, Dissolved	0.0021	J	mg/l	0.0500	0.0021	1	10/29/22 18:30	11/02/22 21:46	EPA 3005A	1,6010D	MC

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-03 Date Collected: 10/25/22 10:40

Client ID: MW-10S Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.88		mg/l	0.100	0.0318	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Antimony, Total	ND		mg/l	0.0500	0.0071	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Barium, Total	0.0728		mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Calcium, Total	46.8		mg/l	0.100	0.0350	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Chromium, Total	0.0055	J	mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Copper, Total	0.0035	J	mg/l	0.0100	0.0022	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Iron, Total	3.70		mg/l	0.0500	0.0090	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Magnesium, Total	8.32		mg/l	0.100	0.0153	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Manganese, Total	1.20		mg/l	0.0100	0.0016	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/31/22 09:49	10/31/22 19:39	EPA 7470A	1,7470A	ZK
Nickel, Total	0.0032	J	mg/l	0.0250	0.0024	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Potassium, Total	2.34	J	mg/l	2.50	0.237	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Sodium, Total	15.0		mg/l	2.00	0.120	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Thallium, Total	ND		mg/l	0.0200	0.0025	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Vanadium, Total	0.0029	J	mg/l	0.0100	0.0020	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB
Zinc, Total	0.0122	J	mg/l	0.0500	0.0021	1	10/29/22 01:20	11/02/22 21:24	EPA 3005A	1,6010D	NTB

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-04 Date Collected: 10/25/22 10:40

Client ID: MW-10S Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Arsenic, Dissolved	0.0028	J	mg/l	0.0050	0.0019	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Barium, Dissolved	0.0388		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Calcium, Dissolved	43.6		mg/l	0.100	0.0350	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Iron, Dissolved	0.0142	J	mg/l	0.0500	0.0090	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Magnesium, Dissolved	7.52		mg/l	0.100	0.0153	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Manganese, Dissolved	0.0269		mg/l	0.0100	0.0016	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/22 13:19	11/09/22 11:02	EPA 7470A	1,7470A	ZK
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Potassium, Dissolved	1.94	J	mg/l	2.50	0.237	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Sodium, Dissolved	14.2		mg/l	2.00	0.120	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC
Zinc, Dissolved	0.0021	J	mg/l	0.0500	0.0021	1	10/29/22 18:30	11/02/22 21:31	EPA 3005A	1,6010D	MC

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-05 Date Collected: 10/24/22 14:45

Client ID: MW-15D Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.127		mg/l	0.100	0.0318	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Antimony, Total	ND		mg/l	0.0500	0.0071	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Barium, Total	0.130		mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Calcium, Total	10.9		mg/l	0.100	0.0350	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Chromium, Total	ND		mg/l	0.0100	0.0021	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Cobalt, Total	0.0030	J	mg/l	0.0200	0.0017	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Copper, Total	0.0048	J	mg/l	0.0100	0.0022	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Iron, Total	0.174		mg/l	0.0500	0.0090	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Magnesium, Total	1.84		mg/l	0.100	0.0153	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Manganese, Total	0.0111		mg/l	0.0100	0.0016	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/31/22 09:49	10/31/22 19:52	EPA 7470A	1,7470A	ZK
Nickel, Total	0.0052	J	mg/l	0.0250	0.0024	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Potassium, Total	18.2		mg/l	2.50	0.237	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Sodium, Total	173.		mg/l	2.00	0.120	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Thallium, Total	ND		mg/l	0.0200	0.0025	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB
Zinc, Total	0.0107	J	mg/l	0.0500	0.0021	1	10/29/22 01:20	11/02/22 21:27	EPA 3005A	1,6010D	NTB

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-06 Date Collected: 10/24/22 14:45

Client ID: MW-15D Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Arsenic, Dissolved	0.0025	J	mg/l	0.0050	0.0019	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Barium, Dissolved	0.0491		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Calcium, Dissolved	2.03		mg/l	0.100	0.0350	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Cobalt, Dissolved	0.0023	J	mg/l	0.0200	0.0017	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Copper, Dissolved	0.0048	J	mg/l	0.0100	0.0022	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Iron, Dissolved	0.0212	J	mg/l	0.0500	0.0090	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Magnesium, Dissolved	1.52		mg/l	0.100	0.0153	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Manganese, Dissolved	0.0016	J	mg/l	0.0100	0.0016	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/22 13:19	11/09/22 11:06	EPA 7470A	1,7470A	ZK
Nickel, Dissolved	0.0048	J	mg/l	0.0250	0.0024	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Potassium, Dissolved	16.9		mg/l	2.50	0.237	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Sodium, Dissolved	165.		mg/l	2.00	0.120	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC
Zinc, Dissolved	0.0039	J	mg/l	0.0500	0.0021	1	10/29/22 18:30	11/02/22 21:36	EPA 3005A	1,6010D	MC

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-07 Date Collected: 10/25/22 12:10

Client ID: RW 2094 Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Dw

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Antimony, Total	ND		mg/l	0.0040	0.0004	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Arsenic, Total	0.0009	J	mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Barium, Total	2.562		mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Beryllium, Total	ND		mg/l	0.0010	0.0001	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Calcium, Total	30.2		mg/l	0.100	0.0350	1	11/03/22 18:11	11/07/22 19:44	EPA 3005A	19,200.7	GCL
Chromium, Total	0.0006	J	mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Copper, Total	0.0053		mg/l	0.0010	0.0004	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Iron, Total	0.166		mg/l	0.0500	0.0090	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Lead, Total	ND		mg/l	0.0010	0.0003	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Magnesium, Total	6.05		mg/l	0.100	0.0153	1	11/03/22 18:11	11/07/22 19:44	EPA 3005A	19,200.7	GCL
Manganese, Total	0.0526		mg/l	0.0100	0.0016	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Mercury, Total	ND		mg/l	0.0002	0.0001	1	11/03/22 18:34	11/04/22 18:29	EPA 245.1	3,245.1	DJR
Nickel, Total	ND		mg/l	0.0020	0.0006	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Potassium, Total	2.69		mg/l	2.50	0.237	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Selenium, Total	0.0027	J	mg/l	0.0050	0.0017	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Silver, Total	ND		mg/l	0.0004	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Sodium, Total	225.		mg/l	2.00	0.120	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Thallium, Total	ND		mg/l	0.0010	0.0001	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Vanadium, Total	ND		mg/l	0.0050	0.0016	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Zinc, Total	0.0058	J	mg/l	0.0100	0.0034	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05 Batch: WG1705371-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Antimony, Total	ND		mg/l	0.0500	0.0071	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Barium, Total	ND		mg/l	0.0100	0.0021	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Calcium, Total	0.0403	J	mg/l	0.100	0.0350	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Chromium, Total	ND		mg/l	0.0100	0.0021	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Copper, Total	ND		mg/l	0.0100	0.0022	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Iron, Total	ND		mg/l	0.0500	0.0090	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Magnesium, Total	ND		mg/l	0.100	0.0153	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Manganese, Total	ND		mg/l	0.0100	0.0016	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Nickel, Total	ND		mg/l	0.0250	0.0024	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Potassium, Total	ND		mg/l	2.50	0.237	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Sodium, Total	ND		mg/l	2.00	0.120	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Thallium, Total	ND		mg/l	0.0200	0.0025	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB
Zinc, Total	0.0027	J	mg/l	0.0500	0.0021	1	10/29/22 01:20	10/31/22 14:02	1,6010D	DMB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02,04,06 Batch: WG1705427-1										
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

Method Blank Analysis
Batch Quality Control

Barium, Dissolved	ND		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Calcium, Dissolved	ND		mg/l	0.100	0.0350	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Iron, Dissolved	0.0174	J	mg/l	0.0500	0.0090	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Magnesium, Dissolved	ND		mg/l	0.100	0.0153	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Potassium, Dissolved	ND		mg/l	2.50	0.237	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Sodium, Dissolved	ND		mg/l	2.00	0.120	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC
Zinc, Dissolved	ND		mg/l	0.0500	0.0021	1	10/29/22 18:30	11/02/22 21:21	1,6010D	MC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05 Batch: WG1705887-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/31/22 09:49	10/31/22 19:33	1,7470A	ZK

Prep Information

Digestion Method: EPA 7470A

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02,04,06 Batch: WG1706312-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/22 13:19	11/09/22 10:46	1,7470A	ZK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1706322-1										
Antimony, Total	ND		mg/l	0.0040	0.0004	1	11/03/22 18:11	11/09/22 12:01	3,200.8	EGW
Arsenic, Total	ND		mg/l	0.0010	0.0002	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Barium, Total	ND		mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:01	3,200.8	EGW
Beryllium, Total	ND		mg/l	0.0010	0.0001	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Chromium, Total	0.0002	J	mg/l	0.0010	0.0002	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Copper, Total	ND		mg/l	0.0010	0.0004	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Lead, Total	ND		mg/l	0.0010	0.0003	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Nickel, Total	ND		mg/l	0.0020	0.0006	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Selenium, Total	ND		mg/l	0.0050	0.0017	1	11/03/22 18:11	11/09/22 12:01	3,200.8	EGW
Silver, Total	ND		mg/l	0.0004	0.0002	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Thallium, Total	ND		mg/l	0.0010	0.0001	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Vanadium, Total	ND		mg/l	0.0050	0.0016	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW
Zinc, Total	ND		mg/l	0.0100	0.0034	1	11/03/22 18:11	11/07/22 19:35	3,200.8	EGW

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1706324-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB
Calcium, Total	ND		mg/l	0.100	0.0350	1	11/03/22 18:11	11/07/22 19:27	19,200.7	GCL

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

Method Blank Analysis
Batch Quality Control

Cobalt, Total	ND	mg/l	0.0200	0.0017	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB
Iron, Total	ND	mg/l	0.0500	0.0090	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB
Magnesium, Total	ND	mg/l	0.100	0.0153	1	11/03/22 18:11	11/07/22 19:27	19,200.7	GCL
Manganese, Total	ND	mg/l	0.0100	0.0016	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB
Potassium, Total	ND	mg/l	2.50	0.237	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB
Sodium, Total	ND	mg/l	2.00	0.120	1	11/03/22 18:11	11/04/22 16:02	19,200.7	DMB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1706326-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	11/03/22 18:34	11/04/22 18:12	3,245.1	DJR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1705371-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	94		-		80-120	-		
Arsenic, Total	104		-		80-120	-		
Barium, Total	93		-		80-120	-		
Beryllium, Total	97		-		80-120	-		
Cadmium, Total	100		-		80-120	-		
Calcium, Total	99		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Cobalt, Total	94		-		80-120	-		
Copper, Total	98		-		80-120	-		
Iron, Total	98		-		80-120	-		
Lead, Total	95		-		80-120	-		
Magnesium, Total	98		-		80-120	-		
Manganese, Total	93		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	99		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	96		-		80-120	-		
Sodium, Total	99		-		80-120	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	101		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1705371-2					
Zinc, Total	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 Batch: WG1705427-2					
Aluminum, Dissolved	92	-	80-120	-	
Antimony, Dissolved	95	-	80-120	-	
Arsenic, Dissolved	104	-	80-120	-	
Barium, Dissolved	92	-	80-120	-	
Beryllium, Dissolved	96	-	80-120	-	
Cadmium, Dissolved	101	-	80-120	-	
Calcium, Dissolved	96	-	80-120	-	
Chromium, Dissolved	92	-	80-120	-	
Cobalt, Dissolved	89	-	80-120	-	
Copper, Dissolved	92	-	80-120	-	
Iron, Dissolved	94	-	80-120	-	
Lead, Dissolved	95	-	80-120	-	
Magnesium, Dissolved	98	-	80-120	-	
Manganese, Dissolved	92	-	80-120	-	
Nickel, Dissolved	91	-	80-120	-	
Potassium, Dissolved	97	-	80-120	-	
Selenium, Dissolved	102	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Sodium, Dissolved	97	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Vanadium, Dissolved	93	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 Batch: WG1705427-2					
Zinc, Dissolved	93	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1705887-2					
Mercury, Total	90	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 Batch: WG1706312-2					
Mercury, Dissolved	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1706322-2					
Antimony, Total	99	-	85-115	-	
Arsenic, Total	105	-	85-115	-	
Barium, Total	113	-	85-115	-	
Beryllium, Total	100	-	85-115	-	
Cadmium, Total	96	-	85-115	-	
Chromium, Total	93	-	85-115	-	
Copper, Total	90	-	85-115	-	
Lead, Total	97	-	85-115	-	
Nickel, Total	88	-	85-115	-	
Selenium, Total	102	-	85-115	-	
Silver, Total	96	-	85-115	-	
Thallium, Total	97	-	85-115	-	
Vanadium, Total	91	-	85-115	-	
Zinc, Total	95	-	85-115	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1706324-2					
Aluminum, Total	99	-	85-115	-	
Calcium, Total	105	-	85-115	-	
Cobalt, Total	91	-	85-115	-	
Iron, Total	95	-	85-115	-	
Magnesium, Total	105	-	85-115	-	
Manganese, Total	88	-	85-115	-	
Potassium, Total	98	-	85-115	-	
Sodium, Total	97	-	85-115	-	
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1706326-2					
Mercury, Total	100	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1705371-3 QC Sample: L2260048-01 Client ID: MS Sample												
Aluminum, Total	3.26	2	5.82	**128**	Q	-	-		75-125	-		20
Antimony, Total	ND	0.5	0.279	**56**	Q	-	-		75-125	-		20
Arsenic, Total	0.007	0.12	0.129	102		-	-		75-125	-		20
Barium, Total	0.082	2	1.96	94		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.0497	99		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.0531	100		-	-		75-125	-		20
Calcium, Total	91.1	10	98.7	76		-	-		75-125	-		20
Chromium, Total	0.006J	0.2	0.192	96		-	-		75-125	-		20
Cobalt, Total	0.003J	0.5	0.465	93		-	-		75-125	-		20
Copper, Total	0.010J	0.25	0.254	102		-	-		75-125	-		20
Iron, Total	7.21	1	7.54	**33**	Q	-	-		75-125	-		20
Lead, Total	0.015	0.53	0.513	94		-	-		75-125	-		20
Magnesium, Total	27.3	10	35.9	86		-	-		75-125	-		20
Manganese, Total	0.162	0.5	0.621	92		-	-		75-125	-		20
Nickel, Total	0.006J	0.5	0.482	96		-	-		75-125	-		20
Potassium, Total	1.26J	10	11.6	116		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.122	102		-	-		75-125	-		20
Silver, Total	ND	0.05	0.0478	96		-	-		75-125	-		20
Sodium, Total	48.3	10	58.2	99		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.119	99		-	-		75-125	-		20
Vanadium, Total	0.004J	0.5	0.509	102		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1705371-3 QC Sample: L2260048-01 Client ID: MS Sample									
Zinc, Total	0.101	0.5	0.590	98	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1705427-3 QC Sample: L2259862-02 Client ID: MW-4D									
Aluminum, Dissolved	ND	2	1.83	92	-	-	75-125	-	20
Antimony, Dissolved	ND	0.5	0.491	98	-	-	75-125	-	20
Arsenic, Dissolved	0.0022J	0.12	0.129	108	-	-	75-125	-	20
Barium, Dissolved	0.192	2	2.01	91	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.0475	95	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.053	0.0523	99	-	-	75-125	-	20
Calcium, Dissolved	98.7	10	108	93	-	-	75-125	-	20
Chromium, Dissolved	ND	0.2	0.183	92	-	-	75-125	-	20
Cobalt, Dissolved	ND	0.5	0.431	86	-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.233	93	-	-	75-125	-	20
Iron, Dissolved	0.0149J	1	0.931	93	-	-	75-125	-	20
Lead, Dissolved	ND	0.53	0.485	92	-	-	75-125	-	20
Magnesium, Dissolved	20.7	10	30.3	96	-	-	75-125	-	20
Manganese, Dissolved	0.869	0.5	1.30	86	-	-	75-125	-	20
Nickel, Dissolved	ND	0.5	0.435	87	-	-	75-125	-	20
Potassium, Dissolved	2.46J	10	12.2	122	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.123	102	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.0504	101	-	-	75-125	-	20
Sodium, Dissolved	24.1	10	34.0	99	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.114	95	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.467	93	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1705427-3 QC Sample: L2259862-02 Client ID: MW-4D									
Zinc, Dissolved	0.0021J	0.5	0.459	92	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1705887-3 QC Sample: L2259862-03 Client ID: MW-10S									
Mercury, Total	ND	0.005	0.00499	100	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1706312-3 QC Sample: L2259862-02 Client ID: MW-4D									
Mercury, Dissolved	ND	0.005	0.00510	102	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706322-3 QC Sample: L2259495-01 Client ID: MS Sample									
Antimony, Total	0.0012J	0.5	0.4338	87	-	-	70-130	-	20
Arsenic, Total	0.0009J	0.12	0.1259	105	-	-	70-130	-	20
Barium, Total	0.0155	2	2.004	99	-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0476	95	-	-	70-130	-	20
Cadmium, Total	ND	0.053	0.0491	93	-	-	70-130	-	20
Chromium, Total	0.0002J	0.2	0.1777	89	-	-	70-130	-	20
Copper, Total	0.0192	0.25	0.2297	84	-	-	70-130	-	20
Lead, Total	0.0026	0.53	0.5049	95	-	-	70-130	-	20
Nickel, Total	0.0008J	0.5	0.4163	83	-	-	70-130	-	20
Selenium, Total	ND	0.12	0.1334	111	-	-	70-130	-	20
Silver, Total	ND	0.05	0.0472	94	-	-	70-130	-	20
Thallium, Total	ND	0.12	0.1156	96	-	-	70-130	-	20
Vanadium, Total	0.0027J	0.5	0.4367	87	-	-	70-130	-	20
Zinc, Total	0.0774	0.5	0.4960	84	-	-	70-130	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706322-5 QC Sample: L2259862-07 Client ID: RW 2094									
Antimony, Total	ND	0.5	0.5093	102	-	-	70-130	-	20
Arsenic, Total	0.0009J	0.12	0.1290	108	-	-	70-130	-	20
Barium, Total	2.562	2	5.030	123	-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0508	102	-	-	70-130	-	20
Cadmium, Total	ND	0.053	0.0568	107	-	-	70-130	-	20
Chromium, Total	0.0006J	0.2	0.2050	102	-	-	70-130	-	20
Copper, Total	0.0053	0.25	0.2616	102	-	-	70-130	-	20
Lead, Total	ND	0.53	0.5079	96	-	-	70-130	-	20
Nickel, Total	ND	0.5	0.4972	99	-	-	70-130	-	20
Selenium, Total	0.0027J	0.12	0.1297	108	-	-	70-130	-	20
Silver, Total	ND	0.05	0.0498	100	-	-	70-130	-	20
Thallium, Total	ND	0.12	0.0990	82	-	-	70-130	-	20
Vanadium, Total	ND	0.5	0.5156	103	-	-	70-130	-	20
Zinc, Total	0.0058J	0.5	0.4915	98	-	-	70-130	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-3 QC Sample: L2259495-01 Client ID: MS Sample										
Aluminum, Total	ND	2	2.06	103		-	-	75-125	-	20
Calcium, Total	58.9	10	68.6	97		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.444	89		-	-	75-125	-	20
Iron, Total	0.0168J	1	0.999	100		-	-	75-125	-	20
Magnesium, Total	8.78	10	18.9	101		-	-	75-125	-	20
Manganese, Total	0.003J	0.5	0.458	92		-	-	75-125	-	20
Potassium, Total	3.71	10	14.0	103		-	-	75-125	-	20
Sodium, Total	68.4	10	79.3	109		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-7 QC Sample: L2259862-07 Client ID: RW 2094										
Aluminum, Total	ND	2	1.94	97		-	-	75-125	-	20
Calcium, Total	30.2	10	40.7	105		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.446	89		-	-	75-125	-	20
Iron, Total	0.166	1	1.09	92		-	-	75-125	-	20
Magnesium, Total	6.05	10	16.4	104		-	-	75-125	-	20
Manganese, Total	0.0526	0.5	0.474	84		-	-	75-125	-	20
Potassium, Total	2.69	10	12.4	97		-	-	75-125	-	20
Sodium, Total	225.	10	221	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706326-3 QC Sample: L2260165-01 Client ID: MS Sample										
Mercury, Total	ND	0.005	0.0050	99		-	-	70-130	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1705371-4 QC Sample: L2260048-01 Client ID: DUP Sample						
Calcium, Total	91.1	88.8	mg/l	3		20
Magnesium, Total	27.3	26.2	mg/l	4		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1705427-4 QC Sample: L2259862-02 Client ID: MW-4D					
Aluminum, Dissolved	ND	ND	mg/l	NC	20
Antimony, Dissolved	ND	ND	mg/l	NC	20
Arsenic, Dissolved	0.0022J	0.0025J	mg/l	NC	20
Barium, Dissolved	0.192	0.186	mg/l	3	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	98.7	95.2	mg/l	4	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Cobalt, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	0.0149J	0.0147J	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	20.7	20.1	mg/l	3	20
Manganese, Dissolved	0.869	0.834	mg/l	4	20
Nickel, Dissolved	ND	ND	mg/l	NC	20
Potassium, Dissolved	2.46J	2.39J	mg/l	NC	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	24.1	23.4	mg/l	3	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1705427-4 QC Sample: L2259862-02 Client ID: MW-4D					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.0021J	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1705887-4 QC Sample: L2259862-03 Client ID: MW-10S					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04,06 QC Batch ID: WG1706312-4 QC Sample: L2259862-02 Client ID: MW-4D					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706322-6 QC Sample: L2259862-07 Client ID: RW 2094					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.0009J	0.0008J	mg/l	NC	20
Barium, Total	2.562	2.572	mg/l	0	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	0.0006J	0.0008J	mg/l	NC	20
Copper, Total	0.0053	0.0053	mg/l	0	20
Lead, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Selenium, Total	0.0027J	0.0025J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.0058J	0.0052J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-4 QC Sample: L2259495-01 Client ID: DUP Sample					
Iron, Total	0.0168J	0.0151J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-4 QC Sample: L2259495-01 Client ID: DUP Sample					
Calcium, Total	58.9	59.3	mg/l	1	20
Magnesium, Total	8.78	8.79	mg/l	0	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-8 QC Sample: L2259862-07 Client ID: RW 2094					
Aluminum, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Iron, Total	0.166	0.169	mg/l	2	20
Manganese, Total	0.0526	0.0534	mg/l	2	20
Potassium, Total	2.69	2.72	mg/l	1	20
Sodium, Total	225.	224	mg/l	0	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-8 QC Sample: L2259862-07 Client ID: RW 2094					
Calcium, Total	30.2	30.2	mg/l	0	20
Magnesium, Total	6.05	6.15	mg/l	2	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706326-4 QC Sample: L2260165-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2259862-01A	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2259862-02A	Plastic 250ml HNO3 preserved	A	3	<2	2.5	N	Absent		PB-SI(180),TL-SI(180),FE-SI(180),BA-SI(180),CU-SI(180),MN-SI(180),NI-SI(180),AG-SI(180),AS-SI(180),NA-SI(180),AL-SI(180),BE-SI(180),CO-SI(180),CD-SI(180),CR-SI(180),SB-SI(180),K-SI(180),MG-SI(180),ZN-SI(180),HG-S(28),CA-SI(180),SE-SI(180),V-SI(180)
L2259862-03A	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2259862-04A	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),AG-SI(180),AS-SI(180),MN-SI(180),NA-SI(180),CU-SI(180),NI-SI(180),CO-SI(180),AL-SI(180),CD-SI(180),BE-SI(180),K-SI(180),CR-SI(180),MG-SI(180),SB-SI(180),V-SI(180),CA-SI(180),SE-SI(180),HG-S(28),ZN-SI(180)
L2259862-05A	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2259862-06A	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),NI-SI(180),AS-SI(180),MN-SI(180),NA-SI(180),AG-SI(180),CU-SI(180),AL-SI(180),BE-SI(180),CO-SI(180),CD-SI(180),SB-SI(180),K-SI(180),MG-SI(180),CR-SI(180),ZN-SI(180),HG-S(28),V-SI(180),CA-SI(180),SE-SI(180)

*Values in parentheses indicate holding time in days

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2259862-07A	Plastic 250ml HNO3 preserved	A	4	<2	2.5	N	Absent		CD-2008T(180),NI-2008T(180),CA-UI(180),BE-2008T(180),K-UI(180),CO-UI(180),ZN-2008T(180),MG-UI(180),V-2008T(180),CU-2008T(180),FE-UI(180),SE-2008T(180),HG-U(28),AG-2008T(180),AS-2008T(180),AL-UI(180),MN-UI(180),BA-2008T(180),NA-UI(180),SB-2008T(180),CR-2008T(180),PB-2008T(180),TL-2008T(180)

*Values in parentheses indicate holding time in days

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA

NEW YORK CHAIN OF CUSTODY

Page of

Date Rec'd in Lab

ALPHA Job #

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Westborough, MA 01581
8 Walkup Dr.
TEL 508-898-9220
FAX 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL 508-822-9300
FAX 508-822-3288

Client Information

Client: Mark Saunders
Address:
Phone:
Fax:
Email: Mark.D.Saunders@WSP.com

Project Information

Project Name: Corning Edward Allen Landfill
Project Location:
Project # B2101342.0006.1.5
(Use Project name as Project #) ☐
Project Manager: Mark Saunders
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

6010B/7470A

Sample Filtration

☒ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	6010B/7470A	Sample Specific Comments	Total Bottle
	MW-4D	10/24/22	1715	MW	WXD	1		1
	MW-4D	10/24/22	1715	MW	WXD	1	field filtered	1
	MW-10S	10/25/22	1040	MW	WXD	1		1
	MW-10S	10/25/22	1040	MW	WXD	1	field filtered	1
	MW-15D	10/24/22	1445	MW	WXD	1		1
	MW-15D	10/24/22	1445	MW	WXD	1	field filtered	1
	RW 2094	10/25/22	1210	DW	WXD	1		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type: P
Preservative: C

Relinquished By:	Date/Time	Received By:	Date/Time
Will Dolan Will	10/26/22 1040	AHL	10/26/22 1040

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX

D

Homeowner Transmittal Letters

February 15, 2023

Delivered Via Federal Express (Tracking Number: 7712 7610 7319)

Jesse Peckham
2047 Bailey Creek Road
Corning, New York 14830

Subject: 2022 Annual Well Water Sample Collection

Dear Mr. Peckham:

Over the past several years, annual well water samples have been collected at your property in association with the closure of the Edward Allen Landfill. As before, and in accordance with the long-term monitoring requirements for the Edward Allen Landfill, a copy of the well water sample results will be provided to you, to the New York State Department of Environmental Conservation (NYSDEC), and to the New York State Department of Health.

On September 19, 2022, representatives from WSP USA Inc (WSP) collected a water sample from the residential well at your property. We have enclosed the results of the well sampling performed at your property. The results of your well are shown on page 48 of 75 of the attached laboratory report.

We very much appreciate your continued cooperation with our monitoring activities. WSP will continue to provide the test results of future sampling events, until such time that monitoring at your property is no longer required by NYSDEC. Adam Morgan is the NYSDEC project manager for the Edward Allen Landfill and can be reached at (585) 226-5356 or at adam.morgan@dec.ny.gov .

Sincerely yours,

Mark Saunders
Senior Consultant, Project Manager
C 716 331-4966
mark.d.saunders@wsp.com

Craig Anderson
Practice Leader
C 612-877-0091
craig.anderson@wsp.com

Attachment: Laboratory Analytical Results

CC: NYSDEC, Division of Environmental Remediation, Adam Morgan

WSP USA
40 La Riviere Dr., Ste. 320
Buffalo, New York 14202

Tel.: 1 (716) 853-1220
wsp.com

ANALYTICAL REPORT

Lab Number:	L2250810
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Mark Saunders
Phone:	(716) 204-5880
Project Name:	CORNING EDWARDS ALLEN LANDFILL
Project Number:	B2101342.006.1.5
Report Date:	09/23/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

[redacted]

Total Metals

[redacted]

The WG1688870-3 MS recovery, performed on L2250810-17, is outside the acceptance criteria for potassium (127%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/23/22

METALS

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 09/23/22

SAMPLE RESULTS

Lab ID: L2250810-17 Date Collected: 09/14/22 14:12

Client ID: 2047 RW Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Dw

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.038	J	mg/l	0.100	0.032	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Antimony, Total	0.0007	J	mg/l	0.0040	0.0004	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Arsenic, Total	0.0012		mg/l	0.0010	0.0002	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Barium, Total	2.005		mg/l	0.0010	0.0002	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Beryllium, Total	ND		mg/l	0.0010	0.0001	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Calcium, Total	73.9		mg/l	0.100	0.035	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Chromium, Total	0.0006	J	mg/l	0.0010	0.0002	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Copper, Total	0.0103		mg/l	0.0010	0.0004	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Iron, Total	0.021	J	mg/l	0.050	0.009	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Lead, Total	ND		mg/l	0.0010	0.0003	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Magnesium, Total	14.1		mg/l	0.100	0.015	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Manganese, Total	0.158		mg/l	0.010	0.002	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Mercury, Total	0.0001	J	mg/l	0.0002	0.0001	1	09/19/22 15:10	09/19/22 21:11	EPA 245.1	3,245.1	ZK
Nickel, Total	0.0007	J	mg/l	0.0020	0.0006	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Potassium, Total	1.98	J	mg/l	2.50	0.237	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Selenium, Total	ND		mg/l	0.0050	0.0017	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Silver, Total	ND		mg/l	0.0004	0.0002	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Sodium, Total	71.9		mg/l	2.00	0.120	1	09/19/22 14:15	09/23/22 09:04	EPA 3005A	19,200.7	NB
Thallium, Total	ND		mg/l	0.0010	0.0001	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Vanadium, Total	ND		mg/l	0.0050	0.0016	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV
Zinc, Total	0.0398		mg/l	0.0100	0.0034	1	09/19/22 14:15	09/21/22 10:54	EPA 3005A	3,200.8	SV

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
[redacted]									
[redacted]									
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688867-3 QC Sample: L2250810-17 Client ID: 2047 RW									
Antimony, Total	0.0007J	0.5	0.4667	93	-	-	70-130	-	20
Arsenic, Total	0.0012	0.12	0.1224	101	-	-	70-130	-	20
Barium, Total	2.005	2	4.029	101	-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0513	102	-	-	70-130	-	20
Cadmium, Total	ND	0.053	0.0529	100	-	-	70-130	-	20
Chromium, Total	0.0006J	0.2	0.2036	102	-	-	70-130	-	20
Copper, Total	0.0103	0.25	0.2506	96	-	-	70-130	-	20
Lead, Total	ND	0.53	0.5426	102	-	-	70-130	-	20
Nickel, Total	0.0007J	0.5	0.4902	98	-	-	70-130	-	20
Selenium, Total	ND	0.12	0.1089	91	-	-	70-130	-	20
Silver, Total	ND	0.05	0.0575	115	-	-	70-130	-	20
Thallium, Total	ND	0.12	0.1251	104	-	-	70-130	-	20
Vanadium, Total	ND	0.5	0.5171	103	-	-	70-130	-	20
Zinc, Total	0.0398	0.5	0.5396	100	-	-	70-130	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688870-3 QC Sample: L2250810-17 Client ID: 2047 RW										
Aluminum, Total	0.038J	2	2.04	102		-	-	75-125	-	20
Calcium, Total	73.9	10	85.7	118		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.465	93		-	-	75-125	-	20
Iron, Total	0.021J	1	1.06	106		-	-	75-125	-	20
Magnesium, Total	14.1	10	24.4	103		-	-	75-125	-	20
Manganese, Total	0.158	0.5	0.648	98		-	-	75-125	-	20
Potassium, Total	1.98J	10	12.7	**127**	Q	-	-	75-125	-	20
Sodium, Total	71.9	10	84.2	123		-	-	75-125	-	20
[redacted]										

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 09/23/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688867-4 QC Sample: L2250810-17 Client ID: 2047 RW						
Antimony, Total	0.0007J	0.0012J	mg/l	NC		20
Arsenic, Total	0.0012	0.0008J	mg/l	NC		20
Barium, Total	2.005	2.078	mg/l	4		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.0006J	0.0004J	mg/l	NC		20
Copper, Total	0.0103	0.0104	mg/l	1		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.0007J	0.0011J	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.0398	0.0414	mg/l	4		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 09/23/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688870-4 QC Sample: L2250810-17 Client ID: 2047 RW					
Aluminum, Total	0.038J	ND	mg/l	NC	20
Calcium, Total	73.9	78.0	mg/l	5	20
Cobalt, Total	ND	ND	mg/l	NC	20
Iron, Total	0.021J	0.020J	mg/l	NC	20
Magnesium, Total	14.1	14.9	mg/l	6	20
Manganese, Total	0.158	0.167	mg/l	6	20
Potassium, Total	1.98J	2.11J	mg/l	NC	20
Sodium, Total	71.9	75.9	mg/l	5	20
[redacted]					
[redacted]					

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 09/23/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2250810-17A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		CD-2008T(180),NI-2008T(180),CA-UI(180),K-UI(180),ZN-2008T(180),BE-2008T(180),CO-UI(180),CU-2008T(180),MG-UI(180),V-2008T(180),FE-UI(180),HG-U(28),SE-2008T(180),AS-2008T(180),AG-2008T(180),BA-2008T(180),NA-UI(180),AL-UI(180),MN-UI(180),PB-2008T(180),SB-2008T(180),CR-2008T(180),TL-2008T(180)

*Values in parentheses indicate holding time in days

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	09/23/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

February 15, 2023

Delivered Via Federal Express (Tracking Number: 7712 7604 0120)

Edward R. and Margaret H. Allen
2084 Bailey Creek Road
Corning, New York 14830

Subject: 2022 Annual Well Water Sample Collection

Dear Mr. and Mrs. Allen:

Over the past several years, annual well water samples have been collected at your property in association with the closure of the Edward Allen Landfill. As before, and in accordance with the long-term monitoring requirements for the Edward Allen Landfill, a copy of the well water sample results is being provided to you, to the New York State Department of Environmental Conservation (NYSDEC), and to the New York State Department of Health.

On September 19, 2022, representatives from WSP USA Inc (WSP) collected a water sample from the residential well at your property. We have enclosed the results of the well sampling performed at your property. The results of the well sampling are shown on page 49 of 75 of the attached laboratory report.

We very much appreciate your continued cooperation with our monitoring activities. WSP will continue to provide the test results of future sampling events, until such time that monitoring at your property is no longer required by NYSDEC. Adam Morgan is the NYSDEC project manager for the Edward Allen Landfill and can be reached at (585) 226-5356 or at adam.morgan@dec.ny.gov .

Sincerely yours,

Mark Saunders
Senior Consultant, Project Manager
C 716 331-4966
mark.d.saunders@wsp.com

Craig Anderson
Practice Leader
C 612-877-0091
craig.anderson@wsp.com

Attachment: Laboratory Analytical Results

CC: NYSDEC, Division of Environmental Remediation, Adam Morgan

WSP USA
40 La Riviere Dr., Ste. 320
Buffalo, New York 14202

Tel.: 1 (716) 853-1220
wsp.com

ANALYTICAL REPORT

Lab Number:	L2250810
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Mark Saunders
Phone:	(716) 204-5880
Project Name:	CORNING EDWARDS ALLEN LANDFILL
Project Number:	B2101342.006.1.5
Report Date:	12/13/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	12/13/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	12/13/22

Case Narrative (continued)

Report Revision

December 13, 2022: The Client ID was amended on L2250810-18.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

[redacted]

[redacted]

[redacted]

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative Date: 12/13/22

METALS

Project Name: CORNING EDWARDS ALLEN LANDFILL **Lab Number:** L2250810

Project Number: B2101342.006.1.5 **Report Date:** 12/13/22

SAMPLE RESULTS

Lab ID: L2250810-18 Date Collected: 09/12/22 13:48

Client ID: 2084 RW Date Received: 09/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Dw

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Antimony, Total	ND		mg/l	0.0040	0.0004	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Arsenic, Total	0.0016		mg/l	0.0010	0.0002	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Barium, Total	0.7536		mg/l	0.0010	0.0002	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Beryllium, Total	ND		mg/l	0.0010	0.0001	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Calcium, Total	51.6		mg/l	0.100	0.0350	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Chromium, Total	0.0002	J	mg/l	0.0010	0.0002	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Copper, Total	0.0004	J	mg/l	0.0010	0.0004	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Iron, Total	0.507		mg/l	0.0500	0.0090	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Lead, Total	ND		mg/l	0.0010	0.0003	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Magnesium, Total	11.2		mg/l	0.100	0.0153	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Manganese, Total	0.314		mg/l	0.0100	0.0016	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Mercury, Total	0.0001	J	mg/l	0.0002	0.0001	1	09/19/22 15:10	09/19/22 21:22	EPA 245.1	3,245.1	ZK
Nickel, Total	ND		mg/l	0.0020	0.0006	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Potassium, Total	1.87	J	mg/l	2.50	0.237	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Selenium, Total	ND		mg/l	0.0050	0.0017	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Silver, Total	ND		mg/l	0.0004	0.0002	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Sodium, Total	46.5		mg/l	2.00	0.120	1	09/19/22 14:15	09/23/22 08:59	EPA 3005A	19,200.7	NB
Thallium, Total	ND		mg/l	0.0010	0.0001	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Vanadium, Total	ND		mg/l	0.0050	0.0016	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV
Zinc, Total	0.0099	J	mg/l	0.0100	0.0034	1	09/19/22 14:15	09/23/22 09:19	EPA 3005A	3,200.8	SV

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 12/13/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688867-5 QC Sample: L2250810-18 Client ID: 2084 RW									
Antimony, Total	ND	0.5	0.4516	90	-	-	70-130	-	20
Arsenic, Total	0.0016	0.12	0.1166	96	-	-	70-130	-	20
Barium, Total	0.7536	2	2.540	89	-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0476	95	-	-	70-130	-	20
Cadmium, Total	ND	0.053	0.0485	91	-	-	70-130	-	20
Chromium, Total	0.0002J	0.2	0.1837	92	-	-	70-130	-	20
Copper, Total	0.0004J	0.25	0.2322	93	-	-	70-130	-	20
Lead, Total	ND	0.53	0.4848	91	-	-	70-130	-	20
Nickel, Total	ND	0.5	0.4650	93	-	-	70-130	-	20
Selenium, Total	ND	0.12	0.1103	92	-	-	70-130	-	20
Silver, Total	ND	0.05	0.0515	103	-	-	70-130	-	20
Thallium, Total	ND	0.12	0.1098	92	-	-	70-130	-	20
Vanadium, Total	ND	0.5	0.4752	95	-	-	70-130	-	20
Zinc, Total	0.0099J	0.5	0.4672	93	-	-	70-130	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARDS ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2250810

Report Date: 12/13/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17-18 QC Batch ID: WG1688867-6 QC Sample: L2250810-18 Client ID: 2084 RW					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.0016	0.0015	mg/l	9	20
Barium, Total	0.7536	0.7114	mg/l	6	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	0.0002J	ND	mg/l	NC	20
Copper, Total	0.0004J	0.0005J	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.0099J	0.0093J	mg/l	NC	20

Project Name: CORNING EDWARDS ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2250810
Report Date: 12/13/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2250810-18A	Plastic 250ml HNO3 preserved	A	<2	<2	4.9	Y	Absent		CD-2008T(180),CA-UI(180),NI-2008T(180),K-UI(180),BE-2008T(180),CO-UI(180),ZN-2008T(180),MG-UI(180),FE-UI(180),V-2008T(180),CU-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),AG-2008T(180),AL-UI(180),BA-2008T(180),MN-UI(180),NA-UI(180),TL-2008T(180),PB-2008T(180),CR-2008T(180),SB-2008T(180)

*Values in parentheses indicate holding time in days

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	12/13/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	12/13/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	12/13/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CORNING EDWARDS ALLEN LANDFILL	**Lab Number:**	L2250810
Project Number:	B2101342.006.1.5	**Report Date:**	12/13/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

February 15, 2023

Delivered Via Federal Express (Tracking Number: 7712 7587 6274)

Raden A. and Maureen Subroto
2094 Bailey Creek Road
Corning, New York 14830

Subject: 2022 Annual Well Water Sample Collection

Dear Mr. and Mrs. Subroto:

Over the past several years, annual well water samples have been collected at your property in association with the closure of the Edward Allen Landfill. As before, and in accordance with the long-term monitoring requirements for the Edward Allen Landfill, a copy of the well water sample results is being provided to you, to the New York State Department of Environmental Conservation (NYSDEC), and to the New York State Department of Health.

On October 25, 2022, a representative from WSP USA Inc. (WSP) collected a water sample from the residential well at your property. We have enclosed the results of the well sampling performed at your property. The results of the well sampling are shown on page 12 of 41 of the attached laboratory report.

We very much appreciate your continued cooperation with our monitoring activities. WSP will provide the test results of future sampling events, until such time that monitoring at your property is no longer required by NYSDEC. Adam Morgan is the NYSDEC project manager for the Edward Allen Landfill and can be reached at (585) 226-5356 or at adam.morgan@dec.ny.gov .

Sincerely yours,

Mark Saunders

Senior Consultant, Project Manager
C 716 331-4966
mark.d.saunders@wsp.com

Craig Anderson

Practice Leader
C 612-877-0091
craig.anderson@wsp.com

Attachment: Laboratory Analytical Results

CC: NYSDEC, Division of Environmental Remediation, Adam Morgan

WSP USA
40 La Riviere Dr., Ste. 320
Buffalo, New York 14202

Tel.: 1 (716) 853-1220

ANALYTICAL REPORT

Lab Number:	L2259862
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Mark Saunders
Phone:	(716) 204-5880
Project Name:	CORNING EDWARD ALLEN LANDFILL
Project Number:	B2101342.006.1.5
Report Date:	11/09/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862
Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

Case Narrative (continued)

[redacted]

Total Metals

The WG1706324-7 MS recovery for sodium (0%), performed on L2259862-07, does not apply because the sample concentration is greater than four times the spike amount added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 11/09/22

METALS

Project Name: CORNING EDWARD ALLEN LANDFILL **Lab Number:** L2259862

Project Number: B2101342.006.1.5 **Report Date:** 11/09/22

SAMPLE RESULTS

Lab ID: L2259862-07 Date Collected: 10/25/22 12:10

Client ID: RW 2094 Date Received: 10/26/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Dw

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Antimony, Total	ND		mg/l	0.0040	0.0004	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Arsenic, Total	0.0009	J	mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Barium, Total	2.562		mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Beryllium, Total	ND		mg/l	0.0010	0.0001	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Calcium, Total	30.2		mg/l	0.100	0.0350	1	11/03/22 18:11	11/07/22 19:44	EPA 3005A	19,200.7	GCL
Chromium, Total	0.0006	J	mg/l	0.0010	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Copper, Total	0.0053		mg/l	0.0010	0.0004	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Iron, Total	0.166		mg/l	0.0500	0.0090	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Lead, Total	ND		mg/l	0.0010	0.0003	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Magnesium, Total	6.05		mg/l	0.100	0.0153	1	11/03/22 18:11	11/07/22 19:44	EPA 3005A	19,200.7	GCL
Manganese, Total	0.0526		mg/l	0.0100	0.0016	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Mercury, Total	ND		mg/l	0.0002	0.0001	1	11/03/22 18:34	11/04/22 18:29	EPA 245.1	3,245.1	DJR
Nickel, Total	ND		mg/l	0.0020	0.0006	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Potassium, Total	2.69		mg/l	2.50	0.237	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Selenium, Total	0.0027	J	mg/l	0.0050	0.0017	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Silver, Total	ND		mg/l	0.0004	0.0002	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Sodium, Total	225.		mg/l	2.00	0.120	1	11/03/22 18:11	11/04/22 16:33	EPA 3005A	19,200.7	DMB
Thallium, Total	ND		mg/l	0.0010	0.0001	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Vanadium, Total	ND		mg/l	0.0050	0.0016	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW
Zinc, Total	0.0058	J	mg/l	0.0100	0.0034	1	11/03/22 18:11	11/09/22 12:29	EPA 3005A	3,200.8	EGW

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706322-5 QC Sample: L2259862-07 Client ID: RW 2094									
Antimony, Total	ND	0.5	0.5093	102	-	-	70-130	-	20
Arsenic, Total	0.0009J	0.12	0.1290	108	-	-	70-130	-	20
Barium, Total	2.562	2	5.030	123	-	-	70-130	-	20
Beryllium, Total	ND	0.05	0.0508	102	-	-	70-130	-	20
Cadmium, Total	ND	0.053	0.0568	107	-	-	70-130	-	20
Chromium, Total	0.0006J	0.2	0.2050	102	-	-	70-130	-	20
Copper, Total	0.0053	0.25	0.2616	102	-	-	70-130	-	20
Lead, Total	ND	0.53	0.5079	96	-	-	70-130	-	20
Nickel, Total	ND	0.5	0.4972	99	-	-	70-130	-	20
Selenium, Total	0.0027J	0.12	0.1297	108	-	-	70-130	-	20
Silver, Total	ND	0.05	0.0498	100	-	-	70-130	-	20
Thallium, Total	ND	0.12	0.0990	82	-	-	70-130	-	20
Vanadium, Total	ND	0.5	0.5156	103	-	-	70-130	-	20
Zinc, Total	0.0058J	0.5	0.4915	98	-	-	70-130	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
[redacted]										
[redacted]										
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-7 QC Sample: L2259862-07 Client ID: RW 2094										
Aluminum, Total	ND	2	1.94	97		-	-	75-125	-	20
Calcium, Total	30.2	10	40.7	105		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.446	89		-	-	75-125	-	20
Iron, Total	0.166	1	1.09	92		-	-	75-125	-	20
Magnesium, Total	6.05	10	16.4	104		-	-	75-125	-	20
Manganese, Total	0.0526	0.5	0.474	84		-	-	75-125	-	20
Potassium, Total	2.69	10	12.4	97		-	-	75-125	-	20
Sodium, Total	225.	10	221	**0**	Q	-	-	75-125	-	20
[redacted]										

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706322-6 QC Sample: L2259862-07 Client ID: RW 2094					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.0009J	0.0008J	mg/l	NC	20
Barium, Total	2.562	2.572	mg/l	0	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	0.0006J	0.0008J	mg/l	NC	20
Copper, Total	0.0053	0.0053	mg/l	0	20
Lead, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Selenium, Total	0.0027J	0.0025J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.0058J	0.0052J	mg/l	NC	20
[redacted]					
[redacted]					
[redacted]					
[redacted]					

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING EDWARD ALLEN LANDFILL

Project Number: B2101342.006.1.5

Lab Number: L2259862

Report Date: 11/09/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-8 QC Sample: L2259862-07 Client ID: RW 2094					
Aluminum, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Iron, Total	0.166	0.169	mg/l	2	20
Manganese, Total	0.0526	0.0534	mg/l	2	20
Potassium, Total	2.69	2.72	mg/l	1	20
Sodium, Total	225.	224	mg/l	0	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1706324-8 QC Sample: L2259862-07 Client ID: RW 2094					
Calcium, Total	30.2	30.2	mg/l	0	20
Magnesium, Total	6.05	6.15	mg/l	2	20
[redacted]					

Project Name: CORNING EDWARD ALLEN LANDFILL
Project Number: B2101342.006.1.5

Lab Number: L2259862
Report Date: 11/09/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2259862-07A	Plastic 250ml HNO3 preserved	A	4	<2	2.5	N	Absent		CD-2008T(180),NI-2008T(180),CA-UI(180),BE-2008T(180),K-UI(180),CO-UI(180),ZN-2008T(180),MG-UI(180),V-2008T(180),CU-2008T(180),FE-UI(180),SE-2008T(180),HG-U(28),AG-2008T(180),AS-2008T(180),AL-UI(180),MN-UI(180),BA-2008T(180),NA-UI(180),SB-2008T(180),CR-2008T(180),PB-2008T(180),TL-2008T(180)

*Values in parentheses indicate holding time in days

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CORNING EDWARD ALLEN LANDFILL	**Lab Number:**	L2259862
Project Number:	B2101342.006.1.5	**Report Date:**	11/09/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

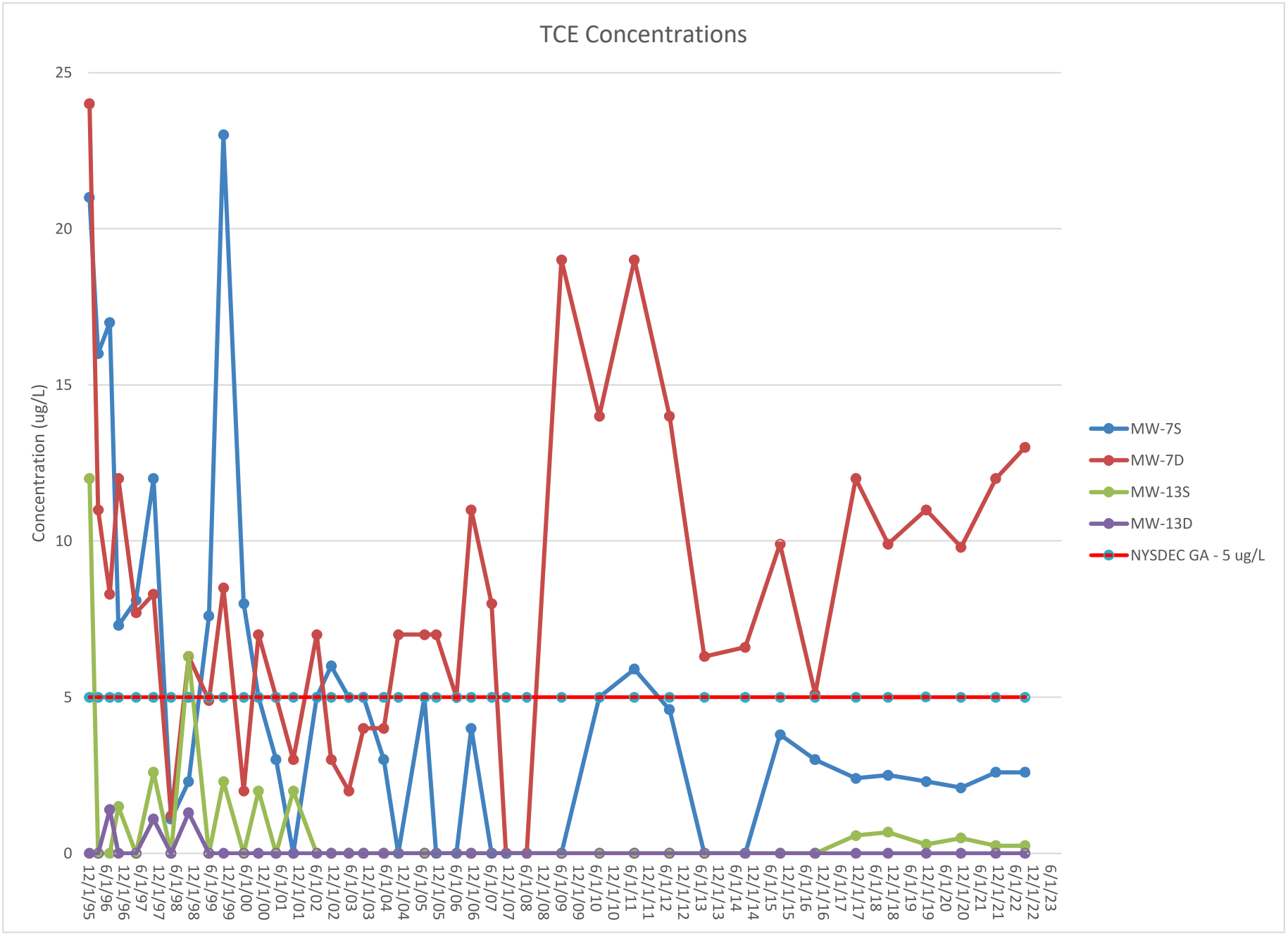
Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

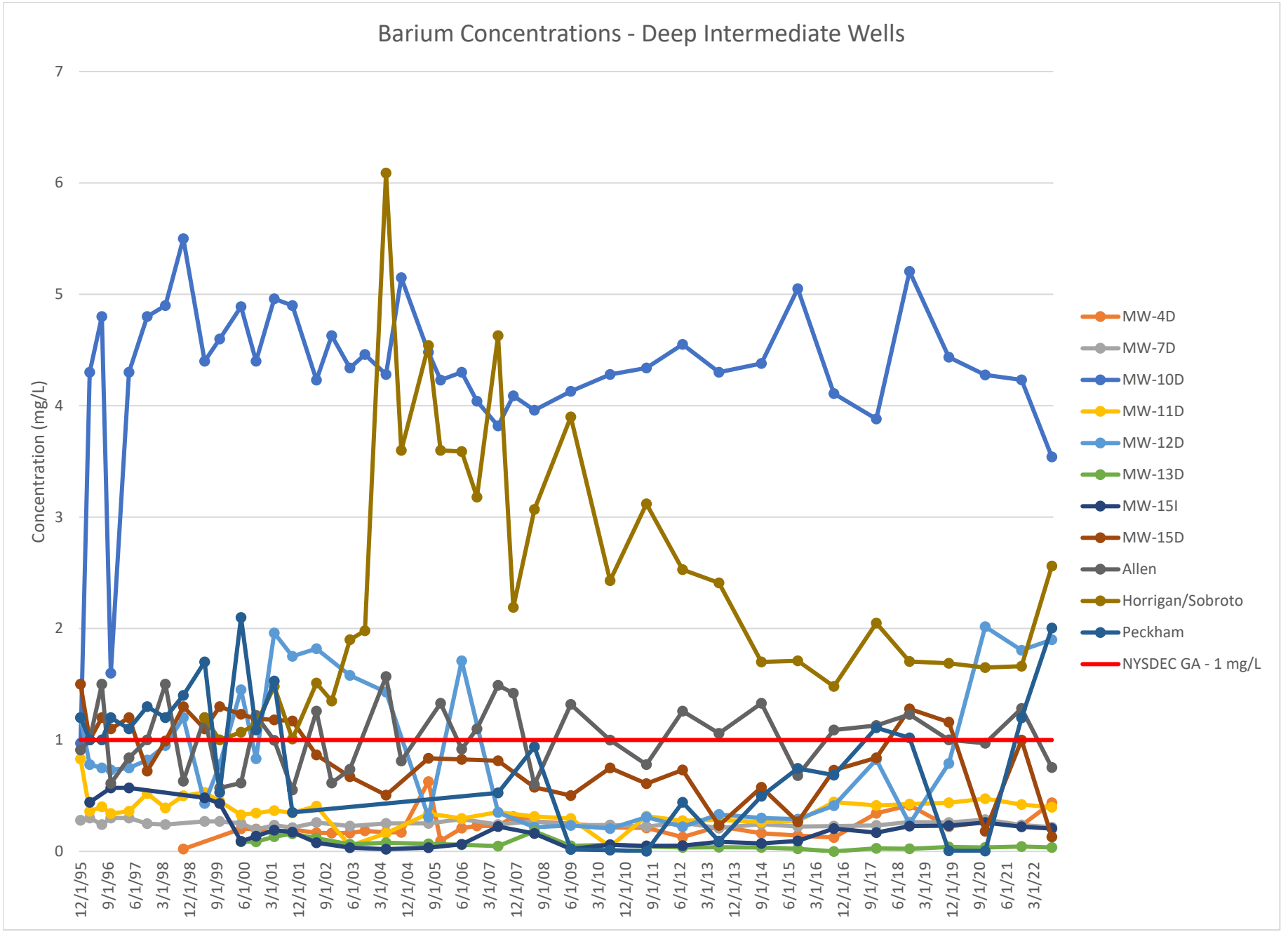
For a complete listing of analytes and methods, please contact your Alpha Project Manager.

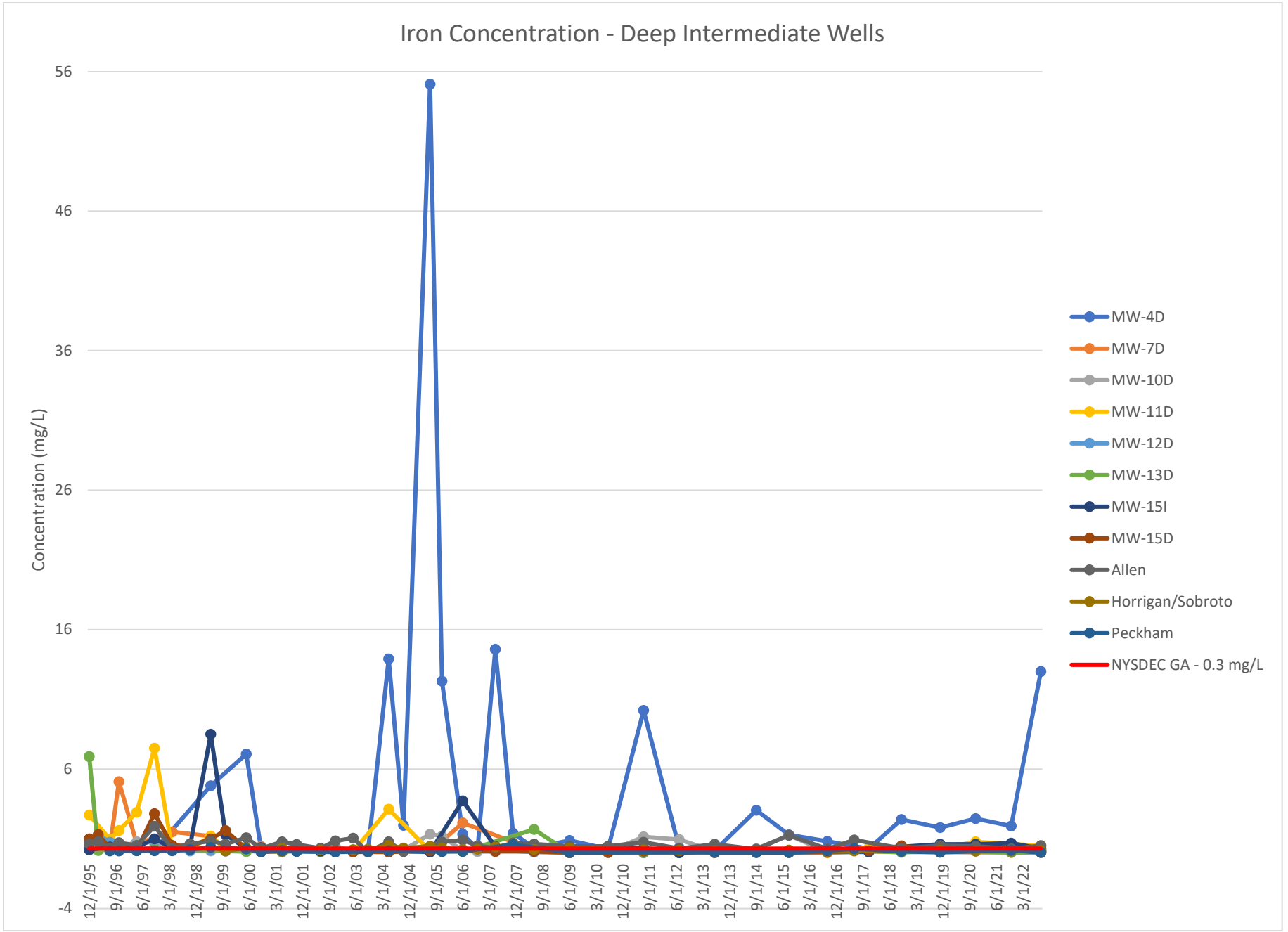
APPENDIX

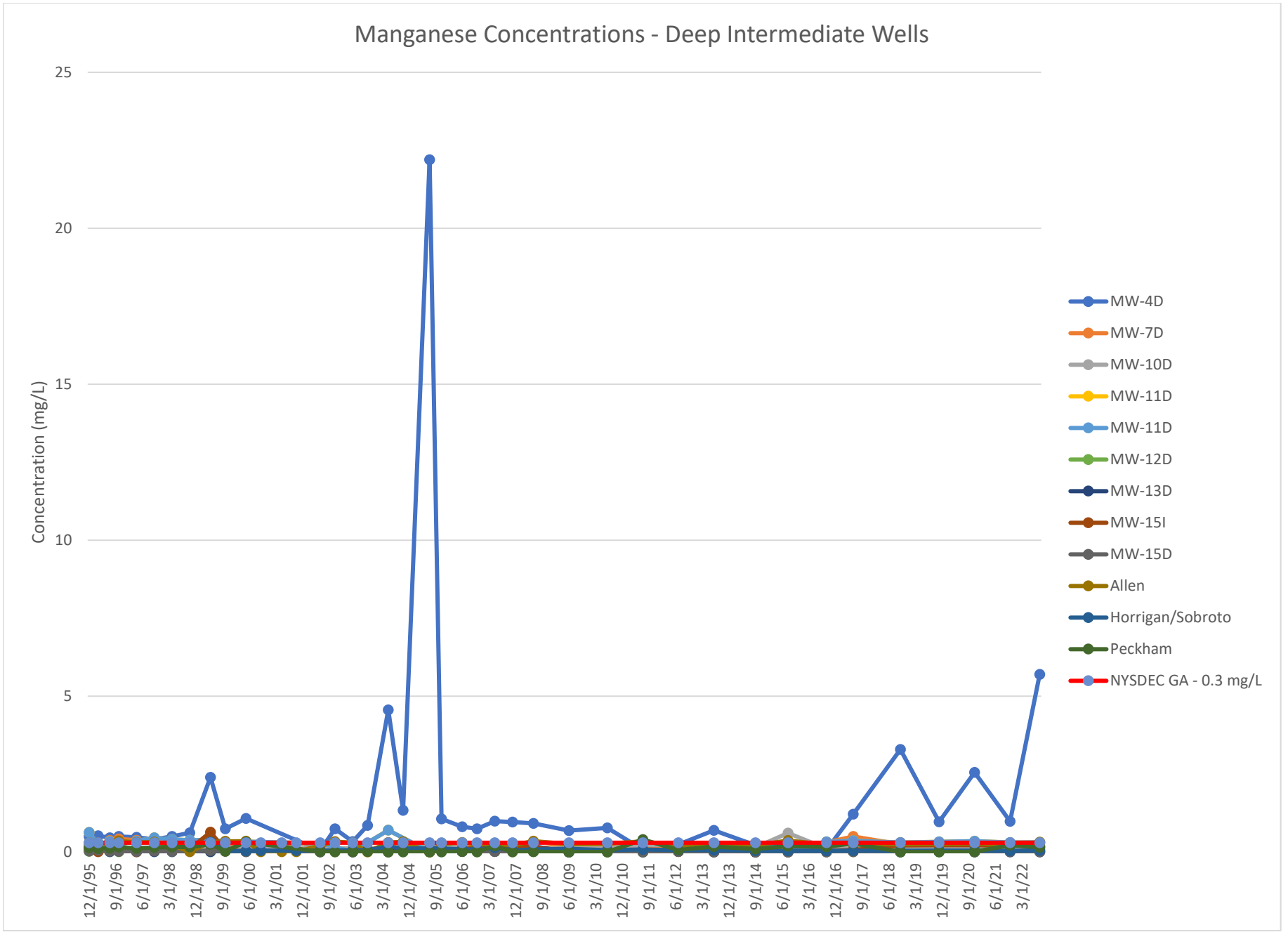
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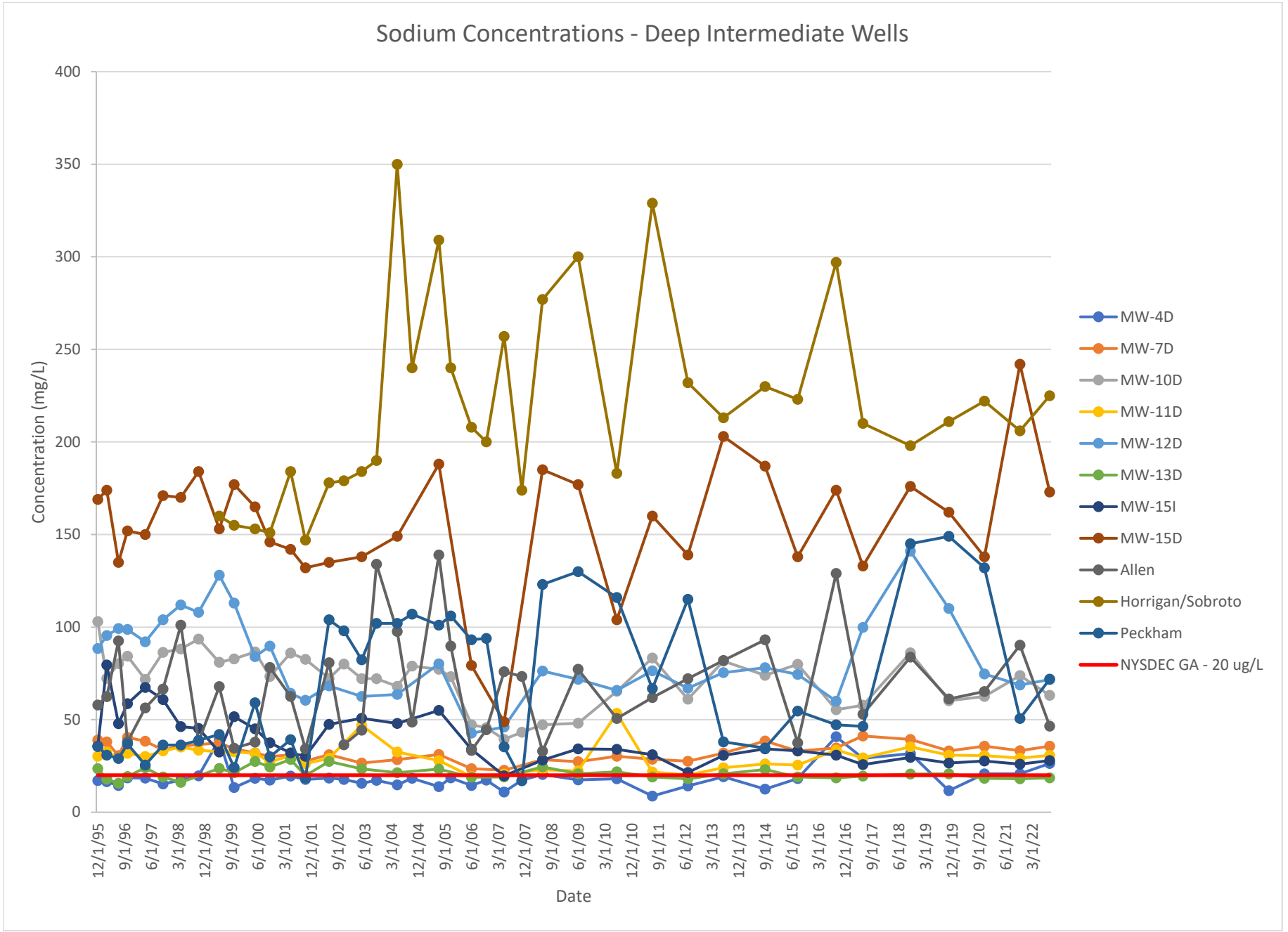
Groundwater Trend Plots

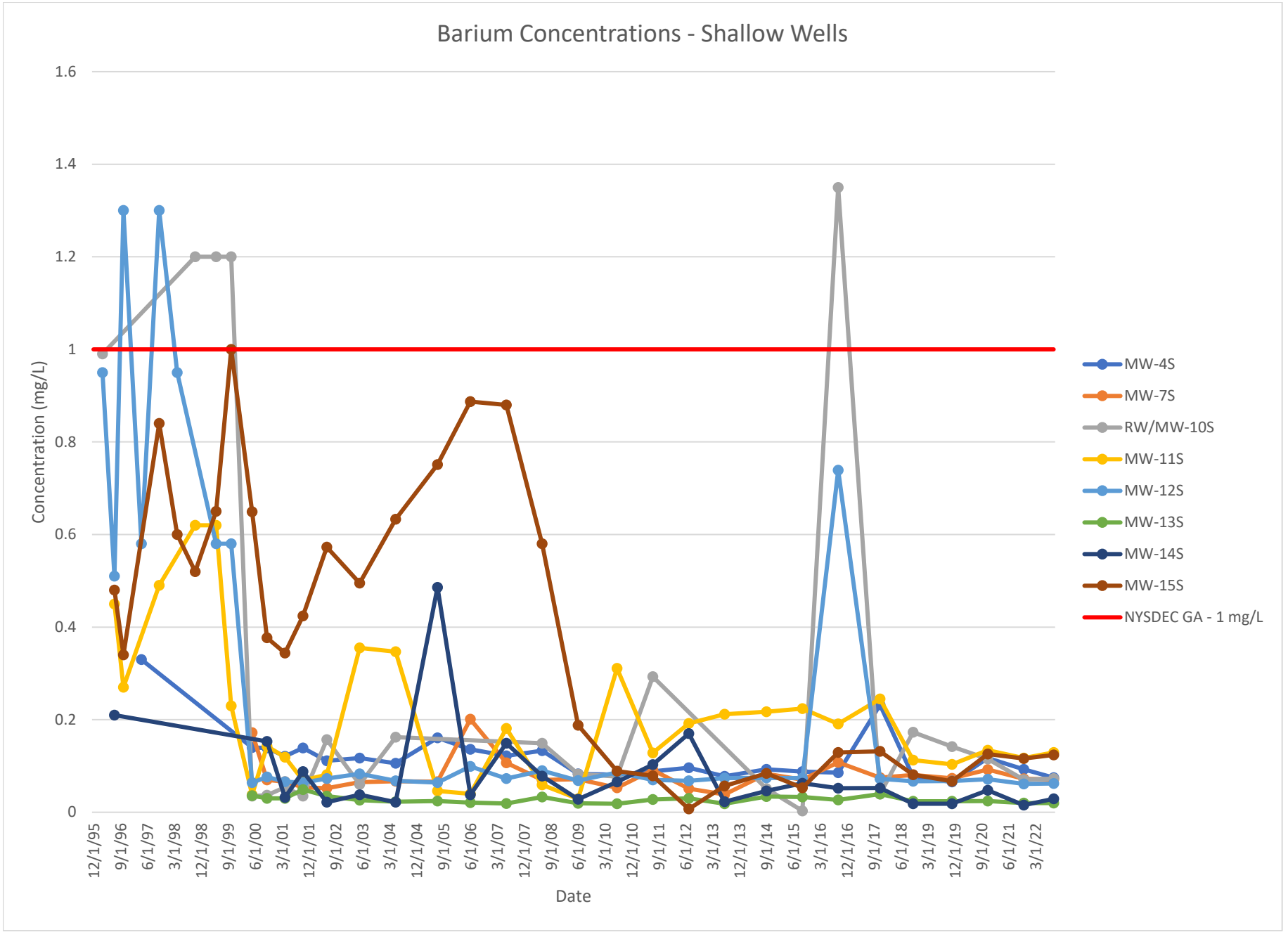

TCE Concentrations
Concentration (ug/L)
25
20
15
10
5
0
12/1/95
6/1/96
12/1/96
6/1/97
12/1/97
6/1/98
12/1/98
6/1/99
12/1/99
6/1/00
12/1/00
6/1/01
12/1/01
6/1/02
12/1/02
6/1/03
12/1/03
6/1/04
12/1/04
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12/1/05
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6/1/13
12/1/13
6/1/14
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6/1/15
12/1/15
6/1/16
12/1/16
6/1/17
12/1/17
6/1/18
12/1/18
6/1/19
12/1/19
6/1/20
12/1/20
6/1/21
12/1/21
6/1/22
12/1/22
6/1/23
MW-7S
MW-7D
MW-13S
MW-13D
NYSDEC GA - 5 ug/L

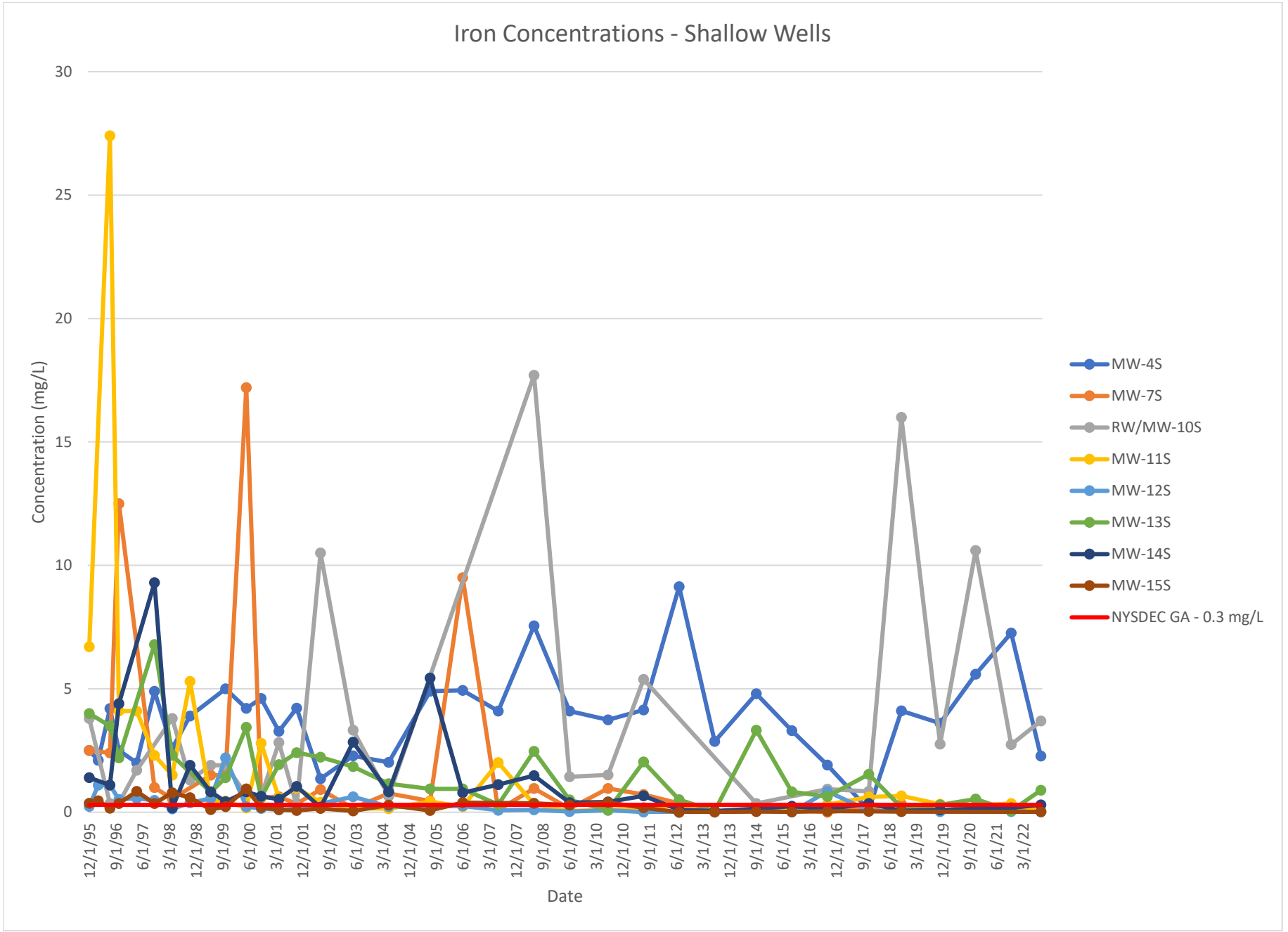

Barium Concentrations - Deep Intermediate Wells
Concentration (mg/L)
0
1
2
3
4
5
6
7
12/1/95
9/1/96
6/1/97
3/1/98
12/1/98
9/1/99
6/1/00
3/1/01
12/1/01
9/1/02
6/1/03
3/1/04
12/1/04
9/1/05
6/1/06
3/1/07
12/1/07
9/1/08
6/1/09
3/1/10
12/1/10
9/1/11
6/1/12
3/1/13
12/1/13
9/1/14
6/1/15
3/1/16
12/1/16
9/1/17
6/1/18
3/1/19
12/1/19
9/1/20
6/1/21
3/1/22
MW-4D
MW-7D
MW-10D
MW-11D
MW-12D
MW-13D
MW-15I
MW-15D
Allen
Horrigan/Sobroto
Peckham
NYSDEC GA - 1 mg/L

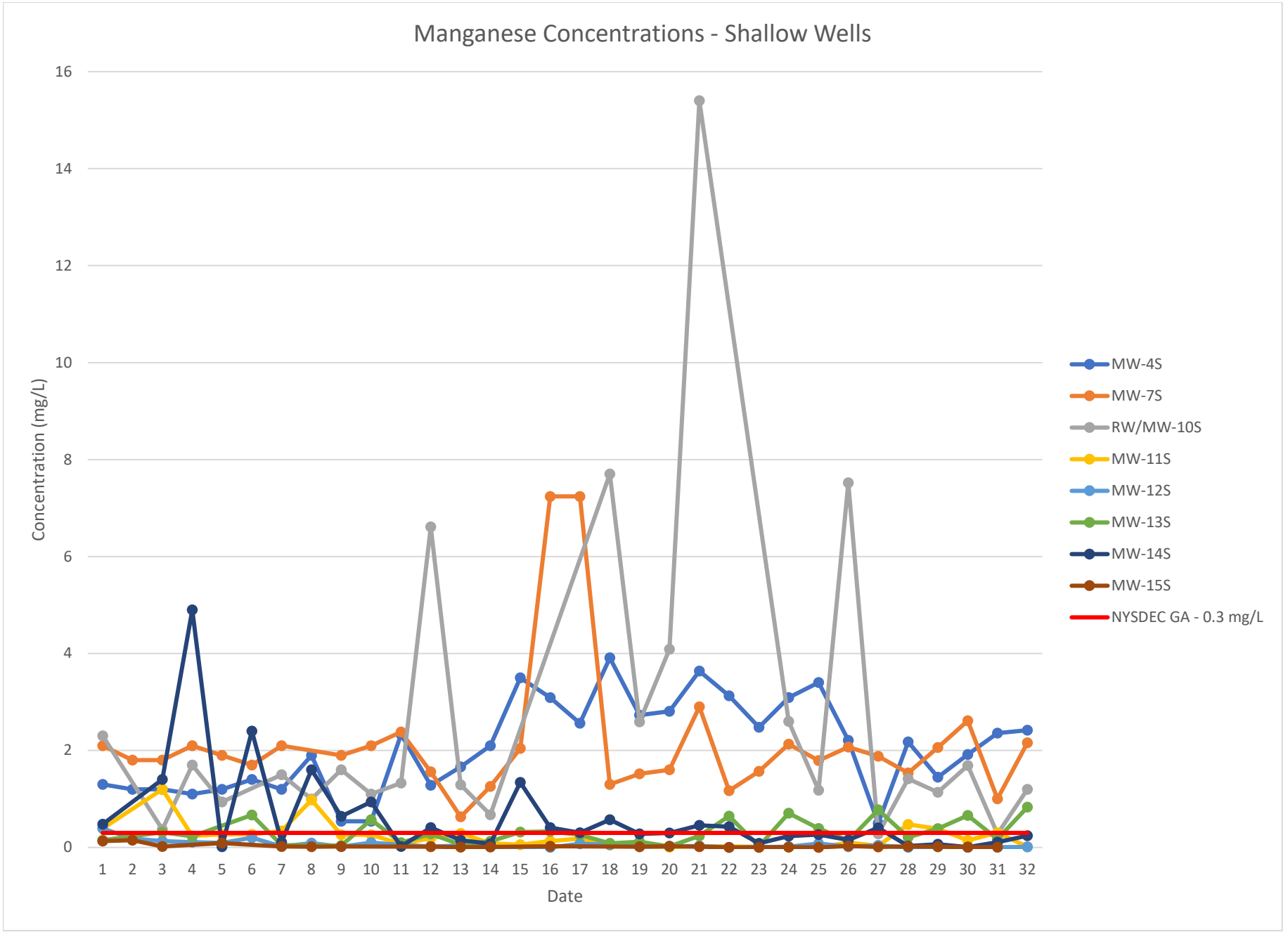

Iron Concentration - Deep Intermediate Wells
Concentration (mg/L)
56
46
36
26
16
6
-4
12/1/95
9/1/96
6/1/97
3/1/98
12/1/98
9/1/99
6/1/00
3/1/01
12/1/01
9/1/02
6/1/03
3/1/04
12/1/04
9/1/05
6/1/06
3/1/07
12/1/07
9/1/08
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12/1/10
9/1/11
6/1/12
3/1/13
12/1/13
9/1/14
6/1/15
3/1/16
12/1/16
9/1/17
6/1/18
3/1/19
12/1/19
9/1/20
6/1/21
3/1/22
MW-4D
MW-7D
MW-10D
MW-11D
MW-12D
MW-13D
MW-15I
MW-15D
Allen
Horrigan/Sobroto
Peckham
NYSDEC GA - 0.3 mg/L

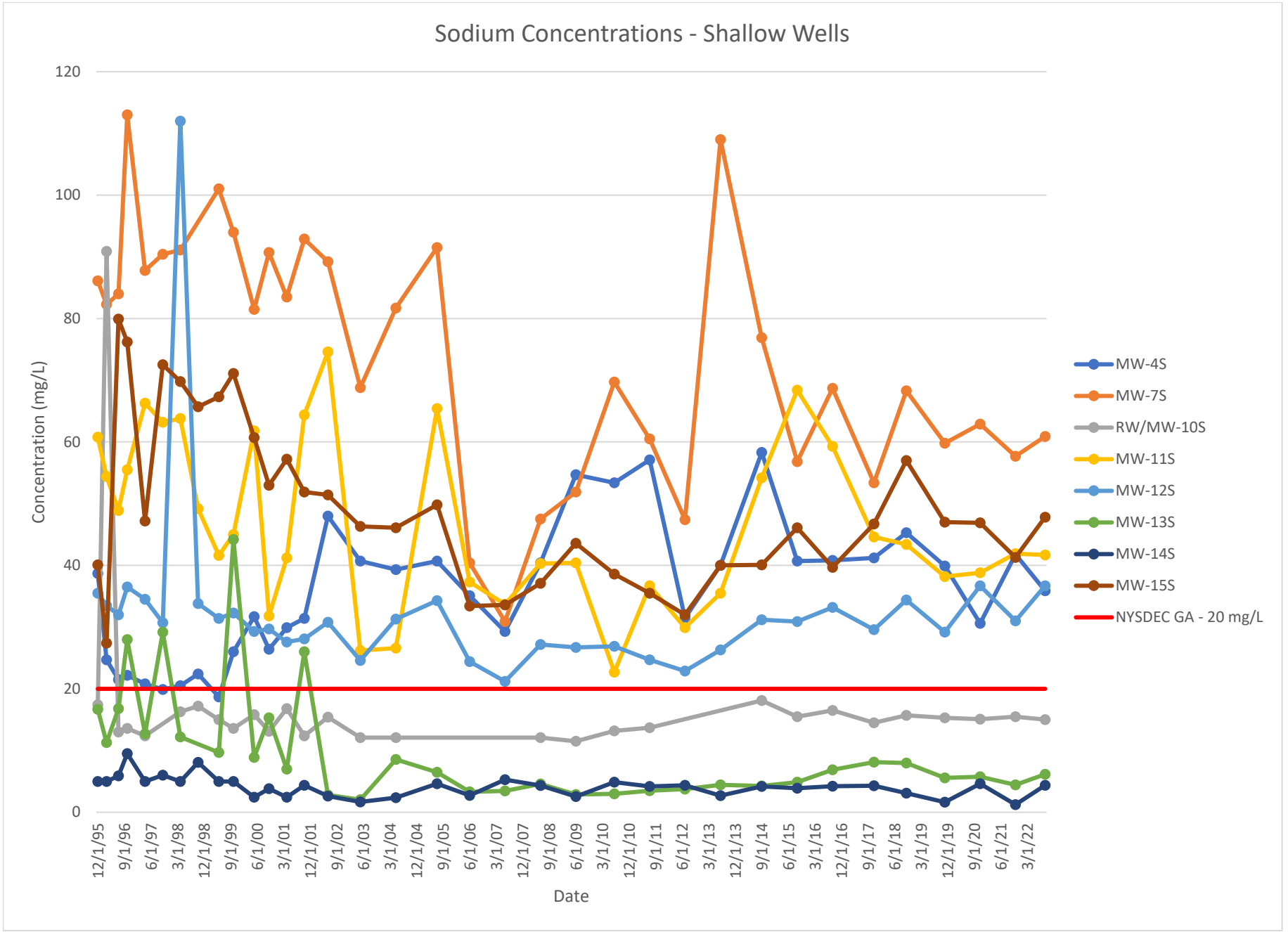

Manganese Concentrations - Deep Intermediate Wells
Concentration (mg/L)
25
20
15
10
5
0
12/1/95
9/1/96
6/1/97
3/1/98
12/1/98
9/1/99
6/1/00
3/1/01
12/1/01
9/1/02
6/1/03
3/1/04
12/1/04
9/1/05
6/1/06
3/1/07
12/1/07
9/1/08
6/1/09
3/1/10
12/1/10
9/1/11
6/1/12
3/1/13
12/1/13
9/1/14
6/1/15
3/1/16
12/1/16
9/1/17
6/1/18
3/1/19
12/1/19
9/1/20
6/1/21
3/1/22
MW-4D
MW-7D
MW-10D
MW-11D
MW-11D
MW-12D
MW-13D
MW-15I
MW-15D
Allen
Horrigan/Sobroto
Peckham
NYSDEC GA - 0.3 mg/L


Sodium Concentrations - Deep Intermediate Wells
Concentration (mg/L)
400
350
300
250
200
150
100
50
0
12/1/95
9/1/96
6/1/97
3/1/98
12/1/98
9/1/99
6/1/00
3/1/01
12/1/01
9/1/02
6/1/03
3/1/04
12/1/04
9/1/05
6/1/06
3/1/07
12/1/07
9/1/08
6/1/09
3/1/10
12/1/10
9/1/11
6/1/12
3/1/13
12/1/13
9/1/14
6/1/15
3/1/16
12/1/16
9/1/17
6/1/18
3/1/19
12/1/19
9/1/20
6/1/21
3/1/22
Date
MW-4D
MW-7D
MW-10D
MW-11D
MW-12D
MW-13D
MW-15I
MW-15D
Allen
Horrigan/Sobroto
Peckham
NYSDEC GA - 20 ug/L


Barium Concentrations - Shallow Wells
Concentration (mg/L)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
12/1/95
9/1/96
6/1/97
3/1/98
12/1/98
9/1/99
6/1/00
3/1/01
12/1/01
9/1/02
6/1/03
3/1/04
12/1/04
9/1/05
6/1/06
3/1/07
12/1/07
9/1/08
6/1/09
3/1/10
12/1/10
9/1/11
6/1/12
3/1/13
12/1/13
9/1/14
6/1/15
3/1/16
12/1/16
9/1/17
6/1/18
3/1/19
12/1/19
9/1/20
6/1/21
3/1/22
Date
MW-4S
MW-7S
RW/MW-10S
MW-11S
MW-12S
MW-13S
MW-14S
MW-15S
NYSDEC GA - 1 mg/L


Iron Concentrations - Shallow Wells
Concentration (mg/L)
30
25
20
15
10
5
0
12/1/95
9/1/96
6/1/97
3/1/98
12/1/98
9/1/99
6/1/00
3/1/01
12/1/01
9/1/02
6/1/03
3/1/04
12/1/04
9/1/05
6/1/06
3/1/07
12/1/07
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3/1/13
12/1/13
9/1/14
6/1/15
3/1/16
12/1/16
9/1/17
6/1/18
3/1/19
12/1/19
9/1/20
6/1/21
3/1/22
Date
MW-4S
MW-7S
RW/MW-10S
MW-11S
MW-12S
MW-13S
MW-14S
MW-15S
NYSDEC GA - 0.3 mg/L


Manganese Concentrations - Shallow Wells
Concentration (mg/L)
Date
0
2
4
6
8
10
12
14
16
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
MW-4S
MW-7S
RW/MW-10S
MW-11S
MW-12S
MW-13S
MW-14S
MW-15S
NYSDEC GA - 0.3 mg/L


Sodium Concentrations - Shallow Wells
Concentration (mg/L)
120
100
80
60
40
20
0
12/1/95
9/1/96
6/1/97
3/1/98
12/1/98
9/1/99
6/1/00
3/1/01
12/1/01
9/1/02
6/1/03
3/1/04
12/1/04
9/1/05
6/1/06
3/1/07
12/1/07
9/1/08
6/1/09
3/1/10
12/1/10
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6/1/12
3/1/13
12/1/13
9/1/14
6/1/15
3/1/16
12/1/16
9/1/17
6/1/18
3/1/19
12/1/19
9/1/20
6/1/21
3/1/22
Date
MW-4S
MW-7S
RW/MW-10S
MW-11S
MW-12S
MW-13S
MW-14S
MW-15S
NYSDEC GA - 20 mg/L

APPENDIX

F

Mann-Kendall Evaluation

Mann-Kendall Trend Test Analysis

Barium MW-10D

Confidence Factor >95%; S<0 - Downward trend

Confidence Coefficient	**95%**
Level of Significance	0.05

General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	41
Number Values Reported (n)	41
Minimum	0.97
Maximum	5.5
Mean	4.238
Geometric Mean	4.094
Median	4.3
Standard Deviation	0.858
Coefficient of Variation (CoV)	0.203

Mann-Kendall Test

M-K Test Value (S)	**-158**
Critical Value (0.05)	-1.645
Standard Deviation of S	88.95
Standardized Value of S	-1.765
Approximate p-value	0.0388

Statistically significant evidence of a decreasing trend at the specified level of significance.

Confidence Coefficient	90%
Level of Significance	0.1

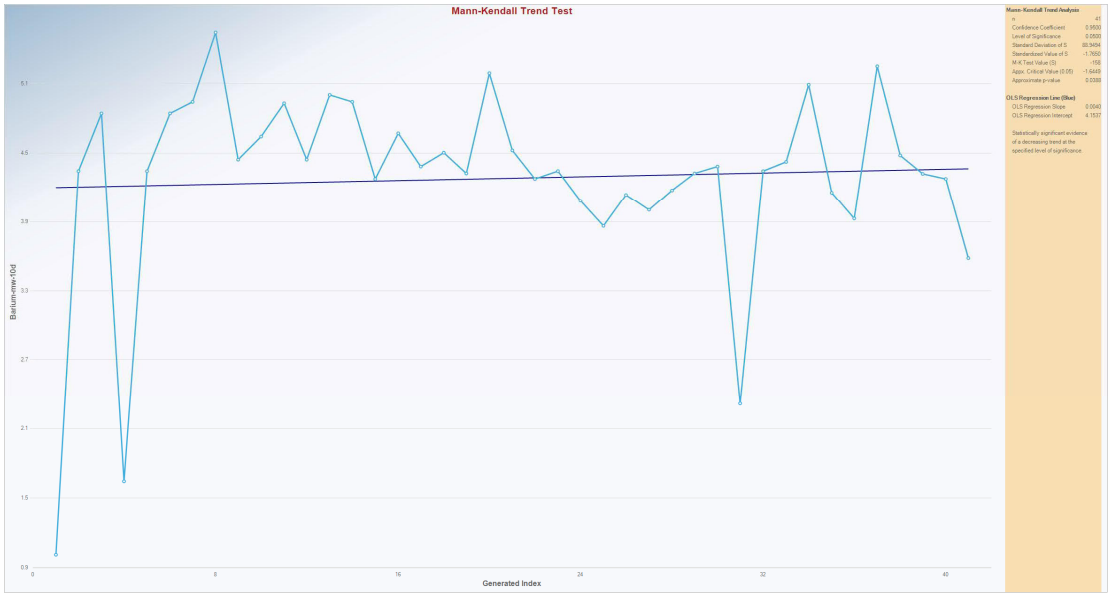
General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	41
Number Values Reported (n)	41
Minimum	0.97
Maximum	5.5
Mean	4.238
Geometric Mean	4.094
Median	4.3
Standard Deviation	0.858
Coefficient of Variation (CoV)	0.203

Mann-Kendall Test

M-K Test Value (S)	-158
Critical Value (0.1)	-1.282
Standard Deviation of S	88.95
Standardized Value of S	-1.765
Approximate p-value	0.0388

Statistically significant evidence of a decreasing trend at the specified level of significance.



Barium MW-12D

Confidence Factor < 90%; S<0; CoV<1 = stable

Confidence Coefficient	95%
Level of Significance	0.05

General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	35
Number Values Reported (n)	35
Minimum	0.1
Maximum	2.017
Mean	0.902
Geometric Mean	0.684
Median	0.78
Standard Deviation	0.612
Coefficient of Variation (CoV)	0.679

Mann-Kendall Test

M-K Test Value (S)	-42
Critical Value (0.05)	-1.645
Standard Deviation of S	70.39
Standardized Value of S	-0.582
Approximate p-value	0.28

Insufficient evidence to identify a significant trend at the specified level of significance.

Confidence Coefficient	**90%**
Level of Significance	0.1

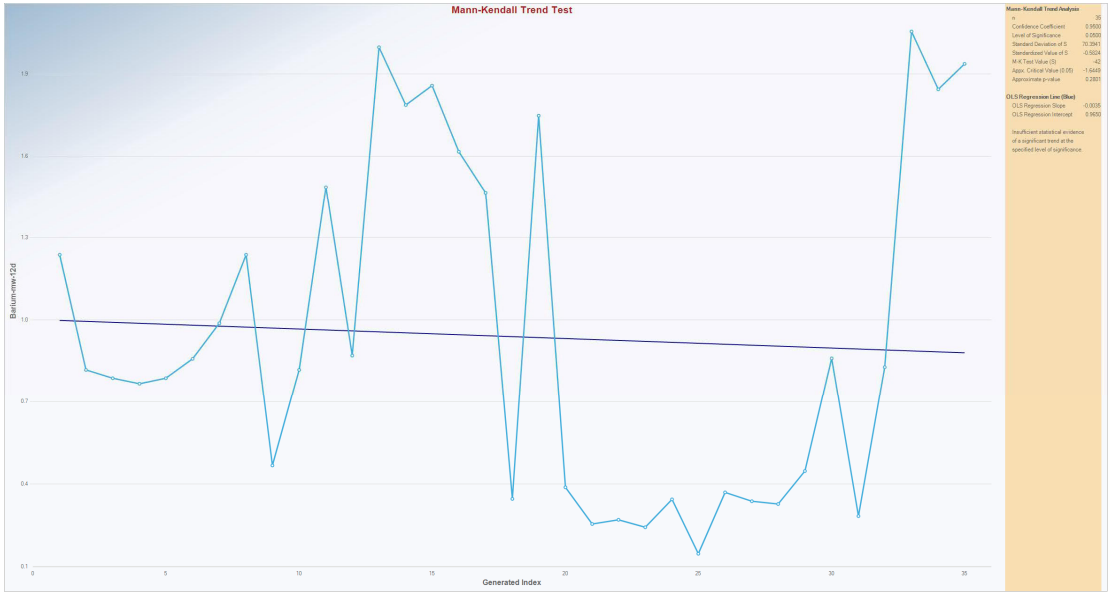
General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	35
Number Values Reported (n)	35
Minimum	0.1
Maximum	2.017
Mean	0.902
Geometric Mean	0.684
Median	0.78
Standard Deviation	0.612
Coefficient of Variation (CoV)	**0.679**

Mann-Kendall Test

M-K Test Value (S)	**-42**
Critical Value (0.11)	-1.227
Standard Deviation of S	70.39
Standardized Value of S	-0.582
Approximate p-value	0.28

Insufficient evidence to identify a significant trend at the specified level of significance.



Mann-Kendall Trend Test Analysis

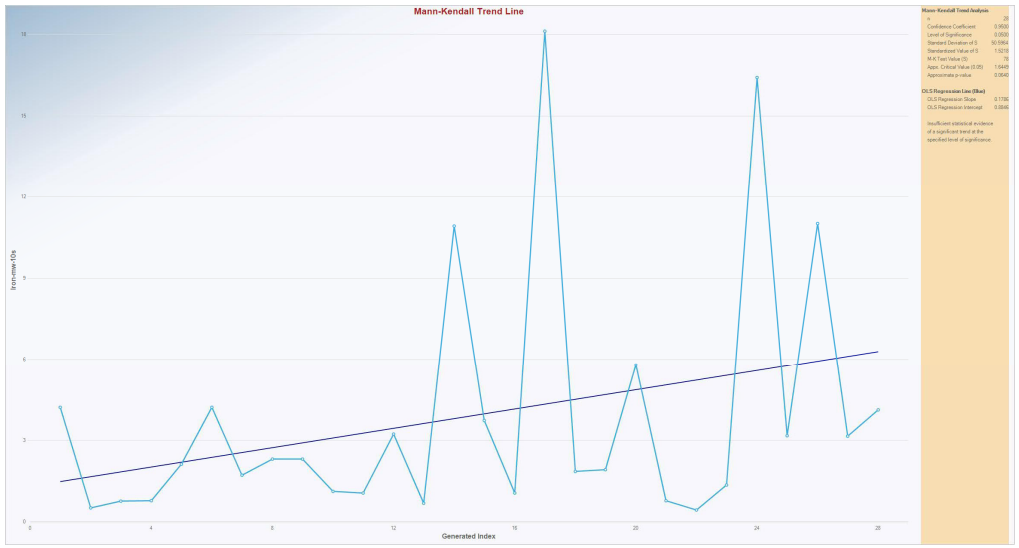
Iron MW-10S

Confidence Factor ≥ 90% -Possible Upward trend

Confidence Coefficient	95%	Confidence Coefficient	**90%**
Level of Significance	0.05	Level of Significance	0.1
General Statistics		**General Statistics**	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	28	Number of Generated Events	28
Number Values Reported (n)	29	Number Values Reported (n)	29
Number Values Missing	1	Number Values Missing	1
Number Values Used	28	Number Values Used	28
Minimum	0.0235	Minimum	0.0235
Maximum	17.7	Maximum	17.7
Mean	3.474	Mean	3.474
Geometric Mean	1.502	Geometric Mean	1.502
Median	1.8	Median	1.8
Standard Deviation	4.628	Standard Deviation	4.628
Coefficient of Variation (CoV)	1.332	Coefficient of Variation (CoV)	1.332
Mann-Kendall Test		**Mann-Kendall Test**	
M-K Test Value (S)	78	M-K Test Value (S)	**78**
Critical Value (0.05)	1.645	Critical Value (0.11)	1.227
Standard Deviation of S	50.6	Standard Deviation of S	50.6
Standardized Value of S	1.522	Standardized Value of S	1.522
Approximate p-value	0.064	Approximate p-value	0.064

Insufficient evidence to identify a significant trend at the specified level of significance.

Statistically significant evidence of an increasing trend at the specified level of significance.



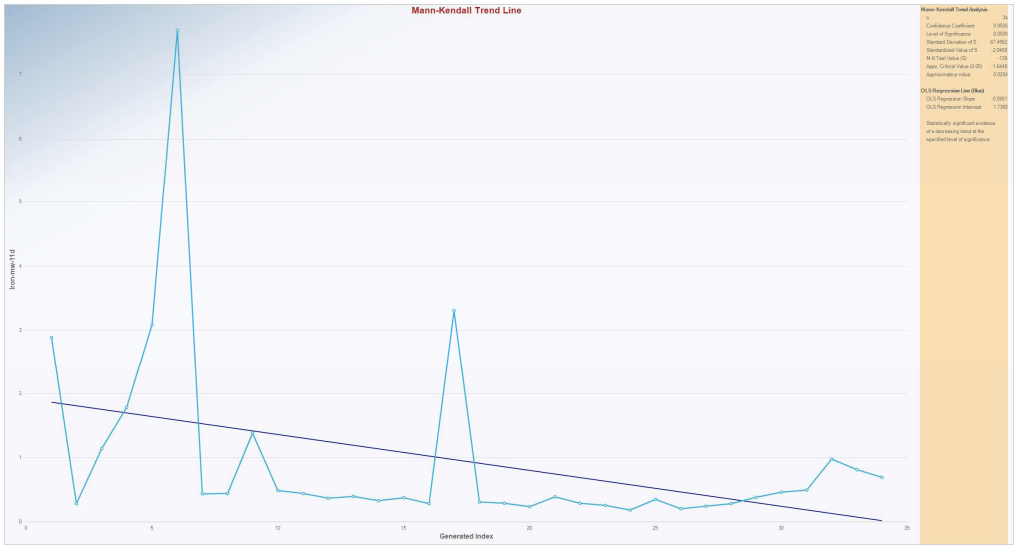
Iron MW-11D

Confidence Factor >95%; S<0 - Downward trend

Confidence Coefficient	**95%**	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1
General Statistics		**General Statistics**	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	34	Number of Generated Events	34
Number Values Reported (n)	35	Number Values Reported (n)	35
Number Values Missing	1	Number Values Missing	1
Number Values Used	34	Number Values Used	34
Minimum	1.10E-04	Minimum	1.10E-04
Maximum	7.5	Maximum	7.5
Mean	0.756	Mean	0.756
Geometric Mean	0.229	Geometric Mean	0.229
Median	0.208	Median	0.208
Standard Deviation	1.449	Standard Deviation	1.449
Coefficient of Variation (CoV)	1.918	Coefficient of Variation (CoV)	1.918
Mann-Kendall Test		**Mann-Kendall Test**	
M-K Test Value (S)	**-139**	M-K Test Value (S)	-139
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	67.46	Standard Deviation of S	67.46
Standardized Value of S	-2.046	Standardized Value of S	-2.046
Approximate p-value	0.0204	Approximate p-value	0.0204

Statistically significant evidence of a decreasing trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Iron MW-11S

Confidence Factor >95%; S<0 - Downward trend

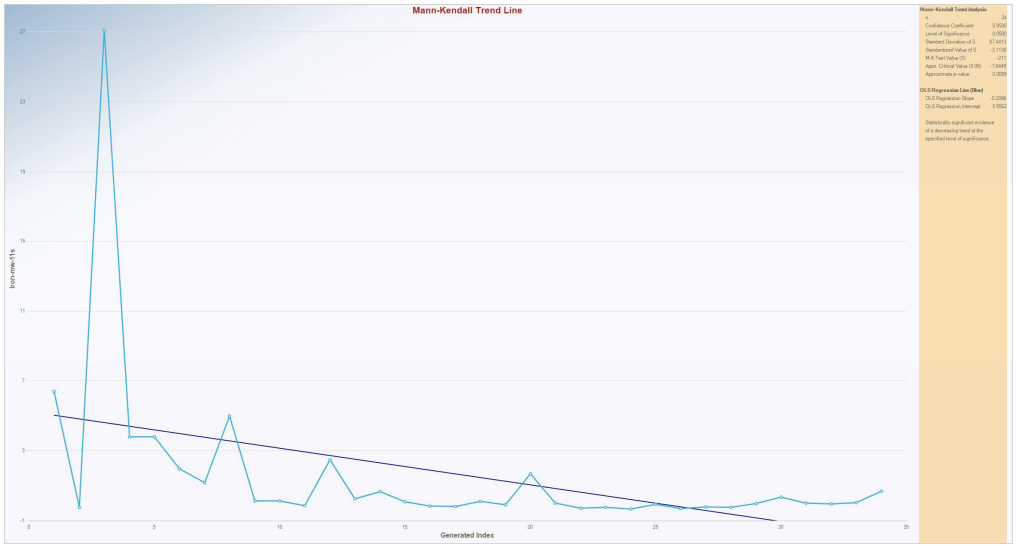
Confidence Coefficient	**95%**		Confidence Coefficient	90%
Level of Significance	0.05		Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	34	Number of Generated Events	34
Number Values Reported (n)	35	Number Values Reported (n)	35
Number Values Missing	1	Number Values Missing	1
Number Values Used	34	Number Values Used	34
Minimum	1.10E-04	Minimum	1.10E-04
Maximum	27.4	Maximum	27.4
Mean	1.889	Mean	1.889
Geometric Mean	0.4	Geometric Mean	0.4
Median	0.38	Median	0.38
Standard Deviation	4.798	Standard Deviation	4.798
Coefficient of Variation (CoV)	2.54	Coefficient of Variation (CoV)	2.54

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	**-211**	M-K Test Value (S)	-211
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	67.44	Standard Deviation of S	67.44
Standardized Value of S	-3.114	Standardized Value of S	-3.114
Approximate p-value	9.23E-04	Approximate p-value	9.23E-04

Statistically significant evidence of a decreasing trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Iron MW-15I

Confidence Factor < 90%; S<0; CoV>1 - No Trend

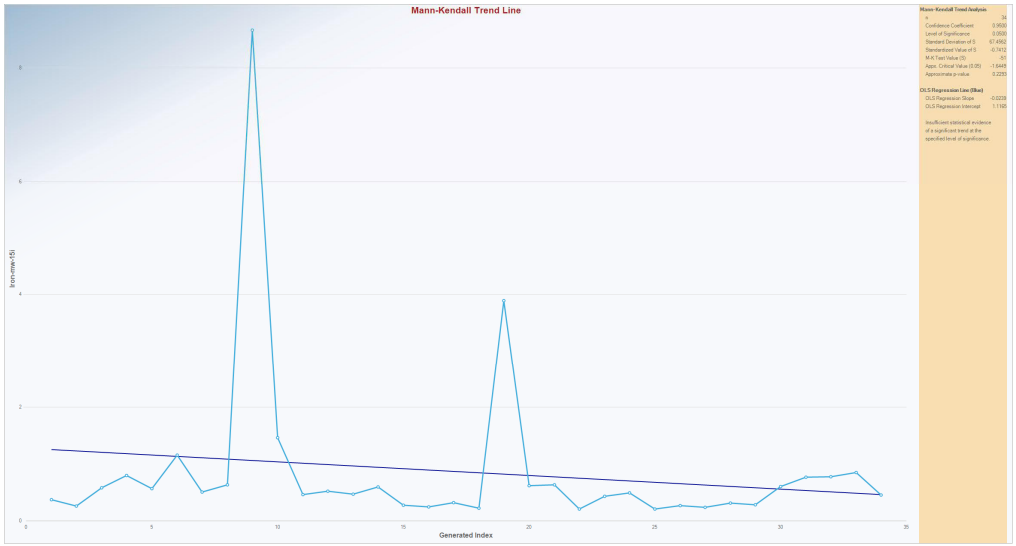
Confidence Coefficient	95%		Confidence Coefficient	**90%**
Level of Significance	0.05		Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	34	Number of Generated Events	34
Number Values Reported (n)	35	Number Values Reported (n)	35
Number Values Missing	1	Number Values Missing	1
Number Values Used	34	Number Values Used	34
Minimum	0.05	Minimum	0.05
Maximum	8.5	Maximum	8.5
Mean	0.698	Mean	0.698
Geometric Mean	0.312	Geometric Mean	0.312
Median	0.343	Median	0.343
Standard Deviation	1.52	Standard Deviation	1.52
Coefficient of Variation (CoV)	2.179	Coefficient of Variation (CoV)	**2.179**

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	-51	M-K Test Value (S)	**-51**
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	67.46	Standard Deviation of S	67.46
Standardized Value of S	-0.741	Standardized Value of S	-0.741
Approximate p-value	0.229	Approximate p-value	0.229

Insufficient evidence to identify a significant trend at the specified level of significance.

Insufficient evidence to identify a significant trend at the specified level of significance.



Iron MW-4D

Confidence Factor >95%; S>0 - Upward trend

Confidence Coefficient	**95%**
Level of Significance	0.05

General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	41
Number Values Reported (n)	41
Minimum	0.084
Maximum	55.1
Mean	3.787
Geometric Mean	0.755
Median	0.378
Standard Deviation	9.209
Coefficient of Variation (CoV)	2.432

Mann-Kendall Test

M-K Test Value (S)	**261**
Critical Value (0.05)	1.645
Standard Deviation of S	88.98
Standardized Value of S	2.922
Approximate p-value	0.00174

Statistically significant evidence of an increasing trend at the specified level of significance.

Confidence Coefficient	90%
Level of Significance	0.1

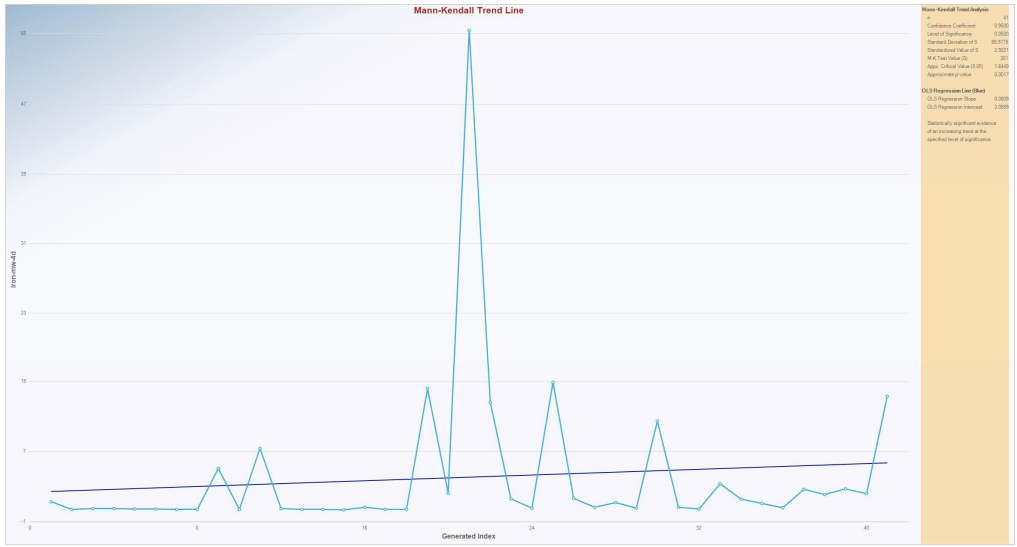
General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	41
Number Values Reported (n)	41
Minimum	0.084
Maximum	55.1
Mean	3.787
Geometric Mean	0.755
Median	0.378
Standard Deviation	9.209
Coefficient of Variation (CoV)	2.432

Mann-Kendall Test

M-K Test Value (S)	261
Critical Value (0.11)	1.227
Standard Deviation of S	88.98
Standardized Value of S	2.922
Approximate p-value	0.00174

Statistically significant evidence of an increasing trend at the specified level of significance.



Iron MW-4s

Confidence Factor ≥ 90% - Possible Upward trend

Confidence Coefficient	95%
Level of Significance	0.05

General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	34
Number Values Reported (n)	35
Number Values Missing	1
Number Values Used	34
Minimum	0.1
Maximum	9.14
Mean	3.828
Geometric Mean	3.245
Median	4
Standard Deviation	1.816
Coefficient of Variation (CoV)	0.474

Mann-Kendall Test

M-K Test Value (S)	94
Critical Value (0.05)	1.645
Standard Deviation of S	67.43
Standardized Value of S	1.379
Approximate p-value	0.0839

Insufficient evidence to identify a significant trend at the specified level of significance.

Confidence Coefficient	**90%**
Level of Significance	0.1

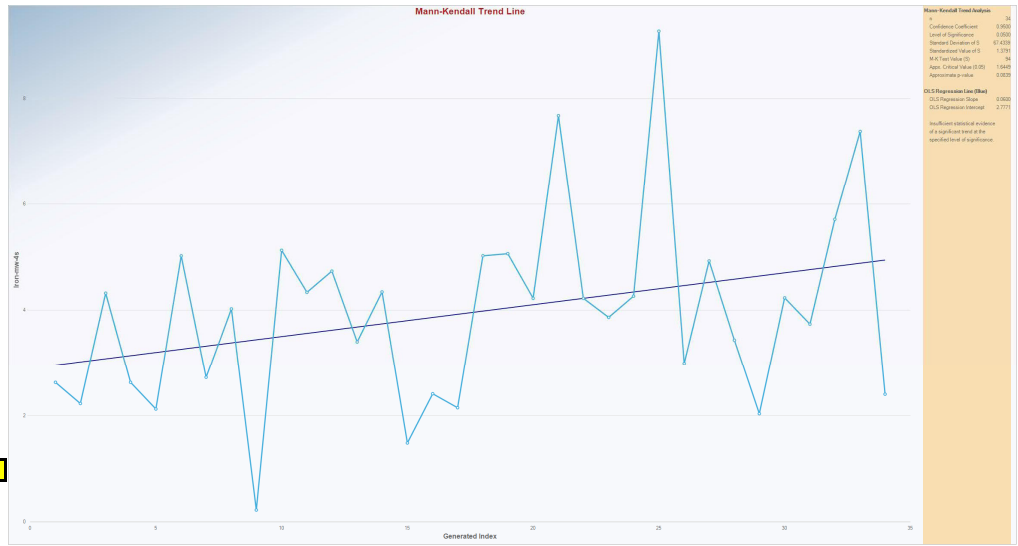
General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	34
Number Values Reported (n)	35
Number Values Missing	1
Number Values Used	34
Minimum	0.1
Maximum	9.14
Mean	3.828
Geometric Mean	3.245
Median	4
Standard Deviation	1.816
Coefficient of Variation (CoV)	0.474

Mann-Kendall Test

M-K Test Value (S)	**94**
Critical Value (0.11)	1.227
Standard Deviation of S	67.43
Standardized Value of S	1.379
Approximate p-value	0.0839

Statistically significant evidence of an increasing trend at the specified level of significance.



Mann-Kendall Trend Test Analysis

Manganese MW-11D

Confidence Factor >95%; S<0 - Downward trend

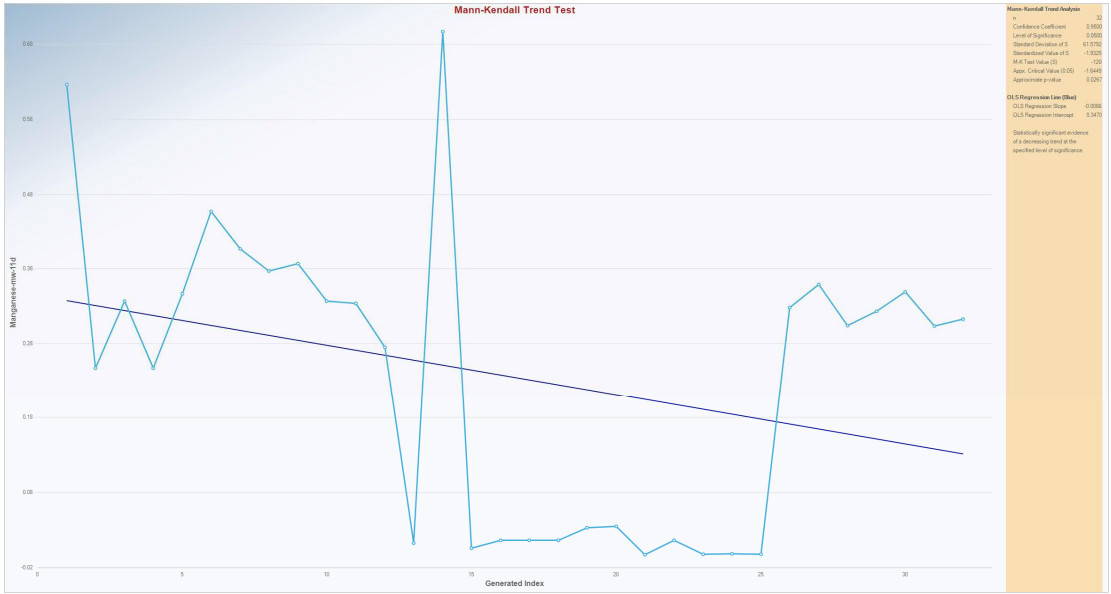
Confidence Coefficient	95%	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	32	Number of Generated Events	32
Number Values Reported (n)	32	Number Values Reported (n)	32
Minimum	7.90E-04	Minimum	7.90E-04
Maximum	0.7	Maximum	0.7
Mean	0.238	Mean	0.238
Geometric Mean	0.0862	Geometric Mean	0.0862
Median	0.307	Median	0.307
Standard Deviation	0.196	Standard Deviation	0.196
Coefficient of Variation (CoV)	0.825	Coefficient of Variation (CoV)	0.825

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	-120	M-K Test Value (S)	-120
Critical Value (0.05)	-1.645	Critical Value (0.1)	-1.282
Standard Deviation of S	61.58	Standard Deviation of S	61.58
Standardized Value of S	-1.932	Standardized Value of S	-1.932
Approximate p-value	0.0267	Approximate p-value	0.0267

Statistically significant evidence of a decreasing trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Manganese MW-11S

Confidence Factor >95%; S<0 - Downward trend

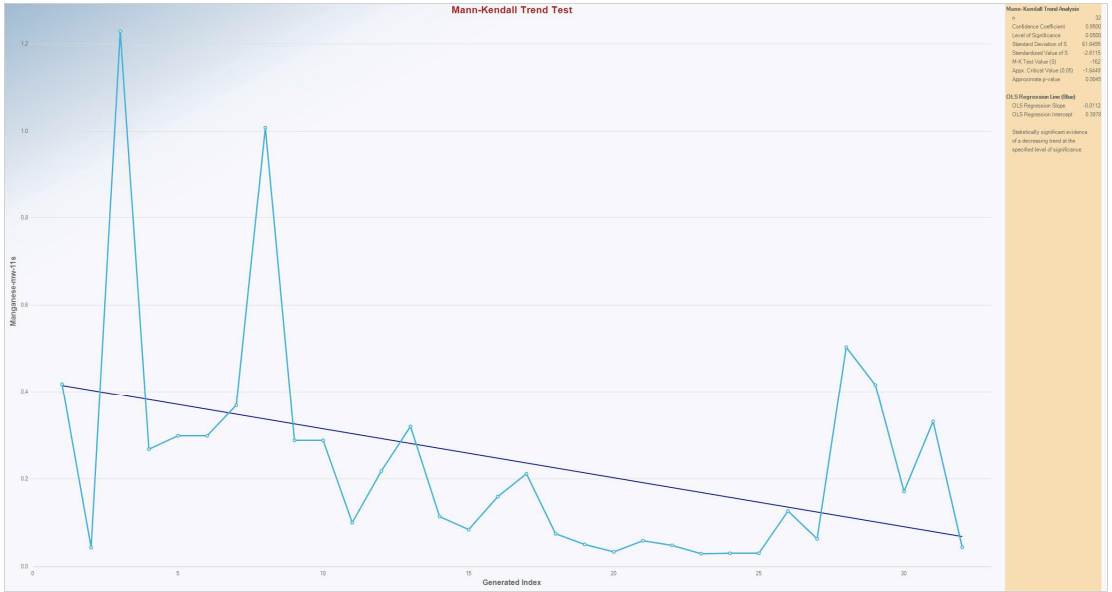
Confidence Coefficient	95%	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	32	Number of Generated Events	32
Number Values Reported (n)	32	Number Values Reported (n)	32
Minimum	0.0015	Minimum	0.0015
Maximum	1.2	Maximum	1.2
Mean	0.213	Mean	0.213
Geometric Mean	0.0817	Geometric Mean	0.0817
Median	0.137	Median	0.137
Standard Deviation	0.269	Standard Deviation	0.269
Coefficient of Variation (CoV)	1.261	Coefficient of Variation (CoV)	1.261

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	-162	M-K Test Value (S)	-162
Critical Value (0.05)	-1.645	Critical Value (0.1)	-1.282
Standard Deviation of S	61.65	Standard Deviation of S	61.65
Standardized Value of S	-2.612	Standardized Value of S	-2.612
Approximate p-value	0.00451	Approximate p-value	0.00451

Statistically significant evidence of a decreasing trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Manganese MW-4D

Confidence Factor ≥ 90% - Possible Upward trend

Confidence Coefficient	95%
Level of Significance	0.05

General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	38
Number Values Reported (n)	38
Minimum	0.049
Maximum	22.2
Mean	1.614
Geometric Mean	0.715
Median	0.748
Standard Deviation	3.629
Coefficient of Variation (CoV)	2.248

Mann-Kendall Test

M-K Test Value (S)	122
Critical Value (0.05)	1.645
Standard Deviation of S	79.52
Standardized Value of S	1.522
Approximate p-value	0.064

Insufficient evidence to identify a significant trend at the specified level of significance.

Confidence Coefficient	**90%**
Level of Significance	0.1

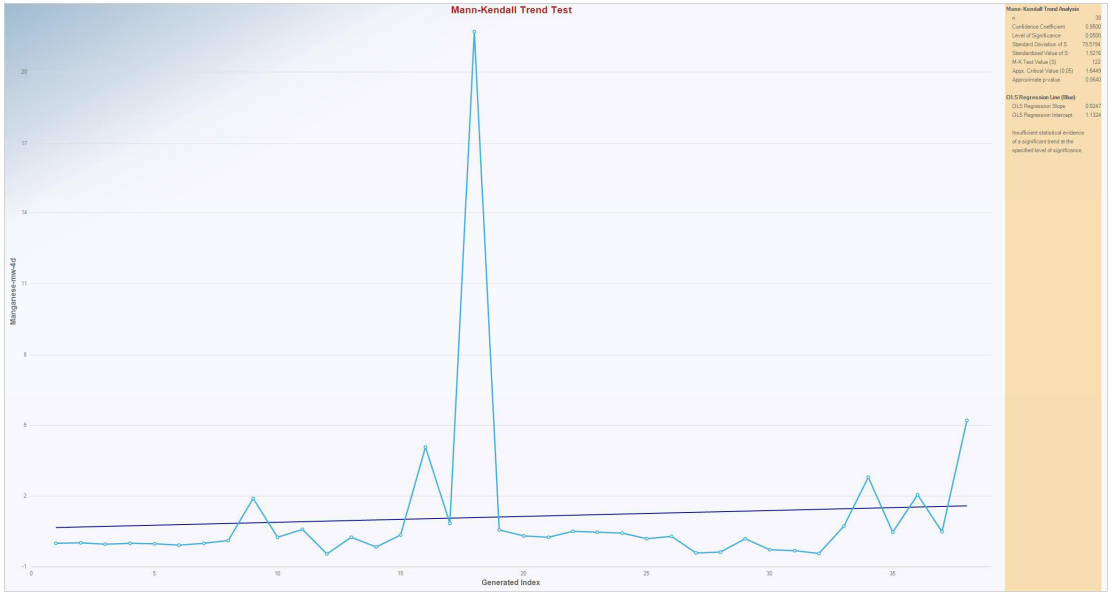
General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	38
Number Values Reported (n)	38
Minimum	0.049
Maximum	22.2
Mean	1.614
Geometric Mean	0.715
Median	0.748
Standard Deviation	3.629
Coefficient of Variation (CoV)	2.248

Mann-Kendall Test

M-K Test Value (S)	**122**
Critical Value (0.1)	1.282
Standard Deviation of S	79.52
Standardized Value of S	1.522
Approximate p-value	0.064

Statistically significant evidence of an increasing trend at the specified level of significance.



Manganese MW-4S

Confidence Factor >95%; S>0 - Upward trend

Confidence Coefficient	**95%**
Level of Significance	0.05

General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	32
Number Values Reported (n)	32
Minimum	0.499
Maximum	3.91
Mean	2.023
Geometric Mean	1.785
Median	2.01
Standard Deviation	0.934
Coefficient of Variation (CoV)	0.461

Mann-Kendall Test

M-K Test Value (S)	**158**
Critical Value (0.05)	1.645
Standard Deviation of S	61.58
Standardized Value of S	2.55
Approximate p-value	0.00539

Statistically significant evidence of an increasing trend at the specified level of significance.

Confidence Coefficient	90%
Level of Significance	0.1

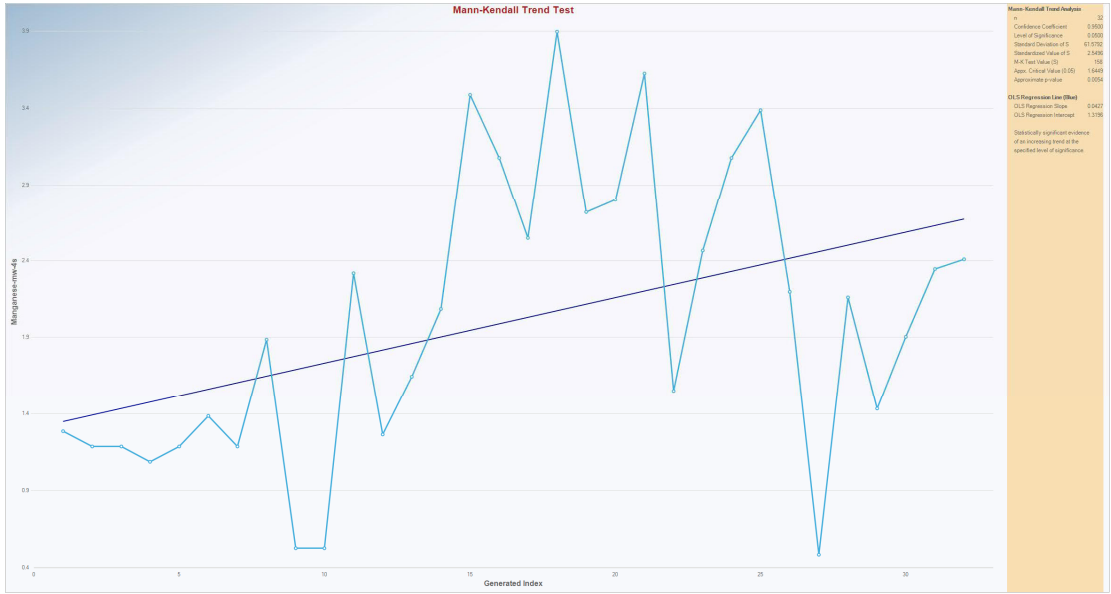
General Statistics

Number or Reported Events Not Used	0
Number of Generated Events	32
Number Values Reported (n)	32
Minimum	0.499
Maximum	3.91
Mean	2.023
Geometric Mean	1.785
Median	2.01
Standard Deviation	0.934
Coefficient of Variation (CoV)	0.461

Mann-Kendall Test

M-K Test Value (S)	158
Critical Value (0.1)	1.282
Standard Deviation of S	61.58
Standardized Value of S	2.55
Approximate p-value	0.00539

Statistically significant evidence of an increasing trend at the specified level of significance.



Mann-Kendall Trend Test Analysis

Trichloroethene MW-7D

Confidence Factor >95%; S>0 - Upward trend

Confidence Coefficient	**95%**		Confidence Coefficient	90%
Level of Significance	0.05		Level of Significance	0.1
General Statistics			**General Statistics**	
Number or Reported Events Not Used	0		Number or Reported Events Not Used	0
Number of Generated Events	41		Number of Generated Events	41
Number Values Reported (n)	41		Number Values Reported (n)	41
Minimum	1.2		Minimum	1.2
Maximum	24		Maximum	24
Mean	8.678		Mean	8.678
Geometric Mean	7.353		Geometric Mean	7.353
Median	8		Median	8
Standard Deviation	4.794		Standard Deviation	4.794
Coefficient of Variation (CoV)	0.552		Coefficient of Variation (CoV)	0.552
Mann-Kendall Test			**Mann-Kendall Test**	
M-K Test Value (S)	**184**		M-K Test Value (S)	184
Critical Value (0.05)	1.645		Critical Value (0.11)	1.227
Standard Deviation of S	88.84		Standard Deviation of S	88.84
Standardized Value of S	2.06		Standardized Value of S	2.06
Approximate p-value	0.0197		Approximate p-value	0.0197

Statistically significant evidence of an increasing trend at the specified level of significance.

Statistically significant evidence of an increasing trend at the specified level of significance.



Mann-Kendall Trend Test Analysis

Sodium MW-10D

Confidence Factor >95%; S<0 - Downward trend

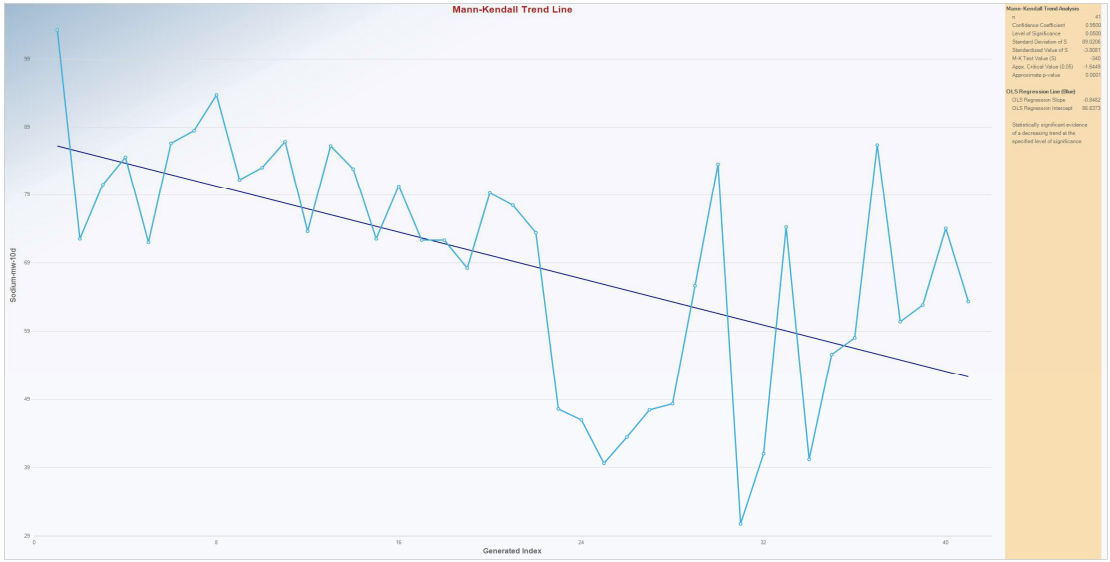
Confidence Coefficient	**95%**	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	41	Number of Generated Events	41
Number Values Reported (n)	41	Number Values Reported (n)	41
Minimum	30.55	Minimum	30.55
Maximum	103	Maximum	103
Mean	69.02	Mean	69.02
Geometric Mean	66.6	Geometric Mean	66.6
Median	72.3	Median	72.3
Standard Deviation	17.24	Standard Deviation	17.24
Coefficient of Variation (CoV)	0.25	Coefficient of Variation (CoV)	0.25

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	**-340**	M-K Test Value (S)	-340
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	89.02	Standard Deviation of S	89.02
Standardized Value of S	-3.808	Standardized Value of S	-3.808
Approximate p-value	7.00E-05	Approximate p-value	7.00E-05

Statistically significant evidence of a decreasing trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Sodium MW-10S

Confidence Factor < 90%; S<0; CoV<1 - Stable

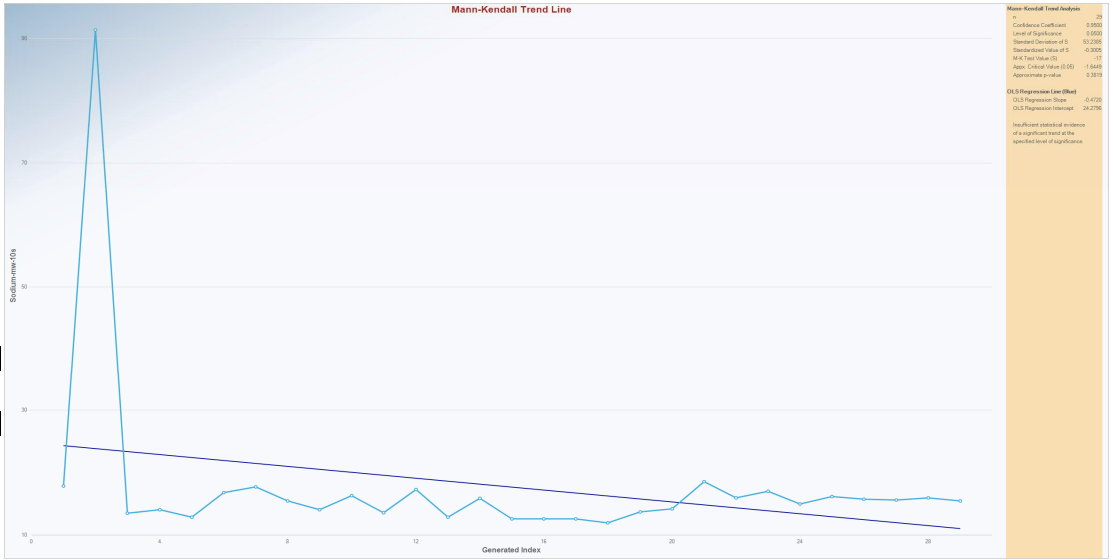
Confidence Coefficient	95%	Confidence Coefficient	**90%**
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	29	Number of Generated Events	29
Number Values Reported (n)	29	Number Values Reported (n)	29
Minimum	11.5	Minimum	11.5
Maximum	90.9	Maximum	90.9
Mean	17.2	Mean	17.2
Geometric Mean	15.4	Geometric Mean	15.4
Median	15	Median	15
Standard Deviation	14.29	Standard Deviation	14.29
Coefficient of Variation (CoV)	0.831	Coefficient of Variation (CoV)	**0.831**

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	-17	M-K Test Value (S)	**-17**
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	53.24	Standard Deviation of S	53.24
Standardized Value of S	-0.301	Standardized Value of S	-0.301
Approximate p-value	0.382	Approximate p-value	0.382

Insufficient evidence to identify a significant trend at the specified level of significance.

Insufficient evidence to identify a significant trend at the specified level of significance.



Sodium MW-11D

Confidence Factor ≥ 90% - Possible Downward trend

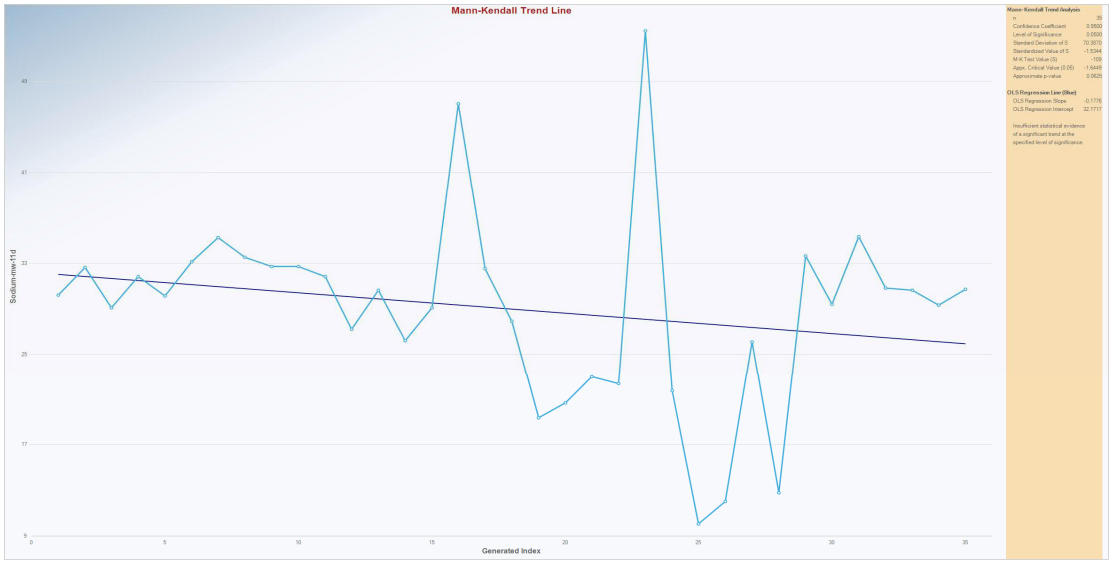
Confidence Coefficient	95%	Confidence Coefficient	**90%**
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	35	Number of Generated Events	35
Number Values Reported (n)	35	Number Values Reported (n)	35
Minimum	10.05	Minimum	10.05
Maximum	53.4	Maximum	53.4
Mean	28.97	Mean	28.97
Geometric Mean	27.61	Geometric Mean	27.61
Median	30.2	Median	30.2
Standard Deviation	8.351	Standard Deviation	8.351
Coefficient of Variation (CoV)	0.288	Coefficient of Variation (CoV)	0.288

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	-109	M-K Test Value (S)	**-109**
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	70.39	Standard Deviation of S	70.39
Standardized Value of S	-1.534	Standardized Value of S	-1.534
Approximate p-value	0.0625	Approximate p-value	0.0625

Insufficient evidence to identify a significant trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Sodium MW-11S

Confidence Factor >95%; S<0 - Downward trend

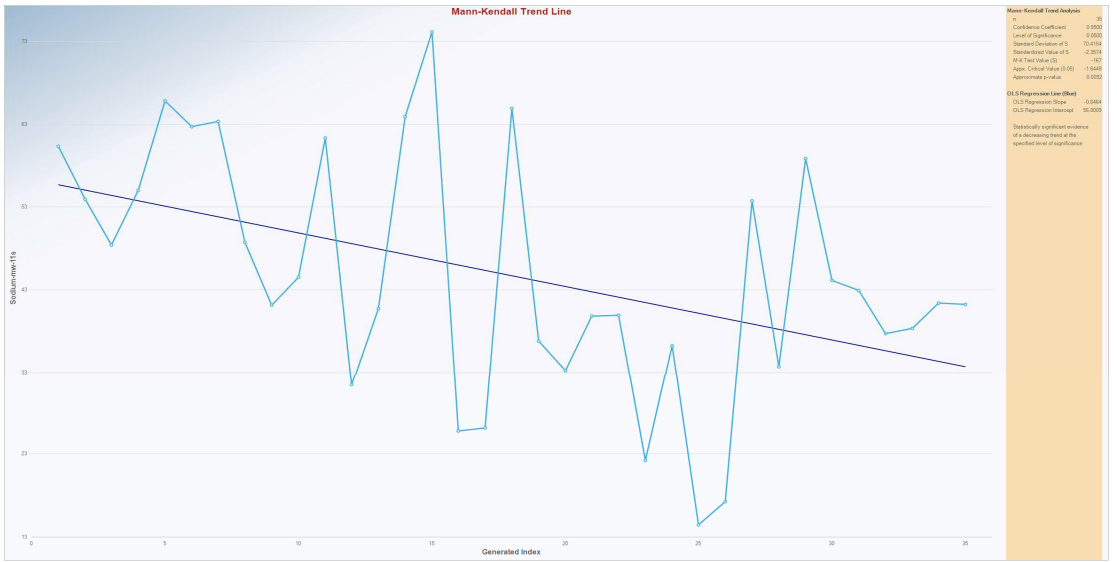
Confidence Coefficient	**95%**	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	35	Number of Generated Events	35
Number Values Reported (n)	35	Number Values Reported (n)	35
Minimum	14.95	Minimum	14.95
Maximum	74.6	Maximum	74.6
Mean	45.17	Mean	45.17
Geometric Mean	42.49	Geometric Mean	42.49
Median	41.9	Median	41.9
Standard Deviation	14.77	Standard Deviation	14.77
Coefficient of Variation (CoV)	0.327	Coefficient of Variation (CoV)	0.327

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	**-167**	M-K Test Value (S)	-167
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	70.42	Standard Deviation of S	70.42
Standardized Value of S	-2.357	Standardized Value of S	-2.357
Approximate p-value	0.0092	Approximate p-value	0.0092

Statistically significant evidence of a decreasing trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Sodium MW-12D

Confidence Factor >95%; S<0 - Downward trend

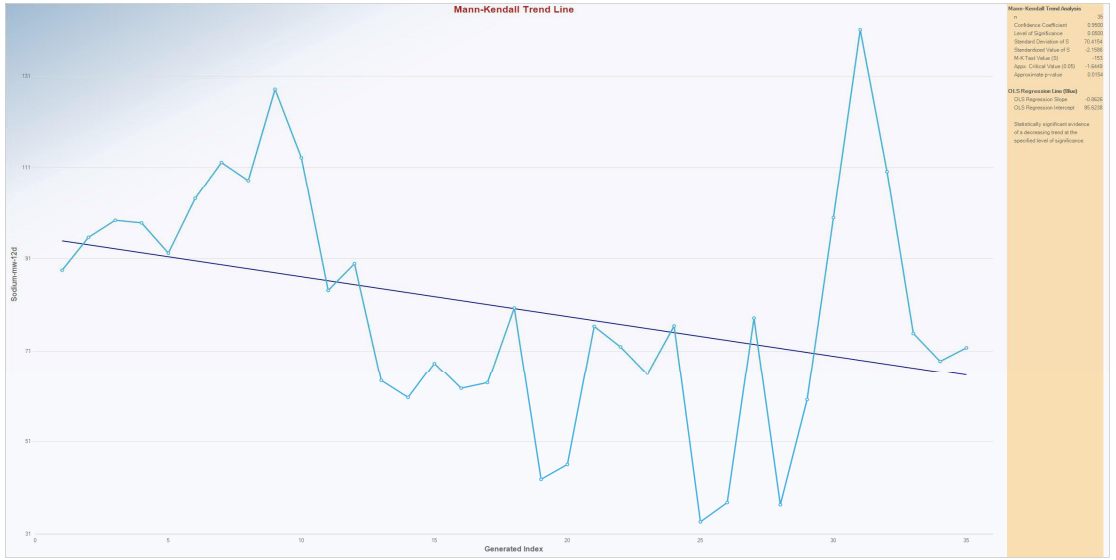
Confidence Coefficient	**95%**	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	35	Number of Generated Events	35
Number Values Reported (n)	35	Number Values Reported (n)	35
Minimum	33.55	Minimum	33.55
Maximum	141	Maximum	141
Mean	80.1	Mean	80.1
Geometric Mean	75.75	Geometric Mean	75.75
Median	76.4	Median	76.4
Standard Deviation	25.82	Standard Deviation	25.82
Coefficient of Variation (CoV)	0.322	Coefficient of Variation (CoV)	0.322

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	**-153**	M-K Test Value (S)	-153
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	70.42	Standard Deviation of S	70.42
Standardized Value of S	-2.159	Standardized Value of S	-2.159
Approximate p-value	0.0154	Approximate p-value	0.0154

Statistically significant evidence of a decreasing trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Sodium MW-12S

Confidence Factor >95%; S<0 - Downward trend

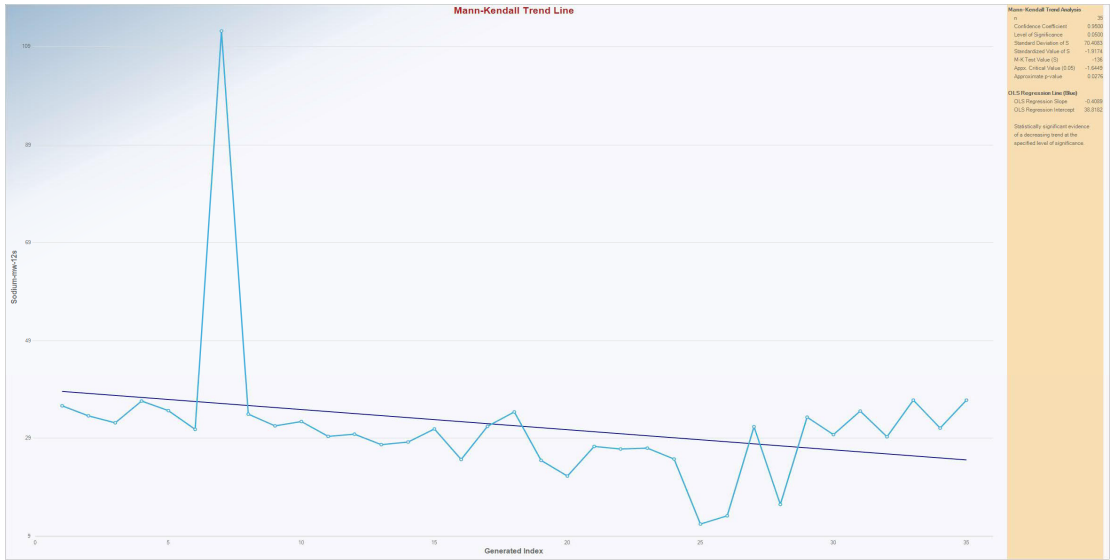
Confidence Coefficient	**95%**	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	35	Number of Generated Events	35
Number Values Reported (n)	35	Number Values Reported (n)	35
Minimum	11.45	Minimum	11.45
Maximum	112	Maximum	112
Mean	31.46	Mean	31.46
Geometric Mean	29.35	Geometric Mean	29.35
Median	30.8	Median	30.8
Standard Deviation	15.31	Standard Deviation	15.31
Coefficient of Variation (CoV)	0.487	Coefficient of Variation (CoV)	0.487

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	**-136**	M-K Test Value (S)	-136
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	70.41	Standard Deviation of S	70.41
Standardized Value of S	-1.917	Standardized Value of S	-1.917
Approximate p-value	0.0276	Approximate p-value	0.0276

Statistically significant evidence of a decreasing trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Sodium MW-15I

Confidence Factor >95%; S<0 - Downward trend

Confidence Coefficient	95%	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	35	Number of Generated Events	35
Number Values Reported (n)	35	Number Values Reported (n)	35
Minimum	10.75	Minimum	10.75
Maximum	79.5	Maximum	79.5
Mean	37.84	Mean	37.84
Geometric Mean	34.87	Geometric Mean	34.87
Median	34	Median	34
Standard Deviation	15.11	Standard Deviation	15.11
Coefficient of Variation (CoV)	0.399	Coefficient of Variation (CoV)	0.399

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	-327	M-K Test Value (S)	-327
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	70.4	Standard Deviation of S	70.4
Standardized Value of S	-4.631	Standardized Value of S	-4.631
Approximate p-value	1.82E-06	Approximate p-value	1.82E-06

Statistically significant evidence of a decreasing trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Sodium MW-15S

Confidence Factor < 90%; S>0 - No Trend

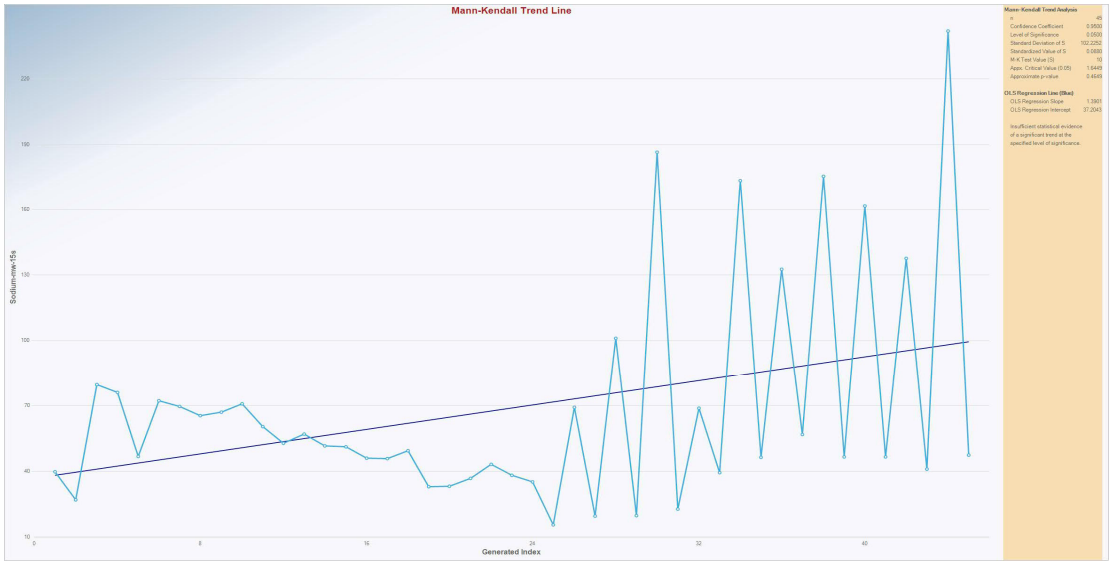
Confidence Coefficient	95%	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	45	Number of Generated Events	45
Number Values Reported (n)	45	Number Values Reported (n)	45
Minimum	16	Minimum	16
Maximum	242	Maximum	242
Mean	69.18	Mean	69.18
Geometric Mean	56.81	Geometric Mean	56.81
Median	51.4	Median	51.4
Standard Deviation	50.05	Standard Deviation	50.05
Coefficient of Variation (CoV)	0.724	Coefficient of Variation (CoV)	0.724

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	10	M-K Test Value (S)	10
Critical Value (0.05)	1.645	Critical Value (0.11)	1.227
Standard Deviation of S	102.2	Standard Deviation of S	102.2
Standardized Value of S	0.088	Standardized Value of S	0.088
Approximate p-value	0.465	Approximate p-value	0.465

Insufficient evidence to identify a significant trend at the specified level of significance.

Insufficient evidence to identify a significant trend at the specified level of significance.



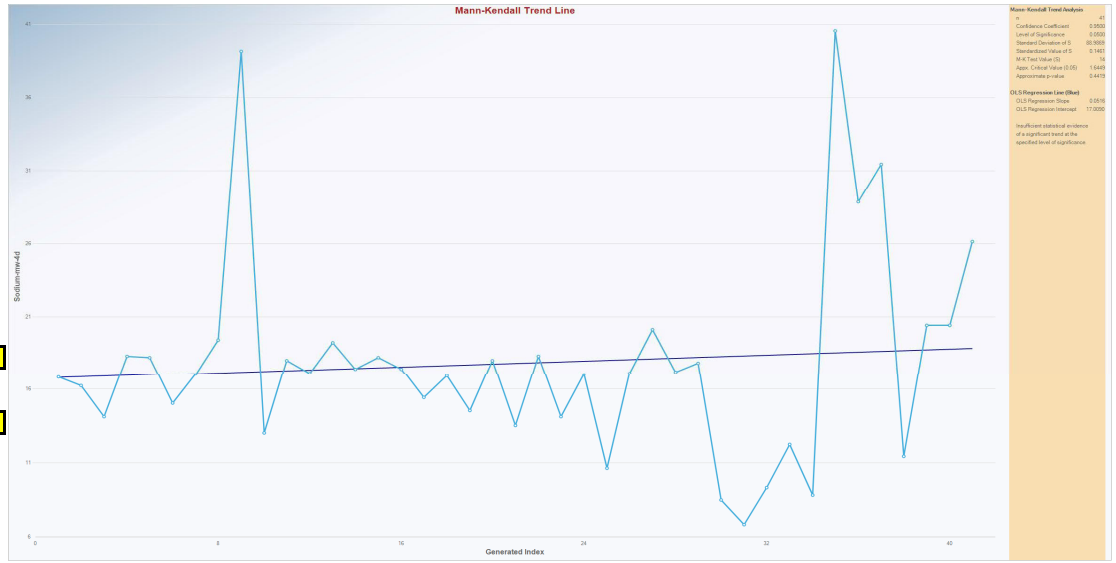
Sodium MW-4D

Confidence Factor < 90%; S>0 - No Trend

Confidence Coefficient	95%	Confidence Coefficient	**90%**
Level of Significance	0.05	Level of Significance	0.1
General Statistics		**General Statistics**	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	41	Number of Generated Events	41
Number Values Reported (n)	41	Number Values Reported (n)	41
Minimum	7.1	Minimum	7.1
Maximum	40.8	Maximum	40.8
Mean	18.09	Mean	18.09
Geometric Mean	16.98	Geometric Mean	16.98
Median	17.4	Median	17.4
Standard Deviation	6.99	Standard Deviation	6.99
Coefficient of Variation (CoV)	0.386	Coefficient of Variation (CoV)	**0.386**
Mann-Kendall Test		**Mann-Kendall Test**	
M-K Test Value (S)	14	M-K Test Value (S)	**14**
Critical Value (0.05)	1.645	Critical Value (0.11)	1.227
Standard Deviation of S	88.99	Standard Deviation of S	88.99
Standardized Value of S	0.146	Standardized Value of S	0.146
Approximate p-value	0.442	Approximate p-value	0.442

Insufficient evidence to identify a significant trend at the specified level of significance.

Insufficient evidence to identify a significant trend at the specified level of significance.



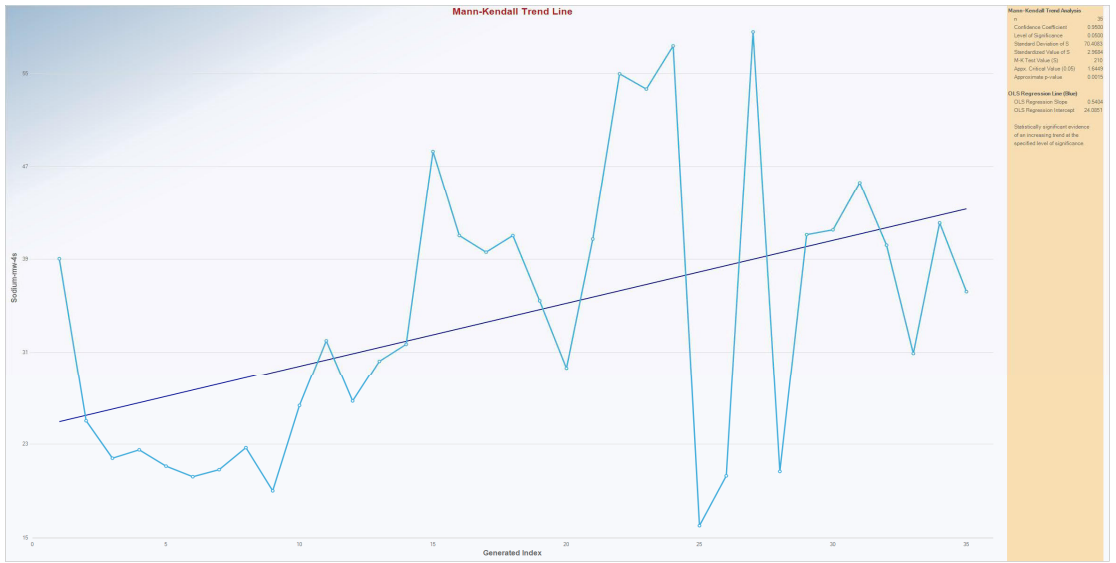
Sodium MW-4S

Confidence Factor >95%; S>0 - Upward trend

Confidence Coefficient	**95%**	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1
General Statistics		**General Statistics**	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	35	Number of Generated Events	35
Number Values Reported (n)	35	Number Values Reported (n)	35
Minimum	15.75	Minimum	15.75
Maximum	58.3	Maximum	58.3
Mean	33.81	Mean	33.81
Geometric Mean	31.77	Geometric Mean	31.77
Median	31.7	Median	31.7
Standard Deviation	11.93	Standard Deviation	11.93
Coefficient of Variation (CoV)	0.353	Coefficient of Variation (CoV)	0.353
Mann-Kendall Test		**Mann-Kendall Test**	
M-K Test Value (S)	**210**	M-K Test Value (S)	210
Critical Value (0.05)	1.645	Critical Value (0.11)	1.227
Standard Deviation of S	70.41	Standard Deviation of S	70.41
Standardized Value of S	2.968	Standardized Value of S	2.968
Approximate p-value	0.0015	Approximate p-value	0.0015

Statistically significant evidence of an increasing trend at the specified level of significance.

Statistically significant evidence of an increasing trend at the specified level of significance.



Sodium MW-7D

Confidence Factor ≥ 90% - Possible Downward trend

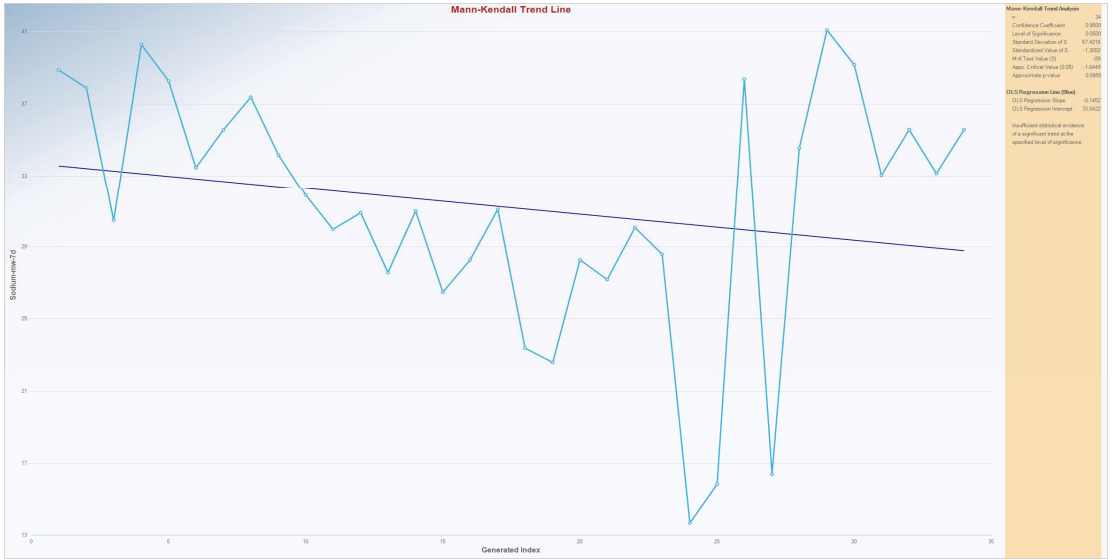
Confidence Coefficient	95%	Confidence Coefficient	**90%**
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	34	Number of Generated Events	34
Number Values Reported (n)	34	Number Values Reported (n)	34
Minimum	13.8	Minimum	13.8
Maximum	41.2	Maximum	41.2
Mean	31.3	Mean	31.3
Geometric Mean	30.4	Geometric Mean	30.4
Median	31.6	Median	31.6
Standard Deviation	6.865	Standard Deviation	6.865
Coefficient of Variation (CoV)	0.219	Coefficient of Variation (CoV)	0.219

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	-89	M-K Test Value (S)	**-89**
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	67.42	Standard Deviation of S	67.42
Standardized Value of S	-1.305	Standardized Value of S	-1.305
Approximate p-value	0.0959	Approximate p-value	0.0959

Insufficient evidence to identify a significant trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



Sodium MW-7S

Confidence Factor >95%; S<0 - Downward trend

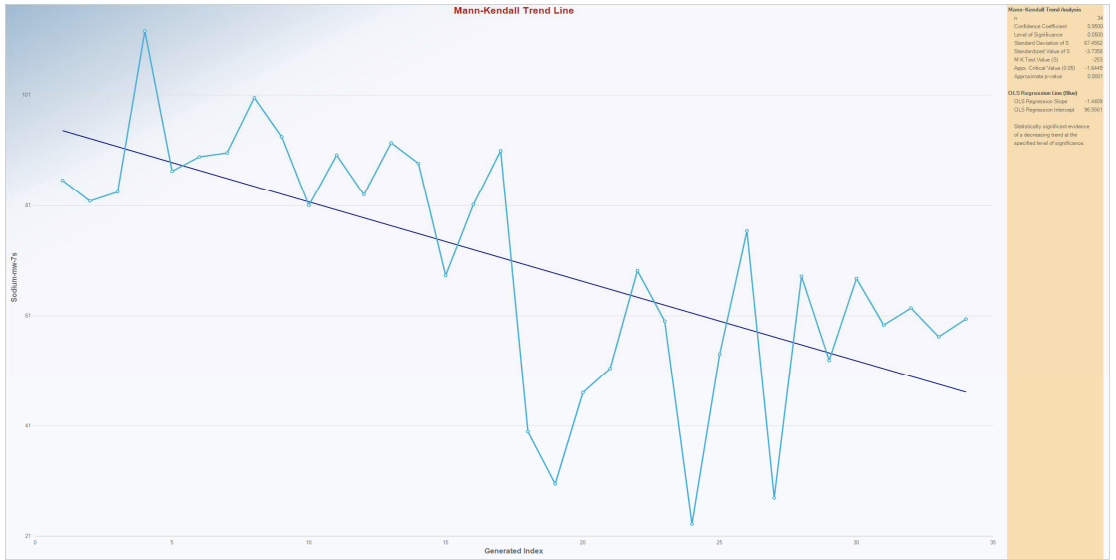
Confidence Coefficient	**95%**	Confidence Coefficient	90%
Level of Significance	0.05	Level of Significance	0.1

General Statistics		General Statistics	
Number or Reported Events Not Used	0	Number or Reported Events Not Used	0
Number of Generated Events	34	Number of Generated Events	34
Number Values Reported (n)	34	Number Values Reported (n)	34
Minimum	23.7	Minimum	23.7
Maximum	113	Maximum	113
Mean	71.34	Mean	71.34
Geometric Mean	67.37	Geometric Mean	67.37
Median	73.3	Median	73.3
Standard Deviation	21.68	Standard Deviation	21.68
Coefficient of Variation (CoV)	0.304	Coefficient of Variation (CoV)	0.304

Mann-Kendall Test		Mann-Kendall Test	
M-K Test Value (S)	**-253**	M-K Test Value (S)	-253
Critical Value (0.05)	-1.645	Critical Value (0.11)	-1.227
Standard Deviation of S	67.46	Standard Deviation of S	67.46
Standardized Value of S	-3.736	Standardized Value of S	-3.736
Approximate p-value	9.36E-05	Approximate p-value	9.36E-05

Statistically significant evidence of a decreasing trend at the specified level of significance.

Statistically significant evidence of a decreasing trend at the specified level of significance.



APPENDIX

G

Data Usability Summary Reports

DATA VALIDATION REPORT

SDG #(s)	L2250810 L2259862
Validation Report Date:	November 15, 2022
Validation Guidance:	Environmental Protection Agency (EPA). November 2020. National Functional Guidelines for Inorganic Methods Data Review. OLEM 9240.1-66. EPA-542-R-20-006. Environmental Protection Agency (EPA). November 2020. National Functional Guidelines for Organic Methods Data Review. OLEM 9240.1-51. EPA-540-R-20-005.
Project Name:	Edward Allen Landfill
Project Manager	Mark Saunders
Project #:	B2101342.006.1
Analytical Laboratory	Alpha Analytical, Westborough, MA Alpha Analytical, Mansfield, MA
Method(s) Utilized	SW 8260C SW 6010D

SUMMARY

The sample sets for SDGs L2250810 and L2259862 for the project consist of 22 field samples, one (1) matrix spike/matrix spike duplicate (MS/MSD), one (1) field rinsate blank, and two (2) trip blanks. These samples are analyzed for the parameters provided in Table 1. Data qualifications resulting from the data validation are provided in Table 2. The findings presented in this review of the analytical data assume that the information presented by the analytical laboratory are correct.

Analytical data in this report were reviewed to determine analytical limitations of the data based on specific quality control criteria. This review is performed on a laboratory signed data package. The laboratory signature indicates that the laboratory has reviewed and has certified that the information provided in the data package is correct and complete. The results of the review are an interpretation of the reported quality control information provided by the laboratory in comparison to the specified validation criteria for the project. Form Is and/or analytical results sheets are annotated with the results of the validation.

This evaluation was conducted in accordance with the Operation and Maintenance Manual, Edward Allen Landfill, Appendix C, Data Collection Quality Assurance Plan (DCQAP; October 2021), USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic and Inorganic Data Review (November 2020), and the analytical methods themselves.

Based on the DCQAP, the following items were reviewed in this validation report:

- Data Completeness
- Compound Quantitation
- Sample Preservation
- Preparation and analytical holding times

- Analytical methods and detection limits
- Laboratory and field blanks
- Surrogate recoveries
- Laboratory control samples/duplicates (LCS/LCSD)
- MS/MSD recoveries
- Field and laboratory duplicates
- Serial Dilutions (Metals only)

FINDINGS

DATA COMPLETENESS

Case narratives were included in both SDG L2250810 and L2259862 and summarized any issues such as preservation corrections, dilutions, or laboratory quality control (QC) issues such as QC samples being outside acceptance criteria. The sample chain of custodies (COCs) and the Sample Receipt and Container Information Report were included in the laboratory report and appear to be complete.

No rinse blank (RB) or trip blank (TB) were submitted for SDG L2259862, RB and TB frequency meets the requirements outlined in the DCQAP.

COMPOUND QUANTITATION

All non-detect (ND) or estimated concentrations (J-qualified by the laboratory) have been quantified to the method detection limit (MDL). Reporting Limits (RL) provided by the laboratory were at or below the project specific RL summarized in Table 2 of the DCQAP.

SAMPLE PRESERVATION

The samples listed below were received by the laboratory above the appropriate pH for the total metals analysis. The laboratory added additional preservative (HNO_3) upon receipt to get the pH below 2. There is no other action but to note.

Sample ID:	Laboratory ID:	Initial pH:	Final pH:
MW-15I	L2250810-15	3	<2
RB	L2250810-15	3	<2
MW-4D	L2259862-02	3	<2
RW 2094	L2259862-07	4	<2

The COC associated with SDG L2250810 indicated that two samples MW4D (L2250810-02) and MW-10S (L2250810-05) needed to be filtered in the laboratory.

SAMPLE PREPARATION/HOLDING TIMES

Samples were prepared and analyzed within the method and project specified holding times listed on Table 3 of the DCQAP.

METHOD/PREPARATION BLANKS

Select analytes were detected in method/preparation blanks, as listed below.

- When the associated blank concentration was less than the RL and associated sample results were either non-detect or were greater than the RL, data were not qualified.
- When the blank concentration was less than the RL and associated field sample results were less than the RL, associated detected results were qualified as “U” at the reporting limit.
- When the blank concentration was greater than the RL but less than the blank result, associated detects were reported at the sample result and qualified as “U”.

SDG	Blank ID	Analyte	Result (µg/l)	Laboratory Qualifier	Reporting Limit (µg/l)	Method Detection Limit (µg/l)
L2250810	WG1688662-1	Sodium, Total	0.243	J	2.00	0.120
L2250810	WG1688664-1	Mercury, Total	0.00009	J	0.00020	0.00009
L2250810	WG1688867-1	Arsenic, Total	0.0003	J	0.0010	0.0002
L2250810	WG1688870-1	Sodium, Total	0.269	J	2.00	0.120
L2250810	WG1688872-1	Mercury, Total	0.0001	J	0.0002	0.0001
L2259862	WG1705371-1	Calcium, Total	0.0403	J	0.100	0.0350
L2259862	WG1705371-1	Zinc, Total	0.0027	J	0.0500	0.0021
L2259862	WG1705427-1	Iron, Dissolved	0.0174	J	0.0500	0.0090
L2259862	WG1706322-1	Chromium, Total	0.0002	J	0.0010	0.0002

FIELD, EQUIPMENT BLANKS, TRIP BLANKS

Analytes were detected in the rinsate and trip blank, as listed below. Associated qualifications are listed in Table 2.

- When the associated blank concentration was less than the RL and associated sample results were either non-detect or were greater than the RL, data were not qualified.

SDG	Blank ID	Analyte	Result (µg/l)	Laboratory Qualifier	Reporting Limit (µg/l)	Method Detection Limit (µg/l)
L2250810	TB	Acetone	2.6	J	5.0	1.5
L2250810	RB	Calcium, Total	0.387		0.100	0.035
L2250810	RB	Iron, Total	0.017	J	0.050	0.009
L2250810	RB	Magnesium, Total	0.025	J	0.100	0.015
L2250810	RB	Mercury, Total	0.00010	J	0.00020	0.00009
L2250810	RB	Sodium, Total	0.285	J	2.0	0.120
L2250810	RB	Zinc, Total	0.005	J	0.050	0.002

SURROGATE RECOVERIES

Surrogate recoveries were within acceptable limits.

LABORATORY CONTROL SAMPLES (LCS) AND LABORATORY CONTROL SAMPLES DUPLICATE (LCSD)

LCS recoveries were above quality control limits, as indicated below. No LCS duplicates were reported for metals analyses. Data are not qualified if only one of the three quality indicators (LCS, LCSD, or RPD) are outside control limits. If LCS/LCSD recoveries are greater than the upper control limit, non-detect results are not qualified.

Method	Sample ID	Analyte	LCS	LCSD	Low Limit	High Limit	Laboratory Qualifier
SW 8260C	WG1689733-3 WG1689733-4	Chloromethane	150	140	64	130	Q
SW 8260C	WG1689733-3 WG1689733-4	1,4-Dioxane	54	60	56	162	Q

MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLES (MS/MSDs)

MW-13D (L2250810-12) was used for the MS/MSD by the laboratory for method SW 8260C. The laboratory selected this sample to be analyzed as an MS/MSD. The field technician did not collect additional volume for the MS/MSD in the field.

SDG	Sample Name	Laboratory ID
L2250810	MW-13D	QC Sample: L2250810-12

Analyte	MS % Recovery	MSD % Recovery	% Recovery Limits	Relative Percent Difference (RPD)	RPD Limit
Chloromethane	150	150	64-130	0	20
Calcium, total	100	60	75-125	2	20

SDG	Sample Name	Laboratory ID
L2250810	2047 RW	QC Sample: L2250810-17

Analyte	MS % Recovery	MSD % Recovery	% Recovery Limits	Relative Percent Difference (RPD)	RPD Limit
Potassium, total	127	--	75-125	--	20

SDG	Sample Name	Laboratory ID
L2259862	RW 2094	QC Sample: L2259862-07

Analyte	MS % Recovery	MSD % Recovery	% Recovery Limits	Relative Percent Difference (RPD)	RPD Limit
Sodium, total[a]	0	--	75-125	--	20

[a] – Sample concentration was greater than 4x spiking concentration.

FIELD AND/OR LABORATORY DUPLICATE SAMPLES

Field duplicates are not required per the DCQAP. Laboratory duplicate samples were analyzed for method SW 6010D. RPDs and/or absolute difference values were within acceptable limits.

SDG	Sample Name	Laboratory ID
L2250810	2047 RW	QC Sample: L2250810-17
L2250810	2048 RW	QC Sample: L2250810-18

SERIAL DILUTIONS

All serial dilutions were within control limits.

NOTES

In SDG L2250810, samples MW-4D, MW-10S, and MW-15D for dissolved metals were placed on hold, pending results of the total metals. The samples were never taken off hold.

Table 1

Sample Summary Table
Edward Allen Landfill
Corning, New York

Sample ID:	Sample Date:	Laboratory ID:	Matrix:	VOCs	Metals
				SW 8260C	SW 6010D
MW-4S	9/13/2022 16:09	L2250810-01	Groundwater		X
MW-4D	9/13/2022 16:37	L2250810-02	Groundwater		X
MW-7S	9/14/2022 15:55	L2250810-03	Groundwater	X	X
MW-7D	9/14/2022 15:51	L2250810-04	Groundwater	X	X
MW-10S	9/15/2022 17:08	L2250810-05	Groundwater		X
MW-10D	9/13/2022 14:38	L2250810-06	Groundwater		X
MW-11S	9/15/2022 9:50	L2250810-07	Groundwater		X
MW-11D	9/15/2022 9:56	L2250810-08	Groundwater		X
MW-12S	9/14/2022 9:52	L2250810-09	Groundwater		X
MW-12D	9/14/2022 10:04	L2250810-10	Groundwater		X
MW-13S	9/14/2022 11:45	L2250810-11	Groundwater	X	X
MW-13D MS/MSD	9/14/2022 11:50	L2250810-12	Groundwater	X	X
MW-14S	9/15/2022 15:30	L2250810-13	Groundwater		X
MW-15S	9/15/2022 12:19	L2250810-14	Groundwater		X
MW-15I	9/15/2022 12:40	L2250810-15	Groundwater		X
MW-15D	9/15/2022 14:50	L2250810-16	Groundwater		X
2047 RW	9/14/2022 14:12	L2250810-17	Groundwater		X
2048 RW	9/12/2022 13:48	L2250810-18	Groundwater		X
RB	9/13/2022 0:00	L2250810-19	Water Quality	X	X
TB	9/13/2022 0:00	L2250810-20	Water Quality	X	
MW-4D	10/24/2022 17:15	L2259862-01	Groundwater		X
MW-4D	10/24/2022 17:15	L2259862-02	Groundwater		X
MW-10S	10/25/2022 10:40	L2259862-03	Groundwater		X
MW-10S	10/25/2022 10:40	L2259862-04	Groundwater		X

Sample ID:	Sample Date:	Laboratory ID:	Matrix:	VOCs	Metals
				SW 8260C	SW 6010D
MW-15D	10/24/2022 14:45	L2259862-05	Groundwater		X
MW-15D	10/24/2022 14:45	L2259862-06	Groundwater		X
RW 2094	10/25/2022 12:10	L2259862-07	Water Quality		X

VOCs: volatile organic compounds
MS/MSD: matrix spike/matrix spike duplicate
DUP: duplicate
TB: trip blank

Table 2

Qualifer Summary Table
Edward Allen Landfill
Corning, New York

SDG	Sample ID	Laboratory ID	Compound	New Result	RL	Qualifier	Reason
L2250810	MW-4S	L2250810-01	Total mercury	0.00009	0.0002	J+	Method blank detection and rinse blank
L2250810	MW-4S	L2250810-01	Total zinc	0.002	0.05	J+	Rinse blank detection
L2250810	MW-4S	L2250810-01	Total mercury	0.0002	0.0002	U	Method blank detection.
L2250810	MW-4D	L2250810-03	Total mercury	0.0002	0.0002	U	Method blank detection.
L2250810	MW-7S	L2250810-04	Total mercury	0.0002	0.0002	U	Method blank detection.
L2250810	MW-11S	L2250810-07	Total mercury	0.0002	0.0002	U	Method blank detection.
L2250810	MW-11D	L2250810-08	Total mercury	0.0002	0.0002	U	Method blank detection.
L2250810	2047 RW	L2250810-17	Total potassium	1.87	2.5	J+	MS recovery out of range.
L2259862	MW-4D	L2259862-01	Total Zinc	0.0032	0.0500	U	Method Blank detection.
L2259862	MW-4D	L2259862-02	Dissolved iron	0.0149	0.0500	U	Method Blank detection.
L2259862	MW-10S	L2259862-03	Total Zinc	0.0122	0.0500	U	Method Blank detection.
L2259862	MW-10S	L2259862-04	Dissolved iron	0.0142	0.0500	U	Method Blank detection.
L2259862	MW-15D	L2259862-05	Total Zinc	0.0107	0.0500	U	Method Blank detection.
L2259862	MW-15D	L2259862-06	Dissolved iron	0.0212	0.0500	U	Method Blank detection.
L2259862	RW 2094	L2259862-07	Total chromium	0.0006	0.0010	U	Method Blank detection.

Tunde Komuves-Sandor — 11/17/2022
Data Reviewer — **Date**

Michael Shadle — 11/28/2022
Peer Reviewer — **Date**

APPENDIX

H

Steuben County Seepage Disposal Records

STEUBEN COUNTY D.P.W.
BATH LANDFI

Ticket #: 1167493

DATE IN: 06/14/22 DATE OUT: 06/14/22
TIME IN: 09:27 AM TIME OUT: 10:00 AM
ID-IN: JLH ID-OUT: JLH

Vehicle#: C9121
TT= Commercial BY WEIGHT
OT= Not Specified

Haul Acct#: HALEACH
Haul Company: HALEY & ALDRICH OF NY 912

Bill Acct #: HALEACH
Bill Company: HALEY & ALDRICH OF NY 912

Gross:	86280 lb	43.14 tn
Tare:	34340 lb	17.17 tn
Net:	51940 lb	25.97 tn

Material

L-M Leachate 0

Subtotal: $259.70
Tax: $0.00

Total:
$259.70
Payment Method(s):
1 - Charge
$259.70

Change: $0.00

Driver:



ed allen
High visibility clothing is required at the Bath Landfill. Vests can be purchased at the Bath scale house if needed, $5.00 each.

STEUBEN COUNTY D.P.W.
BATH LANDFI

Ticket #: 1166720

DATE IN: 06/09/22 DATE OUT: 06/09/22
TIME IN: 10:26 AM TIME OUT: 11:02 AM
ID-IN: JLH ID-OUT: JLH

Vehicle#: C9121
TT= Commercial BY WEIGHT
OT= Not Specified

Haul Acct#: HALEACH
Haul Company: HALEY & ALDRICH OF NY 912

Bill Acct #: HALEACH
Bill Company: HALEY & ALDRICH OF NY 912

Gross:	85800 lb	42.90 tn
Tare:	34000 lb	17.00 tn
Net:	51800 lb	25.90 tn

Material

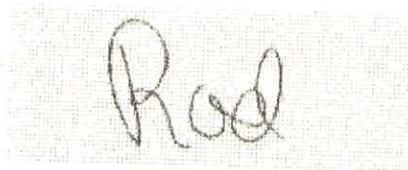
L-M Leachate 0

Subtotal: $259.00
Tax: $0.00

Total:
$259.00
Payment Method(s):
1 - Charge
$259.00

Change: $0.00

Driver:



ed allen
High visibility clothing is required at the Bath Landfill. Vests can be purchased at the Bath scale house if needed, $5.00 each.

STEUBEN COUNTY D.P.W.
BATH LANDFI

Ticket #: 1165244

DATE IN: 06/01/22 DATE OUT: 06/01/22
TIME IN: 08:40 AM TIME OUT: 09:15 AM
ID-IN: JLH ID-OUT: JLH

Vehicle#: C9121
TT= Commercial BY WEIGHT
OT= Not Specified

Haul Acct#: HALEACH
Haul Company: HALEY & ALDRICH OF NY 912

Bill Acct #: HALEACH
Bill Company: HALEY & ALDRICH OF NY 912

Gross:	86400 lb	43.20 tn
Tare:	34520 lb	17.26 tn
Net:	51880 lb	25.94 tn

Material

L-M Leachate 0

Subtotal: $259.40
Tax: $0.00

Total:
$259.40
Payment Method(s):
1 - Charge
$259.40

Change: $0.00

Driver:



ed allen
High visibility clothing is required at the Bath Landfill. Vests can be purchased at the Bath scale house if needed, $5.00 each.

STEUBEN COUNTY D.P.W.
BATH LANDFI

Ticket #: 1170100

DATE IN: 06/29/22 DATE OUT: 06/29/22
TIME IN: 12:55 PM TIME OUT: 01:23 PM
ID-IN: JLH ID-OUT: JLH

Vehicle#: C9121
TT= Commercial BY WEIGHT
OT= Not Specified

Haul Acct#: HALEACH
Haul Company: HALEY & ALDRICH OF NY 912

Bill Acct #: HALEACH
Bill Company: HALEY & ALDRICH OF NY 912

Gross:	90860 lb	45.43 tn
Tare:	31640 lb	15.82 tn
Net:	59220 lb	29.61 tn

Material

L-M Leachate 0

Subtotal: $296.10
Tax: $0.00

Total:

$296.10
Payment Method(s):
1 - Charge
$296.10

Change: $0.00

Driver:



ed allen
High visibility clothing is required at

STEUBEN COUNTY D.P.W.
BATH LANDFI

Ticket #: 1167970

DATE IN: 06/16/22 DATE OUT: 06/16/22
TIME IN: 11:25 AM TIME OUT: 11:55 AM
ID-IN: ATD ID-OUT: ATD

Vehicle#: C9121
TT= Commercial BY WEIGHT
OT= Not Specified

Haul Acct#: HALEACH
Haul Company: HALEY & ALDRICH OF NY 912

Bill Acct #: HALEACH
Bill Company: HALEY & ALDRICH OF NY 912

Gross:	90820 lb	45.41 tn
Tare:	32040 lb	16.02 tn
Net:	58780 lb	29.39 tn

Material

L-M Leachate 0

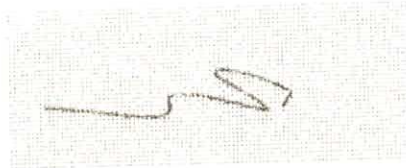
Subtotal: $293.90
Tax: $0.00

Total:

$293.90
Payment Method(s):
1 - Charge
$293.90

Change: $0.00

Driver:



Ed Allen
High visibility clothing is required at the Bath Landfill. Vests can be purchased at the Bath scale house if needed, $5.00 each.

STEUBEN COUNTY D.P.W.
BATH LANDFI

Ticket #: 1196266

DATE IN: 12/29/22 DATE OUT: 12/29/22
TIME IN: 07:36 AM TIME OUT: 08:08 AM
ID-IN: ATD ID-OUT: ATD

Vehicle#: C677103
TT= Commercial BY WEIGHT
OT= Not Specified

Haul Acct#: TRSPILL
Haul Company: T&R SPILL RESPONSE 677

Bill Acct #: TRSPILL
Bill Company: T&R SPILL RESPONSE 677

Gross:	53860 lb	26.93 tn
Tare.	27540 lb	13.77 tn
Net:	26320 lb	13.16 tn

Material

L-M Leachate 0

Subtotal: $131.60
Tax: $0.00

Total:

$131.60
Payment Method(s):
1 - Charge
$131.60

Change: $0.00

Driver:

Ed Allen Leachate 0008346
High visibility clothing is required at the Bath Landfill. Vests can be purchased at the Bath scale house if needed, $5.00 each.

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
				0008346

GENERATOR

5. Generator's Name and Mailing Address
CORNING INC c/o WSP USA, INC
1 RIVERFRONT PLAZA
CORNING, NY 14830
Generator's Phone:

Generator's Site Address (if different than mailing address)
FORMER EDWARD ALLEN LANDFILL
2046 BAILEY CREEK RD
CORNING, NY 14830

6. Transporter 1 Company Name
FINGER LAKES ENVIROTECH, LLC
U.S. EPA ID Number
NYR00178632

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
STEUBEN COUNTY LANDFILL
TURNPIKE RD
BATH, NY
Facility's Phone:
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	LEACHATE	1	TT	APPROX 3200	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: ANTHONY CICIRO, GEN REP
Signature:
Month: 12 Day: 28 Year: 22

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LAVERNE BROWN
Signature:
Month: 12 Day: 28 Year: 22

Transporter 2 Printed/Typed Name: Sam Shaw
Signature:
Month: 12 Day: 29 Year: 22

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Austin Bailey BLF
Signature: Austin Bailey
Month: 12 Day: 29 Year: 22

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

STEUBEN COUNTY D.P.W.
BATH LANDFI

Ticket #: 1196384

DATE IN: 12/29/22 DATE OUT: 12/29/22
TIME IN: 11:23 AM TIME OUT: 01:02 PM
ID-IN: ATD ID-OUT: ATD

Vehicle#: C677103
TT= Commercial BY WEIGHT
CT= Not Specified

Haul Acct#: TRSPILL
Haul Company: T&R SPILL RESPONSE 677

Bill Acct #: TRSPILL
Bill Company: T&R SPILL RESPONSE 677

Gross:	50520 lb	25.26 tn
Tare:	27380 lb	13.69 tn
Net:	23140 lb	11.57 tn

Material	
L-M Leachate	0

Subtotal: $115.70
Tax: $0.00

Total:

$115.70
Payment Method(s):
1 - Charge
$115.70

Change: $0.00

Driver:

Ed Allen Leachate 0008348
High visibility clothing is required at the Bath Landfill. Vests can be purchased at the Bath scale house if needed, $5.00 each.

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
			0008348

5. Generator's Name and Mailing Address
CORNING INC c/o WPS USA, INC
1 RIVERFRONT PLAZA
CORNING, NY
Generator's Phone:

Generator's Site Address (if different than mailing address)
FORMER EDWARD ALLEN LANDFILL
2046 BAILEY CREEK RD
CORNING, NY

6. Transporter 1 Company Name
FINGER LAKES ENVIROTECH, LLC
U.S. EPA ID Number
NYR00178632

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
STEUBEN COUNTY LANDFILL
TWAMPICO RD
BATH, NY
Facility's Phone:
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	LEACHATE	1	TT	Approx 3200	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: ANTHONY CICINO, GEOLOGY
Signature:
Month: 12 Day: 29 Year: 22

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Sam Shaver
Signature:
Month: 12 Day: 29 Year: 22

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Austin Dailey
Signature: Austin Dailey
Month: 12 Day: 29 Year: 22

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

STEUBEN COUNTY D.P.W.
BATH LANDFI

Ticket #: 1196631

DATE IN: 12/30/22 DATE OUT: 12/30/22
TIME IN: 01:57 PM TIME OUT: 02:36 PM
ID-IN: ATD ID-OUT: ATD

Vehicle#: C677160
TT= Commercial BY WEIGHT
OT= Not Specified

Haul Acct#: TRSPILL
Haul Company: T&R SPILL RESPONSE 677

Bill Acct #: TRSPILL
Bill Company: T&R SPILL RESPONSE 677

Gross:	57120 lb	28.56 tn
Tare:	33620 lb	16.81 tn
Net:	23500 lb	11.75 tn

Material	
L-M Leachate	0

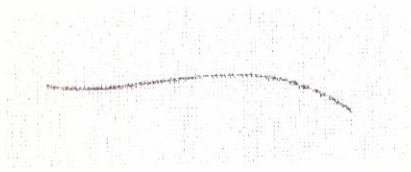
Subtotal: $117.50
Tax: $0.00

Total:

$117.50
Payment Method(s):
1 - Charge
$117.50

Change: $0.00

Driver:



Ed Allen Leachate 0008359
High visibility clothing is required at the Bath Landfill. Vests can be purchased at the Bath scale house if needed, $5.00 each.

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
			0008359

GENERATOR

5. Generator's Name and Mailing Address
CORNING INC C/O WPS USA, INC
1 RIVERFRONT PLAZA
CORNING, NY
Generator's Phone:

Generator's Site Address (if different than mailing address)
FORMER EDWARD ALLEN LANDFILL
2046 BAILEY CREEK Rd
CORNING, NY

6. Transporter 1 Company Name: FINGER LAKES ENVIROTECH, LLC
U.S. EPA ID Number: NYR00178632

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
STEUBEN COUNTY LANDFILL
TURNPIKE Rd
BATH, NY
Facility's Phone:
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	LEACHATE	1	TT	3200	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: ANTHONY CILINO, GEN REP
Signature:
Month: 12 Day: 30 Year: 22

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mark Boyer
Signature:
Month: 12 Day: 30 Year: 22

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Kristin Bailey
Signature:
Month: 12 Day: 30 Year: 22

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

STEUBEN COUNTY D.P.W.
BATH LANDFI

Ticket #: 1196729

DATE IN: 12/31/22 DATE OUT: 12/31/22
TIME IN: 10:42 AM TIME OUT: 11:04 AM
ID-IN: ATD ID-OUT: ATD

Vehicle#: C677160
TT= Commercial BY WEIGHT
OT= Not Specified

Haul Acct#: TRSPILL
Haul Company: T&R SPILL RESPONSE 677

Bill Acct #: TRSPILL
Bill Company: T&R SPILL RESPONSE 677

Gross:	63040 lb	31.52 tn
Tare:	33880 lb	16.94 tn
Net:	29160 lb	14.58 tn

Material	
L-M Leachate	0

Subtotal: $145.80
Tax: $0.00

Total:
$145.80
Payment Method(s):
1 - Charge
$145.80

Change: $0.00

Driver:



Ed Allen Leachate 0008360
High visibility clothing is required at the Bath Landfill. Vests can be purchased at the Bath scale house if needed, $5.00 each.

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
			0008360

5. Generator's Name and Mailing Address
CORNING INC c/o WSP USA, INC
1 RIVERFRONT PLAZA
CORNING, NY
Generator's Phone:

Generator's Site Address (if different than mailing address)
FORMER EDWARDS ALLEN LANDFILL
2046 BAILEY CREEK RD
CORNING, NY

6. Transporter 1 Company Name
FINGER LAKES ENVIROTECH, LLC

U.S. EPA ID Number
NYR00178632

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
STEUBEN COUNTY LANDFILL
TURNPIKE RD
BATH, NY
Facility's Phone:

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	LEACHATE	1	TT	3200	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: ANTHONY CILINO, GEN REP
Signature:
Month: 12 Day: 30 Year: 22

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LAVERNE BROWN
Signature: Laverne Brown
Month: 12 Day: 31 Year: 22

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Austin Dailey
Signature: Austin Dailey
Month: 12 Day: 31 Year: 22

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR