
*Environmental Monitoring Report
2022 Third Quarter/Annual Report*

City of Auburn Sanitary Landfill #1 (Closed)

North Division Street
City of Auburn, Cayuga County, New York
NYSDEC Region #7

Prepared for
City of Auburn
Department of Solid Waste
24 South Street
Auburn, New York 13021

August 2022

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Prepared for:
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Department of Solid Waste
24 South Street
Auburn, New York 13021

Prepared by:
Barton & Loguidice, D.P.C.
443 Electronics Parkway
Liverpool, New York 13088

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
SAMPLE COLLECTION INFORMATION	1
Sampling Locations	1
Field Determinations.....	1
SAMPLE TESTING.....	2
Laboratory Information	2
Parameters Tested	2
ASSESSMENT OF MONITORING RESULTS	3
Introduction	3
Overburden Unit	3
Bedrock Unit	5
Leachate	5
Landfill Gas Monitoring.....	5
QUALITY CONTROL.....	6
Duplicate Sample Comparison	6
CONCLUSIONS	7

Tables

Table 1	Overburden Unit 6 NYCRR Part 703 Groundwater Standard Exceedances (2022)
Table 2	Bedrock Unit 6 NYCRR Part 703 Groundwater Standard Exceedances (2022)

Figures

Figure 1	Site Plan
Figure 2	Shallow Overburden Unit Groundwater Contours
Figure 3	Overburden Unit Groundwater Contours
Figure 4	Bedrock Unit Groundwater Contours

Appendices

Appendix A	Field Sampling Data Sheets/Gas Survey Log/Calibration Documents
Appendix B	Laboratory Summary Report (ALS Environmental)
Appendix C	Historical Analytical Data
Appendix D	Groundwater Elevation Data

SAMPLE COLLECTION INFORMATION**Sampling Firm:** Barton & Loguidice, D.P.C.**Sampling Dates:** August 2-5, 2022**Sampling Locations:** (See Figure 1 - Site Plan)**Monitoring Wells:**

Landfill #1				
	Overburden Unit		Bedrock Unit	
Upgradient:	MW-24A MW-25A	MW-26A ⁽¹⁾	MW-24C ⁽⁴⁾ MW-25CC	MW-26C ⁽²⁾
Downgradient	MW-3 MW-4AA MW-4B MW-5AA MW-5B MW-7AA MW-7BB MW-11B MW-18AA MW-19AA	MW-20AA ⁽³⁾ MW-21A MW-22A MW-23AA MW-28A MW-28B MW-29A MW-29B MW-30A MW-30B	MW-4C MW-11C MW-18CC ⁽²⁾ MW-19CC ⁽¹⁾	MW-20C MW-21C MW-22C MW-23C
Leachate	MW-1N			
<u>Notes:</u> ⁽¹⁾ Dupe-X and Dupe-Y Duplicate Locations ⁽²⁾ MS/MSD Location ⁽³⁾ Damaged Location – No Sample Collected ⁽⁴⁾ Dry Location – No Sample Collected				

Field Determinations:

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

SAMPLE TESTING

Laboratory:

ALS Environmental
1565 Jefferson Road
Building 300, Suite 360
Rochester, New York 14623

**Test Report:
Parameters Tested**

Service Request: R2207261, R2207262, R2207182, and R2207327

- Monitoring well samples were analyzed for 1988 Part 360 Baseline parameters.
- Leachate samples were analyzed for 1988 Part 360 Expanded parameters.

ASSESSMENT OF MONITORING RESULTS

Introduction

This report presents the results of environmental monitoring performed during the Third Quarter of 2022 for the closed City of Auburn Sanitary Landfill #1, Cayuga County, New York. The environmental monitoring was conducted in accordance with the site Environmental Monitoring Plan (Barton & Loguidice, P.C., 2005). Field samples were collected from the designated monitoring points by field representatives from Barton & Loguidice, D.P.C (B&L). All samples were submitted to and analyzed by the ALS Environmental (ALS).

The Auburn Solid Waste Management Center (SWMC) facility maintains two separate landfills that include the Closed Landfill #1 and the Landfill #2, which was a former operational landfill currently undergoing closure construction. The City of Auburn SWMC is located west of the intersection of North Division and York Streets in the northwest portion of the City of Auburn. Landfill #1 is a closed landfill, which is the older of the two defined landfills. It is comprised of a 24-acre Phase I and a 24-acre Phase II landfill. The total 48-acres that comprise Landfill #1 cover the majority of the southern portion of the SWMC. On September 15, 1992 the City of Auburn stopped accepting waste at Landfill #1.

The Auburn Landfill #1 was supposed to be monitored during the 2022 Second Quarter, but due to a contractual delay the monitoring occurred during the 2022 Third Quarter. There are 34 monitoring locations located at Landfill #1 that are utilized for post-closure groundwater monitoring (Figure 1). Twenty-three of the monitoring locations represent the Site overburden unit geologic formation and 11 represent the Site bedrock unit geologic formation. During the 2022 Third Quarter monitoring event, MW-20AA was reported as damaged and MW-24C was reported as dry and unable to be sampled. The remaining monitoring well locations were able to be sampled and were analyzed for 1988 Part 360 Baseline Parameters.

Included in the Figures section of this report are groundwater contour figures, utilizing the most recent groundwater elevation data obtained. These figures indicated that both the shallow overburden groundwater and bedrock groundwater flow in a northeasterly direction. These figures are included as follows:

- Figure 2 – Shallow Overburden Unit Groundwater Contours
- Figure 3 – Overburden Unit Groundwater Contours
- Figure 4 – Bedrock Unit Groundwater Contours

Overburden Unit

Groundwater samples were obtained during the Third Quarter sampling event from sampling locations that represent the shallow overburden unit of Landfill #1 (see sample collection information – Appendix A).

Monitoring locations MW-24A and MW-25A are designated as the shallow overburden unit upgradient groundwater quality locations for Landfill #1. These locations are representative of the naturally

occurring “background” groundwater quality, and are unlikely to be impacted by Landfill #1. MW-24A exceeded groundwater standards for sulfate, total dissolved solids, turbidity, total iron, total magnesium, and total sodium. MW-25A exceeded groundwater standards for sulfate, total dissolved solids, turbidity, total iron, total magnesium, total sodium, and total thallium. The reported concentrations of these parameters are believed to exist naturally at values greater than groundwater standards.

The remaining monitoring locations sampled during the 2022 Third Quarter monitoring event represent downgradient groundwater quality for the shallow overburden unit for Landfill #1. The shallow overburden unit downgradient monitoring locations demonstrate groundwater quality similar to the upgradient groundwater quality historically observed within MW-24A and MW-25A, with other minor exceedances noted. Although similar, some locations demonstrate slightly elevated concentrations of sulfate, total dissolved solids, turbidity, and total metals (iron, magnesium, and sodium). These constituents are believed to be a result of natural conditions and it is important to note that the results obtained during this monitoring event are generally consistent within each monitoring well when compared to historical data.

Shallow overburden unit downgradient monitoring wells MW-5AA, MW-7AA, and MW-22A demonstrate groundwater quality that differs from upgradient groundwater quality. These locations exceeded the following parameters during this monitoring event:

- MW-5AA – Ammonia-nitrogen, bromide, chloride, sulfate, total dissolved solids, total iron, total magnesium, total sodium, and total thallium
- MW-7AA – Chloride, total dissolved solids, total iron, total magnesium, total sodium, and total thallium
- MW-22A – Ammonia-nitrogen, boron, bromide, chloride, color, total dissolved solids, total iron, total magnesium, and total sodium

Groundwater quality at monitoring well locations MW-5AA and MW-22A appears to be influenced by the closed landfill facility. The results obtained during this monitoring event are generally consistent with historical data and increasing trends are not observed in the recent data.

Monitoring well MW-7AA demonstrates similar groundwater quality to upgradient groundwater quality but has elevated concentrations of both sodium and chloride. Based on this locations in close proximity to the site access road appears that it has been affected from road salt usage either by site salting activities or from off-site trucks. Concentrations are not increasing, but are generally consistent over the data set period. Similar to MW-7AA, MW-26A is located along the perimeter access road and also exhibits gradually increasing concentrations of sodium and chloride that appear to be influenced by road salt.

A complete listing of shallow overburden unit Part 703 groundwater exceedances for Landfill #1 is included in Table 1 and historical results are included in Appendix C.

Bedrock Unit

Monitoring locations MW-25CC and MW-26C represent the bedrock unit upgradient groundwater quality for Landfill #1. These locations are representative of the naturally occurring “background” groundwater quality of the bedrock unit for the Landfill #1, and are unlikely to be impacted by the landfill. The groundwater quality at these upgradient locations exhibited several naturally occurring exceedances above Part 703 Groundwater Standards. These exceedances include:

- MW-25CC – Sulfate, total dissolved solids, turbidity, total magnesium, total sodium, and total thallium
- MW-26C – Sulfate, total dissolved solids, turbidity, total iron, total magnesium, and total thallium

Downgradient monitoring location MW-4C has demonstrated gradually increasing concentrations of hardness, specific conductivity, sulfate, and total dissolved solids since 2004. The remaining monitoring locations sampled during the 2022 Third Quarter represent downgradient groundwater quality for the bedrock unit for Landfill #1. The remaining downgradient monitoring locations sampled demonstrated groundwater quality similar to what was observed within the two upgradient monitoring well locations. A listing of all Bedrock Unit Part 703 groundwater exceedances for Landfill #1 is included in Table 2 and historical results are included in Appendix C.

Leachate

Leachate sampling was required during the Third Quarter as required by the Site Environmental Monitoring Plan. MH-1N represents the Landfill #1 primary leachate water quality. The leachate generated from the City of Auburn Closed Landfill #1 is piped directly to the City of Auburn Wastewater Treatment Plant for treatment. The location historically monitored as MH-1N has been moved to a new location which was unearthed during the City of Auburn Landfill #2 closure construction. The previously sampled manhole has demonstrated water quality similar to site groundwater quality. The results obtained from the new MH-1N location now more closely resemble typical primary leachate water quality. Based on our review of the data, the previous location monitored as MH-1N did not represent the Auburn Landfill #1 primary leachate and moving forward the new MH-1N monitoring location will be sampled and represents the Auburn Landfill #1 primary leachate data. The historical results for the former MH-1N monitoring location and the new MH-1N monitoring location are included in Appendix C.

Landfill Gas Monitoring

Landfill gas monitoring of the monitoring well network surrounding Landfill #1 was required during the 2022 Third Quarter monitoring event. The results are included in Appendix A. Combustible gas was not detected in the groundwater wells monitored.

QUALITY CONTROL

Duplicate Sample Comparison

Precision and accuracy are measurements of reproducibility and the degree to which data approximate true values. These data qualities are controlled by defining acceptance limits for QC measurements associated with all reported data. The Landfill #1 data yielded discrepancies for the duplicate sample that was collected in conjunction with monitoring location MW-26A and MW-19CC. Observed discrepancies may be the result of sample aliquot variability, field sampling inconsistencies, and/or laboratory analysis error.

Laboratory data precision is maintained by strict adherence to sampling procedures and analytical protocols. Precision is measured by monitoring the degree to which duplicate measurements are reproducible. Close agreement between field samples taken in duplicate and laboratory split duplicate samples provide measurements of sampling and laboratory precision. Precision was calculated as:

$$\text{RPD \%} = \frac{(D)}{(M)} \times 100$$

RPD % = Relative Percent Difference

D = Difference between 2 measurements

M = Mean of 2 measurements

RPD qualification criteria require sample and duplicate results to be greater than five times the contract required detection limit (CRQL). Or, if less than five times the CRQL, the difference between the sample and duplicate must be greater than two times the CRQL. This criterion helps to eliminate minor differences in value, generally reported at low detection limits, which exhibit a large percentage difference. Precision and accuracy are measurements of reproducibility and the degree to which data approximate true values. These data qualities are controlled by defining acceptance limits for QC measurements associated with all reported data.

During the 2022 Third Quarter event RPD exceedances were observed at both MW-26A (Dupe-X) and MW-19CC (Dupe-Y). MW-26A exceeded criteria for mercury and MW-19CC exceeded criteria for iron. The data collected from the Third Quarter represents an acceptable degree of QA/QC compliance for the data package.

CONCLUSIONS

The collection of the 2022 Third Quarter round of groundwater samples at the City of Auburn Landfill #1 represents continued post-closure monitoring data for the site. The locations sampled represent the upper two groundwater bearing units at the site previously identified as the shallow overburden and bedrock units. As stated above, the upgradient groundwater quality for the site has naturally occurring concentrations of certain parameters above Part 703 Groundwater Standards. The downgradient groundwater quality generally is comparable to the upgradient quality with several locations demonstrating additional exceedances related to potential influences from the landfill and road salt, but have remained generally consistent. The closed Landfill #1 will again be monitored during the 2023 annual monitoring event scheduled to occur in the Third Quarter of 2023.

Tables

TABLE 1

CITY OF AUBURN LANDFILL #1

OVERBURDEN UNIT 6 NYCRR PART 703 GROUNDWATER STANDARDS EXCEEDANCES (2022)

Page 1 of 2

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	OVERBURDEN UNIT MONITORING WELL LOCATIONS											
		MW-3	MW-4AA	MW-4B	MW-5AA	MW-5B	MW-7AA	MW-7BB	MW-11B	MW-18AA	MW-19AA	MW-20AA	MW-21A
		3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.
Ammonia-Nitrogen	2.0 mg/L	-	-	-	23	-	-	-	-	-	-	-	-
Boron	1.0 mg/L	-	-	-	-	-	-	-	-	-	-	-	-
Bromide	[2.0 mg/L]	-	-	-	5.0	3.3	-	-	-	-	-	-	-
Chloride	250 mg/L	-	-	-	390	-	735	-	-	-	-	-	-
Color	15 Units	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	250 mg/L	1380	-	-	993	910	-	1650	-	1090	1170	-	1550
Total Dissolved Solids	500 mg/L	2380	636	639	2120	2050	1910	2800	564	1760	1810	-	2520
Turbidity	5 mg/L	-	5.6	8.5	-	12.0	-	8.0	8.7	12.7	11.3	-	9.7
Antimony -T -D	[0.003] mg/L	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Arsenic -T -D	0.025 mg/L	- -	- -	- -	- -	0.08 -	- -	- -	- -	0.05 -	- -	- -	- -
Iron -T -D	0.30 mg/L	- -	1.46 -	0.59 -	4.48 -	1.23 -	0.35 -	0.88 -	0.66 -	4.44 -	0.84 -	- -	0.74 -
Magnesium -T -D	[35 mg/L]	193 -	44 -	41 -	144 -	113 -	158 -	- -	- -	86 -	- -	- -	131 -
Manganese -T -D	0.3 mg/L	- -	0.4 -	- -	- -	- -	- -	158 -	- -	- -	107 -	- -	- -
Sodium -T -D	20 mg/L	40 -	- -	68 -	133 -	92 -	285 -	- -	33 -	- -	31 -	- -	- -
Thallium -T -D	[0.0005 mg/L]	- -	- -	- -	0.0100 -	0.0100 -	0.0080 -	0.0120 -	0.0080 -	- -	0.0090 -	- -	0.0160 -

TABLE 1

CITY OF AUBURN LANDFILL #1

OVERBURDEN UNIT 6 NYCRR PART 703 GROUNDWATER STANDARDS EXCEEDANCES (2022)

Page 2 of 2

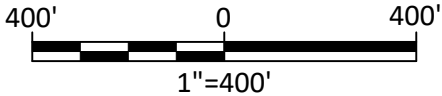
PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	OVERBURDEN UNIT MONITORING WELL LOCATIONS											
		MW-22A	MW-23AA	MW-24A	MW-25A	MW-26A	MW-28A	MW-28B	MW-29A	MW-29B	MW-30A	MW-30B	-
		3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	-
Ammonia-Nitrate	2.0 mg/L	312	-	-	-	-	-	-	-	-	-	-	
Boron	1.0 mg/L	2.0	-	-	-	-	-	-	-	-	-	-	
Bromide	[2.0 mg/L]	14.0	-	-	-	-	-	-	-	-	-	-	
Chloride	250 mg/L	1190	-	-	-	-	-	-	-	-	-	-	
Color	15 Units	35	-	-	-	-	-	-	-	-	-	-	
Sulfate	250 mg/L	-	-	304	386	-	1210	938	1380	1360	1480	1290	
Total Dissolved Solids	500 mg/L	2900	644	927	988	850	2010	1590	2070	2110	2300	2140	
Turbidity	5 NTU	-	8.4	7.7	5.3	5.2	6.6	-	-	-	-	2.9	
Antimony -T -D	[0.003] mg/L	- -	- -	- -	- -	0.008 -	- -	- -	- -	- -	- -	- -	
Arsenic -T -D	0.025 mg/L	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	0.027 -	
Iron -T -D	0.30 mg/L	3.64 -	0.52 -	0.44 -	0.35 -	- -	0.40 -	- -	- -	3.14 -	1.62 -	1.84 -	
Magnesium -T -D	[35 mg/L]	167 -	51 -	82 -	83 -	50 -	- -	67 -	117 -	113 -	128 -	121 -	
Manganese -T -D	0.3 mg/L	- -	- -	- -	- -	- -	92.0 -	- -	- -	- -	- -	- -	
Sodium -T -D	20 mg/L	626 -	61.1 -	23.3 -	31.6 -	92.1 -	- -	- -	- -	- -	- -	- -	
Thallium -T -D	[0.0005 mg/L]	- -	0.0080 -	- -	0.0090 -	- -	0.0080 -	0.0070 -	0.0080 -	0.0090 -	0.0090 -	0.0100 -	

TABLE 2
CITY OF AUBURN LANDFILL #1
BEDROCK UNIT 6 NYCRR PART 703 GROUNDWATER STANDARD EXCEEDANCES (2022)

Page 1 of 1

PARAMETER	6 NYCRR PART 703 STANDARD OR [GUIDANCE VALUE]	BEDROCK UNIT MONITORING WELL LOCATIONS										
		MW-4C	MW-11C	MW-18CC	MW-19CC	MW-20C	MW-21C	MW-22C	MW-23C	MW-24C	MW-25CC	MW-26C
		3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	3rd Qtr.	Well Dry	3rd Qtr.	3rd Qtr.
Color	15 Units	-	-	-	-	25	-	-	-	-	-	-
pH	6.5-8.5 std. Units	-	-	-	-	-	-	-	10	-	-	-
Sulfate	250 mg/L	817	862	1090	1270	1340	1320	1180	958	-	1910	1220
Total Dissolved Solids	500 mg/L	1340	1400	1830	2090	2230	2240	2040	1370	-	2750	2210
Turbidity	5 NTU	7.3	-	-	-	6.8	7.1	-	8.6	-	12.1	12.6
Arsenic -T -D	0.025 mg/L	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Iron -T -D	0.30 mg/L	0.35 -	- -	0.51 -	1.00 -	0.81 -	9.18 -	0.55 -	4.32 -	- -	- -	1.66 -
Magnesium -T -D	[35 mg/L]	81 -	80 -	70 -	120 -	141 -	151 -	78 -	76 -	- -	112 -	86 -
Sodium -T -D	20 mg/L	48.0 -	35.8 -	- -	- -	- -	- -	- -	44.4 -	- -	105.0 -	- -
Thallium -T -D	[0.0005 mg/L]	0.0070 -	0.0090 -	0.0090 -	0.0090 -	0.0090 -	0.0070 -	0.0100 -	- -	- -	0.0160 -	0.0200 -

Figures

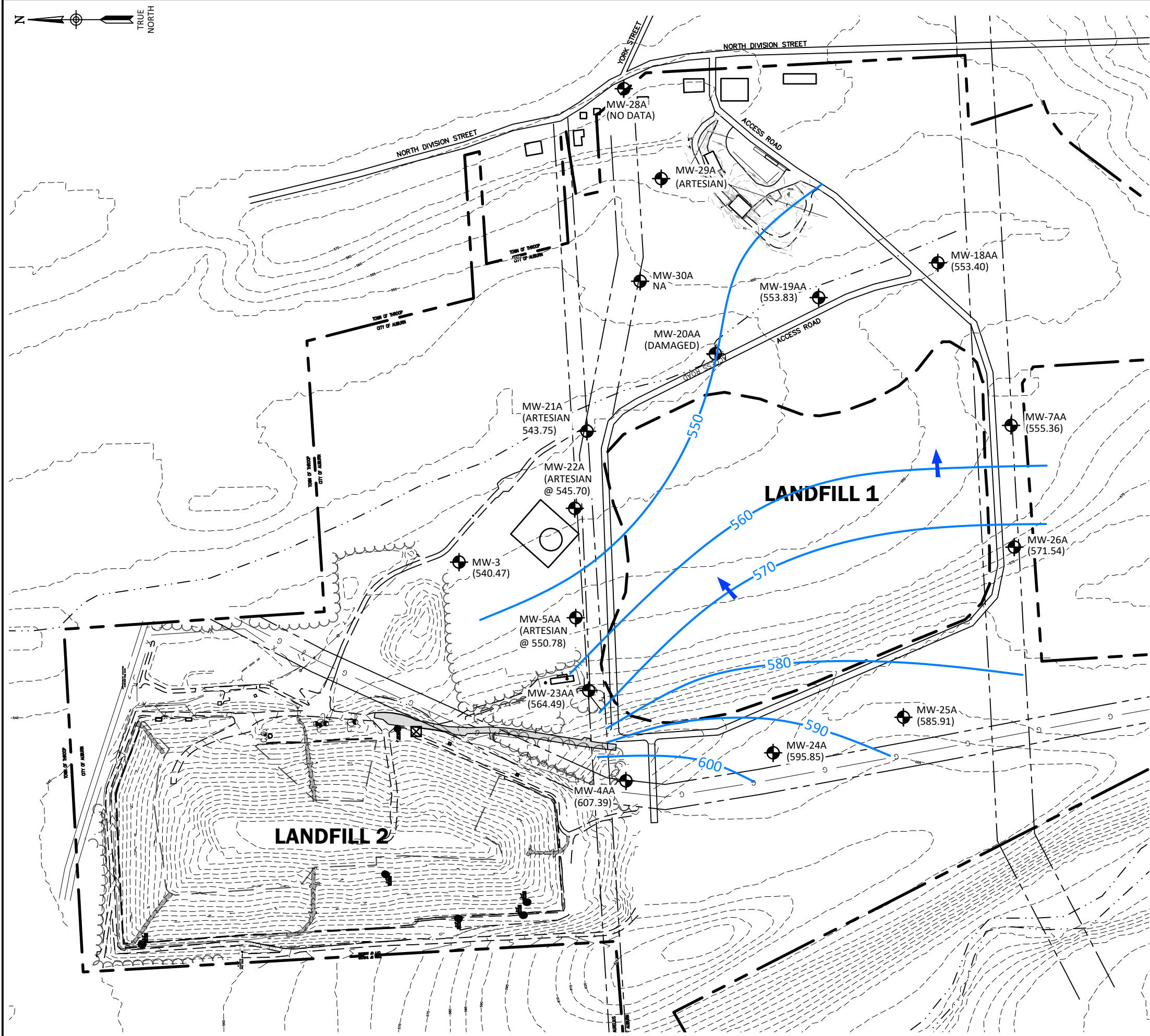


MW  MONITORING WELL LOCATION

B & L
443 Electronics Parkway
Liverpool, NY
13088
Barton & Loguidice, D.P.C.

Project Number
554.026

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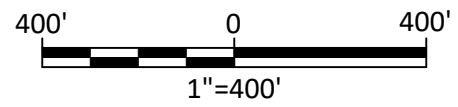


LEGEND

MW  MONITORING WELL LOCATION

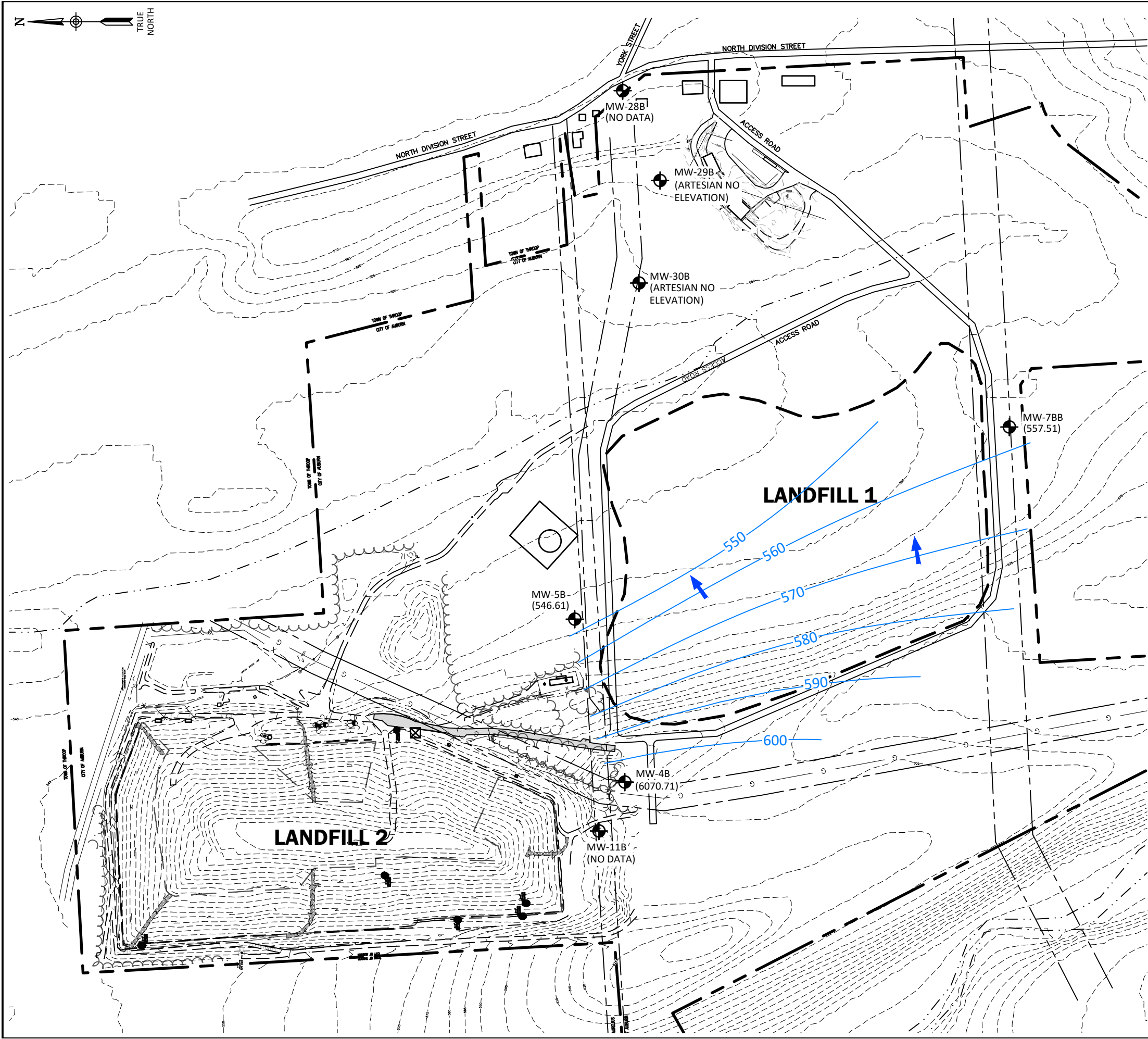
 580 GROUNDWATER CONTOUR

 GROUNDWATER FLOW DIRECTION



 443 Electronics Parkway Liverpool, NY 13088 Barton & Loguidice, D.P.C.	CITY OF AUBURN CITY OF AUBURN SANITARY LANDFILL AUGUST 2022		CAYUGA COUNTY, NEW YORK
	SHALLOW OVERBURDEN UNIT GROUNDWATER CONTOURS		
	CITY OF AUBURN		
	Date OCTOBER 2022		
	Scale 1" = 400'		
Figure Number 2		Project Number 554.026	

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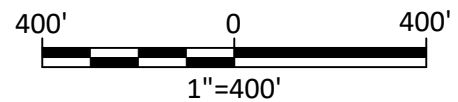


LEGEND

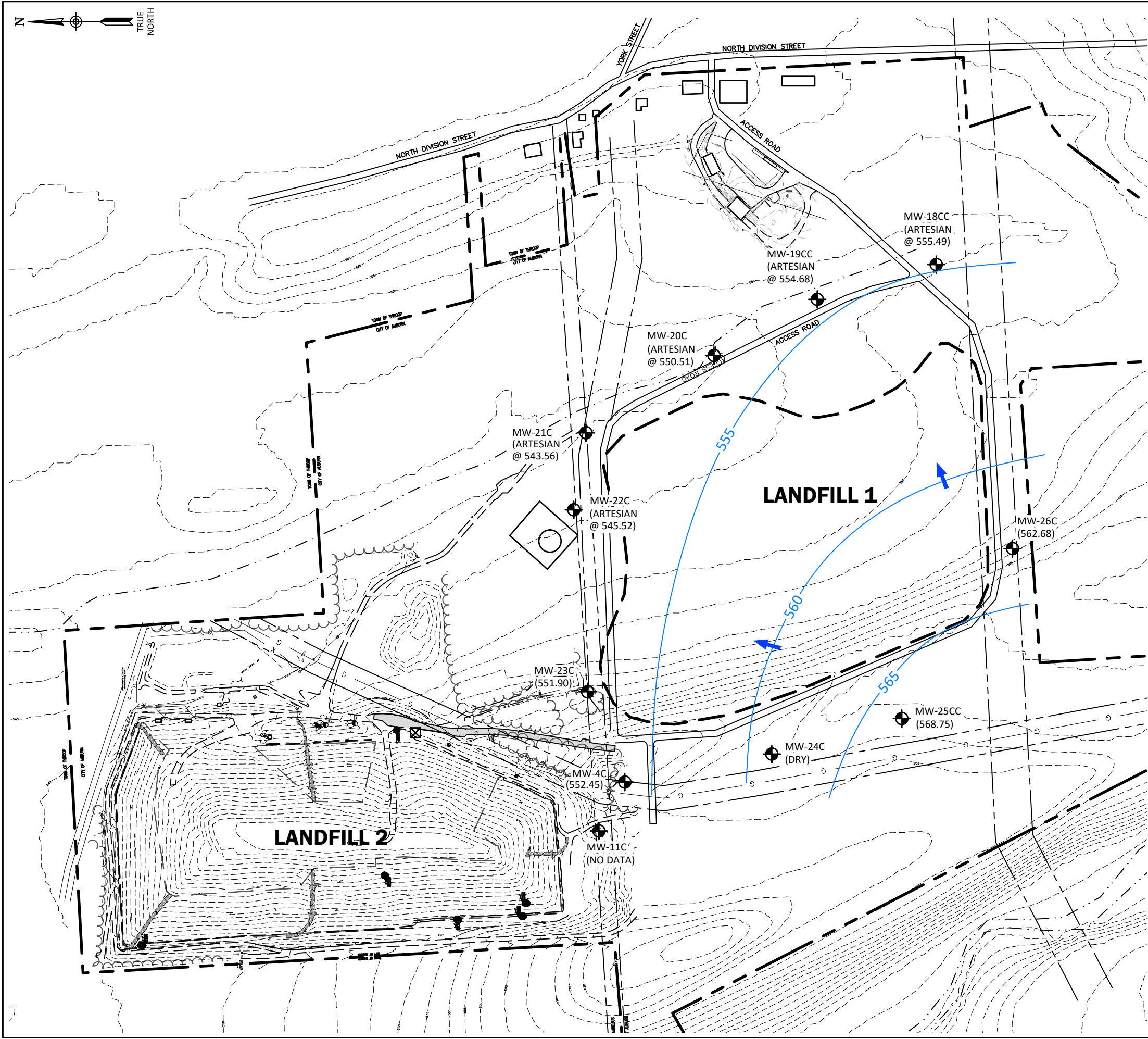
MW  MONITORING WELL LOCATION

 580 GROUNDWATER CONTOUR

 GROUNDWATER FLOW DIRECTION



 443 Electronics Parkway Liverpool, NY 13088 Barton & Loguidice, D.P.C.	CITY OF AUBURN CITY OF AUBURN SANITARY LANDFILL AUGUST 2022		CAYUGA COUNTY, NEW YORK
	OVERBURDEN UNIT GROUNDWATER CONTOURS		
	CITY OF AUBURN		
	Date OCTOBER 2022		
	Scale 1" = 400'		
Figure Number 3		Project Number 554.026	

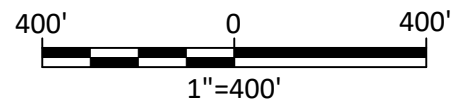


LEGEND

MW MONITORING WELL LOCATION

580 GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION



B&L 443 Electronics Parkway Liverpool, NY 13088 Barton & Loguidice, D.P.C.	CITY OF AUBURN CITY OF AUBURN SANITARY LANDFILL AUGUST 2022		CAYUGA COUNTY, NEW YORK
	BEDROCK UNIT GROUNDWATER CONTOURS		
Date	OCTOBER 2022		CITY OF AUBURN
Scale	1" = 400'		
Figure Number	4		CITY OF AUBURN
Project Number	554.026		

Appendix A

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-3
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: P/C **Temperature:** 70's

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>5.30</u>
Measured Well Depth (feet)*:	<u>29.48</u>
Well Casing Diameter (inches):	<u>4</u>
Calculated Volume in Well Casing (gallons):	<u>15.78</u>

*depth from measuring point

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8-4-22
 Time: 1248

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 47.35

Actual Volume of Water Purged (gallons): 19.0

Did well purge dry? No ☐ Yes ☒
 Did well recover? No ☐ Yes ☒

Recovery Time: Overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 9:52 Date: 8-5-22

SAMPLING DATA

Sample Appearance

Color: Clear Sediment: no f.n.s
 Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.30</u>	Sp. Conductivity (umhos/cm)	<u>3613</u>
Temperature (F)	<u>54.6</u>	Eh-Redox Potential (mV)	<u>50</u>
Turbidity (NTUs)	<u>1.77</u>	Dissolved Oxygen (mg/L)	<u>-</u>

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 13:00 on 8/4/22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-4AA
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: Sun **Temperature:** 70's

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>11.49</u>
Measured Well Depth (feet)*:	<u>17.58</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>0.99</u>

*depth from measuring point

Measuring Point: Top of Riser

Measured by: (TJB)/VBH

Date: 8-2-22

Time: 1107

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 2.98

Actual Volume of Water Purged (gallons): 1.00

Did well purge dry? No ☐ Yes ☒

Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 0933 Date: 8-3-22

SAMPLING DATA

Sample Appearance

Color: clear Sediment: fine + Bug parts

Odor: none

Field Measured Parameters

pH (Standard Units)	<u>6.95</u>	Sp. Conductivity (umhos/cm)	<u>1033</u>
Temperature (F)	<u>57.0</u>	Eh-Redox Potential (mV)	<u>103</u>
Turbidity (NTUs)	<u>5.60</u>	Dissolved Oxygen (mg/L)	<u>-</u>

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline VOC @ 1126 on 8-2-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:



FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: Sun
SAMPLE LOCATION: MW-4B
JOB #: 554.026.022
Temperature: 70's
SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify):
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	11.24
Measured Well Depth (feet)*:	33.26
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	3.59

*depth from measuring point

Measuring Point: Top of Riser
Measured by: TJB/VBH
Date: 8-2-22
Time: 11:08

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 10.78

Actual Volume of Water Purged (gallons): 3.75

Did well purge dry? No ☐ Yes ☒
Did well recover? No ☐ Yes ☒ Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB/VBH Time: 0940 Date: 8-3-22

SAMPLING DATA

Sample Appearance

Color: SL. haze Sediment: fines + Bug parts
Odor: none

Field Measured Parameters

pH (Standard Units)	7.54	Sp. Conductivity (umhos/cm)	970
Temperature (F)	53.8	Eh-Redox Potential (mV)	96
Turbidity (NTUs)	8.50	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline VOC @ 1136 on 8-2-22

Samples Delivered to: ALS Time: Date:

COMMENTS:



FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 SAMPLE LOCATION: MW-4C
CLIENT: City of Auburn JOB #: 554.026.022
Weather Conditions: Sun Temperature: 70.5
SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>67.80</u>
Measured Well Depth (feet)*:	<u>123.06</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>9.0</u>

*depth from measuring point

Measuring Point: Top of RiserMeasured by: TJB / VBHDate: 8-2-22Time: 1011

PURGING METHOD

Equipment: Bailer ☐ Submersible Pump ☒ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☐ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 27.0Actual Volume of Water Purged (gallons): 9.5Did well purge dry? No ☐ Yes ☒Did well recover? No ☐ Yes ☒Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBHTime: 0955Date: 8-3-22

SAMPLING DATA

Sample Appearance

Color: clear Sediment: finer + big partsOdor: none

Field Measured Parameters

pH (Standard Units)	<u>8.28</u>	Sp. Conductivity (umhos/cm)	<u>1472</u>
Temperature (F)	<u>56.2</u>	Eh-Redox Potential (mV)	<u>117</u>
Turbidity (NTUs)	<u>7.32</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 BaselineVOC @ 1133 on 8-2-22Samples Delivered to: ALS

Time: _____ Date: _____

COMMENTS:



FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: p/c

SAMPLE LOCATION: MW-5AA
JOB #: 554.026.022
Temperature: 70's

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify):
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	Artesian
Measured Well Depth (feet)*:	29.66
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	~

*depth from measuring point

Measuring Point: Top of Riser
Measured by: TJB / VBH
Date: 8/4/22
Time: 1227

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons):

Actual Volume of Water Purged (gallons):

Did well purge dry?

No

☒

Yes

☐

Did well recover?

No

☐

Yes

☒

Recovery Time:

Overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH

Time:

0915

Date:

8-5-22

SAMPLING DATA

Sample Appearance

Color:

Clear

Sediment:

fine

Odor:

None

Field Measured Parameters

pH (Standard Units)	5.92	Sp. Conductivity (umhos/cm)	98 3298
Temperature (F)	59.9	Eh-Redox Potential (mV)	-62
Turbidity (NTUs)	2.82	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline

3 VOC @ 1235 on 8/4/22

Samples Delivered to: ALS

Time:

Date:

COMMENTS:



FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: P/L
SAMPLE LOCATION: MW-5B
JOB #: 554.026.022
Temperature: 80's
SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify):
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	4.05
Measured Well Depth (feet)*:	17.47
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	2.19

*depth from measuring point

Measuring Point: Top of Riser
Measured by: TJB / VBH
Date: 8-3-22
Time: 1612

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 6.57

Actual Volume of Water Purged (gallons): 2.50

Did well purge dry? No ☐ Yes ☒
Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☐ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1220 Date: 8-4-22

SAMPLING DATA

Sample Appearance: clear
Color: clear
Odor: dead Bug
Sediment: fines + Big pump + mtl

Field Measured Parameters

pH (Standard Units)	7.41	Sp. Conductivity (umhos/cm)	2536
Temperature (F)	71.1	Eh-Redox Potential (mV)	-27
Turbidity (NTUs)	12.0	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 1620 on 8-4-22

Samples Delivered to: ALS Time: Date:

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-7AA
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: Sun **Temperature:** 80.5

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>5.32</u>
Measured Well Depth (feet)*:	<u>17.29</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>1.95</u>

*depth from measuring point

Measuring Point: Top of Riser

Measured by: (TJB) VBH

Date: 8-2-22

Time: 154

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 5.86

Actual Volume of Water Purged (gallons): 2.25

Did well purge dry? No ☐ Yes ☒

Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1255 Date: 8-3-22

SAMPLING DATA

Sample Appearance

Color: clear Sediment: some fines
 Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.06</u>	Sp. Conductivity (umhos/cm)	<u>342</u> <u>3452</u>
Temperature (F)	<u>64.5</u>	Eh-Redox Potential (mV)	<u>52</u>
Turbidity (NTUs)	<u>2.01</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 1537 on 8-2-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-7BB
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: Sun **Temperature:** 80°F
SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>3.23</u>
Measured Well Depth (feet)*:	<u>36.45</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>5.42</u>

*depth from measuring point

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8-2-22
 Time: 1523

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 16.26
 Actual Volume of Water Purged (gallons): 6.50

Did well purge dry? No ☐ Yes ☒ 1/4 bailers
 Did well recover? No ☐ Yes ☒ Recovery Time: Overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1303 Date: 8-3-22

SAMPLING DATA

Sample Appearance
 Color: hazy Sediment: finer
 Odor: Dead Aug

Field Measured Parameters

pH (Standard Units)	<u>7.18</u>	Sp. Conductivity (umhos/cm)	<u>2868</u>
Temperature (F)	<u>70.3</u>	Eh-Redox Potential (mV)	<u>-115</u>
Turbidity (NTUs)	<u>7.96</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):
12 Bottles- 1998 Baseline 3 VOC @ 1535 on 8-2-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:



FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: Sun

SAMPLE LOCATION: MW-11B
JOB #: 554.026.022
Temperature: 70's

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>51.62</u>
Measured Well Depth (feet)*:	<u>100.2</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>7.9</u>

*depth from measuring point

Measuring Point: Top of Riser
Measured by: TJB / VBH
Date: 8-2-22
Time: 12:02

PURGING METHOD

Equipment: Bailer ☐ Submersible Pump ☒ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☐ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 23.75

Actual Volume of Water Purged (gallons): 8.75

Did well purge dry? No ☐ Yes ☒ 1/4 bailer
Did well recover? No ☐ Yes ☒ Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1058 Date: 8-3-22

SAMPLING DATA

Sample Appearance
Color: clear Sediment: fine
Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.72</u>	Sp. Conductivity (umhos/cm)	<u>793</u>
Temperature (F)	<u>56.0</u>	Eh-Redox Potential (mV)	<u>92</u>
Turbidity (NTUs)	<u>8.66</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline VOC @ 12:38 on 8-2-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:



FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: SUN

SAMPLE LOCATION: MW-11C
JOB #: 554.026.022
Temperature: 70°

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>62.58</u>
Measured Well Depth (feet)*:	<u>127.1</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>12.2</u>

*depth from measuring point

Measuring Point: Top of Riser
Measured by: TJB / VBH
Date: 8-2-22
Time: 12:03

PURGING METHOD

Equipment: Bailer ☐ Submersible Pump ☒ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☐ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 36.5

Actual Volume of Water Purged (gallons): 36.5

Did well purge dry? No ☒ Yes ☐

Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1047 Date: 8-3-22

SAMPLING DATA

Sample Appearance

Color: Clear Sediment: some fine / Big parts
Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.70</u>	Sp. Conductivity (umhos/cm)	<u>160.3</u>
Temperature (F)	<u>60.9</u>	Eh-Redox Potential (mV)	<u>107</u>
Turbidity (NTUs)	<u>3.12</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline VOC @ 12:12 on 8-2-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 SAMPLE LOCATION: MW-18AA
 CLIENT: City of Auburn JOB #: 554.026.022
 Weather Conditions: P/c Temperature: 80's
 SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	Artesian <u>1.77</u>
Measured Well Depth (feet)*:	26.03
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	<u>3.96</u>

*depth from measuring point

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8-3-22
 Time: 1326

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 11.88

Actual Volume of Water Purged (gallons): 12.00

Did well purge dry? No ☒ Yes ☐
 Did well recover? No ☐ Yes ☒

Recovery Time: 00:00:41

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 0905 Date: 8-4-22

SAMPLING DATA

Sample Appearance: very slight haze gray Sediment: fine
 Color: none
 Odor: _____

Field Measured Parameters

pH (Standard Units)	<u>7.35</u>	Sp. Conductivity (umhos/cm)	<u>1968</u>
Temperature (F)	<u>66.1</u>	Eh-Redox Potential (mV)	<u>-127</u>
Turbidity (NTUs)	<u>12.71</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 1344 on 8-3-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
 CLIENT: City of Auburn
 Weather Conditions: P/C

SAMPLE LOCATION: MW-18CC MS/MSD2
 JOB #: 554.026.022
 Temperature: 80's

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>FOR Arterial Top of Riser</u>
Measured Well Depth (feet)*:	<u>69.11</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u> </u>

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8-3-22
 Time: 1325

*depth from measuring point

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons):

Actual Volume of Water Purged (gallons): 10.0

Did well purge dry? No ☒ Yes ☐
 Did well recover? No ☐ Yes ☒

Recovery Time: Overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 0855 Date: 8-4-22

SAMPLING DATA

Sample Appearance: Clear
 Color: St. deval Bay
 Odor: St. deval Bay
 Sediment: Some fine / Bay floor

Field Measured Parameters

pH (Standard Units)	<u>7.23</u>	Sp. Conductivity (umhos/cm)	<u>2281</u>
Temperature (F)	<u>57.0</u>	Eh-Redox Potential (mV)	<u>-135</u>
Turbidity (NTUs)	<u>1.41</u>	Dissolved Oxygen (mg/L)	<u> </u>

Samples Collected (Number/Type):

240 Bottles- 1998 Baseline 6 VOC @ 1845 on 8-3-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 SAMPLE LOCATION: MW-19AA
 CLIENT: City of Auburn JOB #: 554.026.022
 Weather Conditions: P/C Temperature: 80.5

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>3.00</u>
Measured Well Depth (feet)*:	<u>37.37</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>5.61</u>

*depth from measuring point

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8-3-22
 Time: 1407

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 16.83

Actual Volume of Water Purged (gallons): 7.00

Did well purge dry? No ☐ Yes ☒
 Did well recover? No ☐ Yes ☒

Recovery Time: Overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 0935 Date: 8-4-22

SAMPLING DATA

Sample Appearance

Color: Very sl. haze Sediment: Some fines
 Odor: None

Field Measured Parameters

pH (Standard Units)	<u>7.53</u>	Sp. Conductivity (umhos/cm)	<u>2023</u>
Temperature (F)	<u>75.6</u>	Eh-Redox Potential (mV)	<u>-37</u>
Turbidity (NTUs)	<u>11.27</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 1415 on 8-3-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-19C **DUPE-4**
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: 9/1 **Temperature:** 80's
SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>Active</u>
Measured Well Depth (feet)*:	<u>62.22</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>—</u>

*depth from measuring point

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8-3-22
 Time: 1420

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): —

Actual Volume of Water Purged (gallons): 10.00

Did well purge dry? No ☒ Yes ☐

Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 0925 Date: 8-4-22

SAMPLING DATA

Sample Appearance
 Color: Clear Sediment: None
 Odor: None

Field Measured Parameters

pH (Standard Units)	<u>7.52</u>	Sp. Conductivity (umhos/cm)	<u>2231</u>
Temperature (F)	<u>75.5</u>	Eh-Redox Potential (mV)	<u>-35</u>
Turbidity (NTUs)	<u>1.44</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

24 Bottles- 1998 Baseline 6 VOC @ 1428 on 8-3-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

**FIELD SAMPLING DATA SHEET**

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: _____

SAMPLE LOCATION: MW-20AA
JOB #: 554.026.022
Temperature: _____

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	-
Measured Well Depth (feet)*:	25.39
Well Casing Diameter (inches):	-
Calculated Volume in Well Casing (gallons):	-

*depth from measuring point

Measuring Point: Top of Riser
Measured by: TJB / VBH
Date: _____
Time: _____

PURGING METHOD

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

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

Actual Volume of Water Purged (gallons): _____

Did well purge dry? No ☐ Yes ☐ 1/2 bailer
Did well recover? No ☐ Yes ☐ Recovery Time: _____

SAMPLING METHOD

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

Sampled by: TJB / VBH **Time:** _____ **Date:** _____

SAMPLING DATA

Sample Appearance

Color: _____ **Sediment:** _____
Odor: _____

Field Measured Parameters

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

Samples Collected (Number/Type):

Bottles- 1998 Baseline VOC @ on

Samples Delivered to: ALS **Time:** _____ **Date:** _____

COMMENTS:

Bailer stuck in well - no purge/sample

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 SAMPLE LOCATION: MW-20C
 CLIENT: City of Auburn JOB #: 554.026.022
 Weather Conditions: p/c Temperature: 80's
 SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	TOR <u>or tension</u>
Measured Well Depth (feet)*:	54.98
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	<u>or tension</u>

*depth from measuring point

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8-3-22
 Time: 1440

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): ✓

Actual Volume of Water Purged (gallons): 5.0

Did well purge dry? No ☒ Yes ☐
 Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 0955 Date: 8-4-22

SAMPLING DATA

Sample Appearance

Color: clear Sediment: some fines
 Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.52</u>	Sp. Conductivity (umhos/cm)	<u>2336</u>
Temperature (F)	<u>65.7</u>	Eh-Redox Potential (mV)	<u>-56</u>
Turbidity (NTUs)	<u>6.80</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 1250 on 8-3-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-21A
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: P/C **Temperature:** 80'S
SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	Artesian
Measured Well Depth (feet)*:	26.48
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	ar + casing

*depth from measuring point

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8-3-22
 Time: 1510

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): —

Actual Volume of Water Purged (gallons): 5.0

Did well purge dry? No ☒ Yes ☐
 Did well recover? No ☐ Yes ☒ Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1515 / 1020 Date: 8-4-22

SAMPLING DATA

Sample Appearance

Color: clear Sediment: finer
 Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.48</u>	Sp. Conductivity (umhos/cm)	<u>2538 2538</u>
Temperature (F)	<u>71.1</u>	Eh-Redox Potential (mV)	<u>-18</u>
Turbidity (NTUs)	<u>9.72</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 1515 on 8-3-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:



FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: P/C

SAMPLE LOCATION: MW-21C
JOB #: 554.026.022
Temperature: 80°

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify):
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	Artesian
Measured Well Depth (feet)*:	44.77
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	artesian

*depth from measuring point

Measuring Point: Top of Riser
Measured by: TJB / VBH
Date: 8-3-22
Time: 1508

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons):

Actual Volume of Water Purged (gallons):

5.0

Did well purge dry?

No

☒

Yes

☐

Did well recover?

No

☐

Yes

☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH

Time: 1015

Date: 8-4-22

SAMPLING DATA

Sample Appearance

Color:

Clear

Sediment:

Some fine

Odor:

none

Field Measured Parameters

pH (Standard Units)	7.57	Sp. Conductivity (umhos/cm)	2370
Temperature (F)	59.4	Eh-Redox Potential (mV)	-53
Turbidity (NTUs)	7.13	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline

3 VOC @ 1513 on 8-3-22

Samples Delivered to: ALS

Time:

Date:

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: P/c
SAMPLE LOCATION: MW-22A
JOB #: 554.026.022
Temperature: 80.5
SAMPLE TYPE: Groundwater ☐ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	Artesian
Measured Well Depth (feet)*:	24.29
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	—

*depth from measuring point

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8-3-22
 Time: 1526

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): —
 Actual Volume of Water Purged (gallons): 5.0

Did well purge dry? No ☒ Yes ☐
 Did well recover? No ☐ Yes ☒ Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1202 Date: 8-4-22

SAMPLING DATA

Sample Appearance: clear
 Color: none Sediment: fine
 Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.06</u>	Sp. Conductivity (umhos/cm)	<u>6983</u>
Temperature (F)	<u>60.8</u>	Eh-Redox Potential (mV)	<u>-80</u>
Turbidity (NTUs)	<u>4.02</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type): 12 Bottles- 1998 Baseline
3 VOC @ 1532 on 8-3-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

Shun on top of water

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: P/C
SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

SAMPLE LOCATION: MW-22C
JOB #: 554.026.022
Temperature: 80's

WATER LEVEL DATA

Static Water Level (feet)*:	Artesian
Measured Well Depth (feet)*:	48.52
Well Casing Diameter (inches):	2
Calculated Volume in Well Casing (gallons):	~

*depth from measuring point

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8-3-22
 Time: 1525

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): —

Actual Volume of Water Purged (gallons): 5.0

Did well purge dry? No ☒ Yes ☐
 Did well recover? No ☐ Yes ☒ Recovery Time: Overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1210 Date: 8-4-22

SAMPLING DATA

Sample Appearance: Clear
 Color: — Sediment: None
 Odor: Sulfur

Field Measured Parameters

pH (Standard Units)	<u>7.36</u>	Sp. Conductivity (umhos/cm)	<u>2253</u>
Temperature (F)	<u>59.8</u>	Eh-Redox Potential (mV)	<u>-153</u>
Turbidity (NTUs)	<u>2.38</u>	Dissolved Oxygen (mg/L)	<u>—</u>

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3VOC @ 1530 on 8-2-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 SAMPLE LOCATION: MW-23AA
 CLIENT: City of Auburn JOB #: 554.026.022
 Weather Conditions: Sun Temperature: 70's
 SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>9.94</u>
Measured Well Depth (feet)*:	<u>23.56</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>2.22</u>

*depth from measuring point

Measuring Point: Top of Riser
 Measured by: TJB / VBH
 Date: 8/2/22
 Time: 1017

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 6.67

Actual Volume of Water Purged (gallons): 6.75

Did well purge dry? No ☒ Yes ☐

Did well recover? No ☐ Yes ☒

Recovery Time: Overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 0915 Date: 8-3-22

SAMPLING DATA

Sample Appearance

Color: sl. haze Sediment: finer throughout + Bog parts
 Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.47</u>	Sp. Conductivity (umhos/cm)	<u>1134</u>
Temperature (F)	<u>59.9</u>	Eh-Redox Potential (mV)	<u>65</u>
Turbidity (NTUs)	<u>8.42</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline VOC @ 1030 on 8-2-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

Bog

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-23C
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: sun **Temperature:** 70's

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>22.40</u>
Measured Well Depth (feet)*:	<u>75.63</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>8.7</u>

*depth from measuring point

Measuring Point: Top of Riser

Measured by: TJB / VBH

Date: 8-2-22

Time: 10:10

PURGING METHOD

Equipment: Bailer ☐ Submersible Pump ☒ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☐ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 26.1

Actual Volume of Water Purged (gallons): 9.25

Did well purge dry? No ☐ Yes ☒

Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 0905 Date: 8-3-22

SAMPLING DATA

Sample Appearance

Color: hazy gray

Odor: none

Sediment: fine throughout + big parts

Field Measured Parameters

pH (Standard Units)	<u>9.57</u>	Sp. Conductivity (umhos/cm)	<u>1564</u>
Temperature (F)	<u>57.2</u>	Eh-Redox Potential (mV)	<u>93</u>
Turbidity (NTUs)	<u>8.64</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline VOC @ 10/18 on 8-2-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

Ants



FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: sun
SAMPLE LOCATION: MW-24A
JOB #: 554.026.022
Temperature: 70's
SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify):
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>6.77</u>
Measured Well Depth (feet)*:	<u>23.65</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>3.1</u>

*depth from measuring point

Measuring Point: Top of Riser
Measured by: TJB / VBH
Date: 8-2-22
Time: 13:45

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 9.25Actual Volume of Water Purged (gallons): 3.5

Did well purge dry? No ☐ Yes ☒
Did well recover? No ☐ Yes ☒ Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1125 Date: 8-3-22

SAMPLING DATA

Sample Appearance

Color: clear Sediment: some fiber
Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.34</u>	Sp. Conductivity (umhos/cm)	<u>1240</u>
Temperature (F)	<u>60.7</u>	Eh-Redox Potential (mV)	<u>90</u>
Turbidity (NTUs)	<u>7.73</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline VOC @13:51 on 8/2/22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

**FIELD SAMPLING DATA SHEET**

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: _____

SAMPLE LOCATION: MW-24C
JOB #: 554.026.022
Temperature: _____

SAMPLE TYPE: Groundwater ☒ Surface Water ☐ Other (specify): _____
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	
Measured Well Depth (feet)*:	27.69
Well Casing Diameter (inches):	
Calculated Volume in Well Casing (gallons):	

*depth from measuring point

Measuring Point: Top of Riser
Measured by: TJB / VBH
Date: _____
Time: _____

PURGING METHOD

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

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

Actual Volume of Water Purged (gallons): _____

Did well purge dry? No ☐ Yes ☐

Did well recover? No ☐ Yes ☐

Recovery Time: _____

SAMPLING METHOD

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

Sampled by: TJB / VBH Time: _____ Date: _____

SAMPLING DATA

Sample Appearance: DRY no sample
Color: _____ Sediment: _____
Odor: _____

Field Measured Parameters

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

Samples Collected (Number/Type): 0 Bottles- 1998 Baseline VOC @ _____ on _____

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-25A
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: Sun **Temperature:** 70's
SAMPLE TYPE: Groundwater ☐ Surface Water ☒ Other (specify): _____
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>5.20</u>
Measured Well Depth (feet)*:	<u>16.12</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>1.81</u>

*depth from measuring point

Measuring Point: Top of road
 Measured by: TJB / VBH
 Date: 8/2/22
 Time: 14:22

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 5.35

Actual Volume of Water Purged (gallons): 1.8

Did well purge dry? No ☐ Yes ☒
 Did well recover? No ☐ Yes ☒ Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1155 Date: 8-3-22

SAMPLING DATA

Sample Appearance

Color: sl. haze Sediment: Some fines
 Odor: None

Field Measured Parameters

pH (Standard Units)	<u>7.49</u>	Sp. Conductivity (umhos/cm)	<u>1294</u>
Temperature (F)	<u>57.0</u>	Eh-Redox Potential (mV)	<u>17</u>
Turbidity (NTUs)	<u>5.29</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline VOC @14:30 on 8/2/22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

**FIELD SAMPLING DATA SHEET**

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-25CC
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: Sun **Temperature:** 70's

SAMPLE TYPE: Groundwater ☐ Surface Water ☒ Other (specify): _____
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>22.81</u>
Measured Well Depth (feet)*:	<u>77.44</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>8.9</u>

*depth from measuring point

Measuring Point: Top of riser
Measured by: TJB / VBH
Date: 8/2/22
Time: 14:15

PURGING METHOD

Equipment: Bailer ☐ Submersible Pump ☒ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☐ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 26.75Actual Volume of Water Purged (gallons): 9.0Did well purge dry? No ☐ Yes ☒Did well recover? No ☐ Yes ☒Recovery Time: overnight**SAMPLING METHOD**

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1145 Date: 8-3-22**SAMPLING DATA**

Sample Appearance

Color: Clear Sediment: Fines/Big part
Odor: Dead Bug / st. Sulfur

Field Measured Parameters

pH (Standard Units)	<u>8.26</u>	Sp. Conductivity (umhos/cm)	<u>2748 2748</u>
Temperature (F)	<u>55.4</u>	Eh-Redox Potential (mV)	<u>-93</u>
Turbidity (NTUs)	<u>12.1</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline VOC @ 14:23 on 8/2/22Samples Delivered to: ALS Time: _____ Date: _____**COMMENTS:**

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
 CLIENT: City of Auburn
 Weather Conditions: Sun

SAMPLE LOCATION: MW-26A **DUPE-X**
 JOB #: 554.026.022
 Temperature: 80.5

SAMPLE TYPE: Groundwater ☐ Surface Water ☒ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>5.71</u>
Measured Well Depth (feet)*:	<u>19.52</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>2.25</u>

*depth from measuring point

Measuring Point: Top of Pipe
 Measured by: TJB / VBH
 Date: 8-2-22
 Time: 1500

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 6.76
 Actual Volume of Water Purged (gallons): 3.50

Did well purge dry? No ☐ Yes ☒
 Did well recover? No ☐ Yes ☒

Recovery Time: Overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1230 Date: 8-3-22

SAMPLING DATA

Sample Appearance
 Color: clear Sediment: fine fines
 Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.30</u>	Sp. Conductivity (umhos/cm)	<u>1375</u>
Temperature (F)	<u>62.7</u>	Eh-Redox Potential (mV)	<u>51</u>
Turbidity (NTUs)	<u>5.18</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type): 24 Bottles- 1998 Baseline 6 VOC @ 15K on 8-2-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
 CLIENT: City of Auburn
 Weather Conditions: Sun

SAMPLE LOCATION: MW-26C MSI/MSD
 JOB #: 554.026.022
 Temperature: 80's

SAMPLE TYPE: Groundwater ☒ Surface Water ☒ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>12.38</u>
Measured Well Depth (feet)*:	<u>47.67</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>5.76</u>

*depth from measuring point

Measuring Point: Top of River
 Measured by: TJB / VBH
 Date: 8-2-22
 Time: 15:02

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 17.28

Actual Volume of Water Purged (gallons): 17.25

Did well purge dry? No ☒ Yes ☐

Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1222 Date: 8-3-22

SAMPLING DATA

Sample Appearance

Color: Sl. haz grey Sediment: Some fines
 Odor: Sulfur

Field Measured Parameters

pH (Standard Units)	<u>7.38</u>	Sp. Conductivity (umhos/cm)	<u>2342</u>
Temperature (F)	<u>57.6</u>	Eh-Redox Potential (mV)	<u>-120</u>
Turbidity (NTUs)	<u>12.6</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

24 Bottles- 1998 Baseline 6 VOC @ 15:25 on 8-2-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 SAMPLE LOCATION: MW-28A
 CLIENT: City of Auburn JOB #: 554.026.022
 Weather Conditions: PL Temperature: 70'S
 SAMPLE TYPE: Groundwater ☐ Surface Water ☒ Other (specify): _____
 Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	<u>4.22</u>
Measured Well Depth (feet)*:	<u>42</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>6.17</u>

*depth from measuring point

Measuring Point: Top of riser
 Measured by: TJB / VBH
 Date: 8-4-22
 Time: 1320

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 18.50

Actual Volume of Water Purged (gallons): 18.50

Did well purge dry? No ☒ Yes ☐

Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1108 Date: 8-5-22

SAMPLING DATA

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

Field Measured Parameters

pH (Standard Units)	<u>7.41</u>	Sp. Conductivity (umhos/cm)	<u>2160</u>
Temperature (F)	<u>66.4</u>	Eh-Redox Potential (mV)	<u>74</u>
Turbidity (NTUs)	<u>6.60</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type): 12 Bottles- 1998 Baseline 3 VOC @ 14:10 on 8-4-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
CLIENT: City of Auburn
Weather Conditions: P/C
SAMPLE LOCATION: MW-28B
JOB #: 554.026.022
Temperature: 85
SAMPLE TYPE: Groundwater ☐ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☒

WATER LEVEL DATA

Static Water Level (feet)*:	<u>10.98</u>
Measured Well Depth (feet)*:	<u>24</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>2.12</u>

*depth from measuring point

Measuring Point: Top of Rise
 Measured by: TJB / VBH
 Date: 8-4-22
 Time: 1322

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): 6.37
 Actual Volume of Water Purged (gallons): 2.25

Did well purge dry? No ☐ Yes ☒
 Did well recover? No ☐ Yes ☒ Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1115 Date: 8-5-22

SAMPLING DATA

Sample Appearance: clear
 Color: none
 Odor: none
 Sediment: some fines

Field Measured Parameters

pH (Standard Units)	<u>7.51</u>	Sp. Conductivity (umhos/cm)	<u>171699</u>
Temperature (F)	<u>58.9</u>	Eh-Redox Potential (mV)	<u>95</u>
Turbidity (NTUs)		Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type): 3 Bottles- 1998 Baseline 3 VOC @ 13:32 on 8-4-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-29A
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: P/C **Temperature:** 80°
SAMPLE TYPE: Groundwater ☐ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☒

WATER LEVEL DATA

Static Water Level (feet)*:	<u>41.20m</u>
Measured Well Depth (feet)*:	<u>59.36</u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u>—</u>

*depth from measuring point

Measuring Point: Top of riser
 Measured by: TJB / VBH
 Date: 8-4-22
 Time: 1500

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): —

Actual Volume of Water Purged (gallons): 3.0

Did well purge dry? No ☒ Yes ☐
 Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1055 Date: 8-5-22

SAMPLING DATA

Sample Appearance

Color: Clear Sediment: fine
 Odor: sulfur

Field Measured Parameters

pH (Standard Units)	<u>7.40</u>	Sp. Conductivity (umhos/cm)	<u>2280 2280</u>
Temperature (F)	<u>55.8</u>	Eh-Redox Potential (mV)	<u>27</u>
Turbidity (NTUs)	<u>1.02</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 1505 on 8-4-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 SAMPLE LOCATION: MW-29B
 CLIENT: City of Auburn JOB #: 554.026.022
 Weather Conditions: P/L Temperature: 80°
 SAMPLE TYPE: Groundwater ☐ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☒

WATER LEVEL DATA

Static Water Level (feet)*:	Artesian
Measured Well Depth (feet)*:	27.22
Well Casing Diameter (inches):	2.0
Calculated Volume in Well Casing (gallons):	—

*depth from measuring point

Measuring Point: Top of Rise
 Measured by: TJB / VBH
 Date: 8-4-22
 Time: 1501

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): —

Actual Volume of Water Purged (gallons): 3.0

Did well purge dry? No ☒ Yes ☐
 Did well recover? No ☐ Yes ☒ Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 151100 Date: 8-5-22

SAMPLING DATA

Sample Appearance

Color: hazy Sediment: fine
 Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.35</u>	Sp. Conductivity (umhos/cm)	<u>2260</u>
Temperature (F)	<u>57.1</u>	Eh-Redox Potential (mV)	<u>-57</u>
Turbidity (NTUs)		Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 1508 on 8-4-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-30A
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: P/c **Temperature:** 80°
SAMPLE TYPE: Groundwater ☐ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☒

WATER LEVEL DATA

Static Water Level (feet)*:	Artesian
Measured Well Depth (feet)*:	—
Well Casing Diameter (inches):	2.0
Calculated Volume in Well Casing (gallons):	or feet

*depth from measuring point

Measuring Point: Top of Pipe
 Measured by: TJB / VBH
 Date: 8-4-22
 Time: 1408

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): —

Actual Volume of Water Purged (gallons): 3.0

Did well purge dry? No ☒ Yes ☐
 Did well recover? No ☐ Yes ☒

Recovery Time: Overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH Time: 1037 Date: 8-5-22

SAMPLING DATA

Sample Appearance

Color: clear Sediment: none
 Odor: none

Field Measured Parameters

pH (Standard Units)	<u>7.33</u>	Sp. Conductivity (umhos/cm)	<u>2472</u>
Temperature (F)	<u>56.9</u>	Eh-Redox Potential (mV)	<u>-29</u>
Turbidity (NTUs)	<u>0.76</u>	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 1414 on 8-4-22

Samples Delivered to: ALS Time: _____ Date: _____

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1 **SAMPLE LOCATION:** MW-30B
CLIENT: City of Auburn **JOB #:** 554.026.022
Weather Conditions: P/C **Temperature:** 80's

SAMPLE TYPE: Groundwater ☐ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☒

WATER LEVEL DATA

Static Water Level (feet)*:	<u>Artesian</u>
Measured Well Depth (feet)*:	<u> </u>
Well Casing Diameter (inches):	<u>2</u>
Calculated Volume in Well Casing (gallons):	<u> </u>

*depth from measuring point

Measuring Point: Top of Rd
 Measured by: TJB / VBH
 Date: 8-21-22
 Time: 1410

PURGING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons):

Actual Volume of Water Purged (gallons): 3.0

Did well purge dry? No ☒ Yes ☐

Did well recover? No ☐ Yes ☒

Recovery Time: overnight

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☒ Non-dedicated ☐ Grab ☒

Sampled by: TJB / VBH

Time: 1045

Date: 8-5-22

SAMPLING DATA

Sample Appearance

Color: Clear Sediment: None
 Odor: None

Field Measured Parameters

pH (Standard Units)	<u>7.38</u>	Sp. Conductivity (umhos/cm)	<u>2314</u>
Temperature (F)	<u>59.0</u>	Eh-Redox Potential (mV)	<u>-64</u>
Turbidity (NTUs)	<u>2.90</u>	Dissolved Oxygen (mg/L)	<u> </u>

Samples Collected (Number/Type):

12 Bottles- 1998 Baseline 3 VOC @ 1430 on 8-4-22

Samples Delivered to: ALS

Time: Date:

COMMENTS:

FIELD SAMPLING DATA SHEET

SITE: Auburn Landfill #1
 CLIENT: City of Auburn
 Weather Conditions: P/C

SAMPLE LOCATION: MH-1N
 JOB #: 554.026.022
 Temperature: 80's

SAMPLE TYPE: Groundwater ☐ Surface Water ☐ Other (specify): _____
 Sediment ☐ Leachate ☒

WATER LEVEL DATA

Static Water Level (feet)*: _____
 Measured Well Depth (feet)*: _____
 Well Casing Diameter (inches): _____
 Calculated Volume in Well Casing (gallons): _____
 *depth from measuring point

Measuring Point: _____
 Measured by: _____
 Date: _____
 Time: _____

PURGING METHOD

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

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

Actual Volume of Water Purged (gallons): _____

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

SAMPLING METHOD

Equipment: Bailer ☒ Submersible Pump ☐ Air Lift System ☐
 Bladder Pump ☐ Foot Valve ☐ Peristaltic Pump ☐
 Dedicated ☐ Non-dedicated ☒ Grab ☒

Sampled by: TJB / VBH Time: 1150 Date: 8-4-22

SAMPLING DATA

Sample Appearance: Brown
 Color: Brown Sediment: finer than sand
 Odor: Dirt

Field Measured Parameters

pH (Standard Units)	<u>7.36</u>	Sp. Conductivity (umhos/cm)	<u>5348</u>
Temperature (F)	<u>75.3</u>	Eh-Redox Potential (mV)	<u>-176</u>
Turbidity (NTUs)	<u>over range</u>	Dissolved Oxygen (mg/L)	<u>-</u>

Samples Collected (Number/Type):

19 Bottles- Expanded

Samples Delivered to: _____ Time: _____ Date: _____

COMMENTS:

water level very low - may not be representative of historical data
unable to obtain any clear sample

AUBURN # 1 LANDFILL GAS SURVEY LOG

Date: 8-5-22		
Logged By: TB/VBH		
Instrument Model: Multi RAE		
Barometric Pressure (in): 30.13		
Wind Velocity (mph): WSW 3 mph		
Temperature (F): 81°		
GAS MONITORING POINT LOCATION	GAS READING (%VOLUME)	COMMENTS
MW-3	NIR	
MW-4AA	NIR	
MW-4B	NIR	
MW-4C	NIR	
MW-5AA	NIR	
MW-5B	NIR	
MW-7AA	NIR	
MW-7BB	NIR	
MW-11B	NIR	
MW-11C	NIR	
MW-18AA	NIR	
MW-18CC	NIR	
MW-19AA	NIR	
MW-19CC	NIR	
MW-20AA	NIR	
MW-20C	NIR	
MW-21A	NIR	
MW-21C	NIR	
MW-22A	NIR	
MW-23AA	NIR	
MW-23CC	NIR	
MW-24A	NIR	
MW-24C	NIR	
MW-25A	NIR	
MW-25CC	NIR	
MW-26A	NIR	
MW-26C	NIR	
MW-28A	NIR	
MW-28B	NIR	
MW-29A	NIR	
MW-29B	NIR	
MW-30A	NIR	
MW-30B	NIR	

Notes:

NIR= No Instrument Response

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Calibration Record

Project No: 554.026.020 Auburn #1 Date: 8-3-22
Calibrated By: TJB Time: 0813

pH Instrument Model:

Standard Solution	Calibration Reading	Acceptable Range
pH 4:	<u>4.00</u>	(+/- 1.0 pH, pH 3.0 - 5.0)
pH 7:	<u>7.00</u>	(+/- 1.5 pH, pH 5.5 - 8.5)
pH 10:	<u>10.00</u>	(+/- 1.0 pH, pH 9.0 - 11.0)

Sp. Conductivity Instrument Model:

Standard Solution	Calibration Reading	Acceptable Range
7000 uS	<u>7000</u>	(+/- 1.0 % Error)

ORP Instrument Model:

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

Turbidimeter Model: LaMotte 2020we

Standard Solution	Calibration Reading	Acceptable Range
0.0	<u>Blank</u>	Blank 0.0 NTU
1.0	<u>1.0</u>	(0.5-1.5 NTU)
10.0	<u>10.0</u>	(8-12 NTU)

Dissolved Oxygen Meter Model: YSI EcoSense

Saturated Air	Air Pressure (MB)	Calibration Reading	Acceptable Range
100%	<u> </u>	<u> </u>	(+/- 5.0% Error, 95-105%)

Comments ORP Cal'd w/pH



Calibration Certificate

rev 8/9/11

Work Order No.: SE-106339

Date of Service: 08/01/22

Order Time: 2:15:25 PM

Unit Under Test: RAE MultiRAE

Asset No.: FA01210 Technician Joshua Young

Serial No: MBB3Z061R2

Initials: JY

TEST	Specification	Result
Standard Calibration	Pass/Fail	Pass

TEST STANDARDS USED:

DESCRIPTION	LOT NO./EXPIRATION DATE	QUANTITY
Four Gas Mix for RAE	Lot No. 304-402055661-1 Exp. 05/25/2023	1
50% Methane & 35% Carbon Dioxide in N2	Lot No. 305-401618848-1 Exp. 10/22/2023	1

TEST EQUIPMENT USED:

DESCRIPTION	ASSET NO.	SERIAL NO.	DATE OF LAST CAL	DATE CAL DUE

Test Equipment and standards are traceable to National standards.

*CH₄ (FA02649) sensor installed

Barton & Loguidice

Calibration Record

Project No: 554.026.022 - Auburn #1

Date: 8-4-22

Calibrated By: FJB

Time: 0820

pH Instrument Model:

Standard Solution	Calibration Reading	Acceptable Range
pH 4:	<u>5.98</u>	(+/- 1.0 pH, pH 3.0 - 5.0)
pH 7:	<u>7.00</u>	(+/- 1.5 pH, pH 5.5 - 8.5)
pH 10:	<u>10.01</u>	(+/- 1.0 pH, pH 9.0 - 11.0)

Sp. Conductivity

Instrument Model:

Standard Solution	Calibration Reading	Acceptable Range
7000 μ S	<u>7000</u>	(+/- 1.0 % Error)

ORP Instrument Model:

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

Turbidimeter Model: LaMotte 2020we

Standard Solution	Calibration Reading	Acceptable Range
0.0	<u>Blank</u>	Blank 0.0 NTU
1.0	<u>1.08</u>	(0.5-1.5 NTU)
10.0	<u>9.63</u>	(8-12 NTU)

Dissolved Oxygen Meter Model: YSI EcoSense

Saturated Air	Air Pressure (MB)	Calibration Reading	Acceptable Range
100%	<u>—</u>	<u>—</u>	(+/- 5.0% Error, 95-105%)

Comments: ORP cal'd w/pH

Barton & Loguidice

Calibration Record

Project No:

554.026022

Date:

8-5-22

Calibrated By:

TJB

Time:

0845

pH Instrument Model:

Standard Solution

pH 4:

pH 7:

pH 10:

Calibration Reading

4.00

7.00

10.01

Acceptable Range

(+/- 1.0 pH, pH 3.0 - 5.0)

(+/- 1.5 pH, pH 5.5 - 8.5)

(+/- 1.0 pH, pH 9.0 - 11.0)

Sp. Conductivity

Instrument Model:

Standard Solution

7000 uS

Calibration Reading

6999

Acceptable Range

(+/- 1.0 % Error)

ORP Instrument Model:

Standard Solution

Calibration Reading

/

Acceptable Range

Myron 6p ORP
calibration is
calculated by pH and
SPC values

Turbidimeter Model: LaMotte 2020we

Standard Solution

0.0

1.0

10.0

Calibration Reading

Blank

1.00

9.97

Acceptable Range

Blank 0.0 NTU

(0.5-1.5 NTU)

(8-12 NTU)

Dissolved Oxygen Meter Model: YSI EcoSense

Saturated Air

100%

Air Pressure (MB)

/

Calibration Reading

/

Acceptable Range

(+/- 5.0% Error, 95-105%)

Comments:

ORP cal'd w/pH

Appendix B



September 22, 2022

Service Request No:R2207182

Mr. Matthew Strodel
Barton & Loguidice, PC
443 Electronics Parkway
Liverpool, NY 13088

Laboratory Results for: Auburn Landfill #1 - Baseline

Dear Mr.Strodel,

Enclosed are the results of the sample(s) submitted to our laboratory August 03, 2022
For your reference, these analyses have been assigned our service request number **R2207182**.

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

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Nicole Mansen
Project Manager

ADDRESS

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ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline
Sample Matrix: Water

Service Request: R2207182
Date Received: 08/03/2022

CASE NARRATIVE

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

Sample Receipt:

Thirty one water samples were received for analysis at ALS Environmental on 08/03/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

Method 7196A/SM3500CrB/218.6/7199: The matrix spike recovery for Hexavalent Chromium was below the specified control limit, likely due to a reducing characteristic of the sample matrix. The low matrix spike recovery suggests that the chemistry of the sample will not sustain chromium in the hexavalent form. The sample result is flagged to indicate the discrepancy. No further corrective action was appropriate.

Method SM5210B, R2207182-007: The BOD result was calculated from two bottles that had a %Difference >30%. The % Difference does not appear to be due to toxicity.

Volatiles by GC/MS:

Method 8260C, 08/09/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, R2207182-006: Analysis was performed on a sample with headspace. Headspace-free sample was not available.

Revision Comment:

Report revised to include missing analytes.

Approved by

Date

08/31/2022



SAMPLE DETECTION SUMMARY

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

CLIENT ID: MW-4B VOA	Lab ID: R2207182-006

Analyte	Results	Flag	MDL	MRL	Units	Method
2-Butanone (MEK)	0.93	J	0.78	5.0	ug/L	8260C

CLIENT ID: MW-4AA VOA	Lab ID: R2207182-004

Analyte	Results	Flag	MDL	MRL	Units	Method
4-Methyl-2-pentanone	0.50	J	0.20	5.0	ug/L	8260C
Carbon Disulfide	0.58	J	0.42	1.0	ug/L	8260C

CLIENT ID: MW-26A VOA	Lab ID: R2207182-026

Analyte	Results	Flag	MDL	MRL	Units	Method
4-Methyl-2-pentanone	0.87	J	0.20	5.0	ug/L	8260C

CLIENT ID: DUPE-X VOA	Lab ID: R2207182-028

Analyte	Results	Flag	MDL	MRL	Units	Method
4-Methyl-2-pentanone	0.90	J	0.20	5.0	ug/L	8260C

CLIENT ID: MW-23C	Lab ID: R2207182-001

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	28.0			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.351			0.050	mg/L	350.1
Carbon, Total Organic (TOC)	3.2			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	10.1			5.0	mg/L	410.4
Chloride	18.4			2.0	mg/L	300.0
Color	13.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	997			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	1.17			0.20	mg/L	351.2
pH of Color Analysis	9.84				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	1370			10	mg/L	SM 2540 C-2015
Sulfate	958			20	mg/L	300.0

CLIENT ID: MW-4AA	Lab ID: R2207182-003

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	574			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.868			0.050	mg/L	350.1
Carbon, Total Organic (TOC)	7.3			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	8.0			5.0	mg/L	410.4
Chloride	2.7			2.0	mg/L	300.0
Color	3.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	555			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	1.46			0.20	mg/L	351.2

SAMPLE DETECTION SUMMARY

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

CLIENT ID: MW-4AA	Lab ID: R2207182-003

Analyte	Results	Flag	MDL	MRL	Units	Method
pH of Color Analysis	7.01				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	636			10	mg/L	SM 2540 C-2015
Sulfate	63.1			2.0	mg/L	300.0

CLIENT ID: MW-4B	Lab ID: R2207182-005

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	376			2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	2.8			1.0	mg/L	SM 5310 B-2014
Chloride	9.6			2.0	mg/L	300.0
Color	2.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	352			6.62	mg/L	SM 2340 B-1997 (2011)
pH of Color Analysis	7.58				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	639			10	mg/L	SM 2540 C-2015
Sulfate	172			6.0	mg/L	300.0

CLIENT ID: MW-4C	Lab ID: R2207182-007

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	110			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	1.07			0.25	mg/L	350.1
Biochemical Oxygen Demand (BOD)	4.8			2.0	mg/L	SM 5210 B-2016
Carbon, Total Organic (TOC)	2.0			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	10.1			5.0	mg/L	410.4
Chloride	4.9			2.0	mg/L	300.0
Color	3.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	765			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	10.1			0.40	mg/L	351.2
pH of Color Analysis	7.96				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	1340			10	mg/L	SM 2540 C-2015
Sulfate	817			20	mg/L	300.0

CLIENT ID: MW-23AA	Lab ID: R2207182-009

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	402			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.162			0.050	mg/L	350.1
Carbon, Total Organic (TOC)	5.7			1.0	mg/L	SM 5310 B-2014
Chloride	124			6.0	mg/L	300.0



SAMPLE DETECTION SUMMARY

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

CLIENT ID: MW-23AA	Lab ID: R2207182-009

Analyte	Results	Flag	MDL	MRL	Units	Method
Color	3.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	462			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.46			0.20	mg/L	351.2
pH of Color Analysis	7.32				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	644			10	mg/L	SM 2540 C-2015
Sulfate	45.4			2.0	mg/L	300.0

CLIENT ID: MW-24A	Lab ID: R2207182-011

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	414			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.052			0.050	mg/L	350.1
Carbon, Total Organic (TOC)	4.3			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	5.2			5.0	mg/L	410.4
Chloride	9.1			2.0	mg/L	300.0
Color	2.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	649			6.62	mg/L	SM 2340 B-1997 (2011)
pH of Color Analysis	7.30				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	927			10	mg/L	SM 2540 C-2015
Sulfate	304			8.0	mg/L	300.0

CLIENT ID: MW-7AA	Lab ID: R2207182-013

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	536			2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	6.3			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	12.8			5.0	mg/L	410.4
Chloride	735			20	mg/L	300.0
Color	2.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	1140			6.62	mg/L	SM 2340 B-1997 (2011)
pH of Color Analysis	7.12				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	1910			14	mg/L	SM 2540 C-2015
Sulfate	141			20	mg/L	300.0

CLIENT ID: MW-7BB	Lab ID: R2207182-015

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	237			2.0	mg/L	SM 2320 B-1997 (2011)

SAMPLE DETECTION SUMMARY

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

CLIENT ID: MW-7BB	Lab ID: R2207182-015

Analyte	Results	Flag	MDL	MRL	Units	Method
Ammonia as Nitrogen, undistilled	0.316			0.050	mg/L	350.1
Bromide	1.0			1.0	mg/L	300.0
Carbon, Total Organic (TOC)	2.6			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	6.6			5.0	mg/L	410.4
Chloride	27.2			2.0	mg/L	300.0
Color	2.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	2050			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.45			0.20	mg/L	351.2
pH of Color Analysis	7.11				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	2800			33	mg/L	SM 2540 C-2015
Sulfate	1650			40	mg/L	300.0

CLIENT ID: MW-11B	Lab ID: R2207182-017

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	203			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.175			0.050	mg/L	350.1
Biochemical Oxygen Demand (BOD)	2.3			2.0	mg/L	SM 5210 B-2016
Carbon, Total Organic (TOC)	2.1			1.0	mg/L	SM 5310 B-2014
Color	3.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	339			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.38			0.20	mg/L	351.2
pH of Color Analysis	7.60				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	564			10	mg/L	SM 2540 C-2015
Sulfate	216			6.0	mg/L	300.0

CLIENT ID: MW-11C	Lab ID: R2207182-019

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	142			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.175			0.050	mg/L	350.1
Carbon, Total Organic (TOC)	1.2			1.0	mg/L	SM 5310 B-2014
Color	1.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	898			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.31			0.20	mg/L	351.2
pH of Color Analysis	7.48				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	1400			10	mg/L	SM 2540 C-2015

SAMPLE DETECTION SUMMARY

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

CLIENT ID: MW-11C	Lab ID: R2207182-019

Analyte	Results	Flag	MDL	MRL	Units	Method
Sulfate	862			20	mg/L	300.0

CLIENT ID: MW-25A	Lab ID: R2207182-021

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	391			2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	3.7			1.0	mg/L	SM 5310 B-2014
Color	2.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	689			6.62	mg/L	SM 2340 B-1997 (2011)
pH of Color Analysis	7.39				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	988			10	mg/L	SM 2540 C-2015
Sulfate	386			8.0	mg/L	300.0

CLIENT ID: MW-25CC	Lab ID: R2207182-023

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	52.6			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.382			0.050	mg/L	350.1
Biochemical Oxygen Demand (BOD)	5.9			2.0	mg/L	SM 5210 B-2016
Carbon, Total Organic (TOC)	1.1			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	12.8			5.0	mg/L	410.4
Chloride	2.0			2.0	mg/L	300.0
Color	1.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	1720			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.86			0.20	mg/L	351.2
pH of Color Analysis	7.26				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	2750			33	mg/L	SM 2540 C-2015
Sulfate	1910			40	mg/L	300.0

CLIENT ID: MW-26A	Lab ID: R2207182-025

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	483			2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	11.9			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	20.9			5.0	mg/L	410.4
Chloride	148			6.0	mg/L	300.0
Color	3.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	533			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.63			0.20	mg/L	351.2

SAMPLE DETECTION SUMMARY

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

CLIENT ID: MW-26A	Lab ID: R2207182-025

Analyte	Results	Flag	MDL	MRL	Units	Method
pH of Color Analysis	7.21				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	850			10	mg/L	SM 2540 C-2015
Sulfate	88.4			2.0	mg/L	300.0

CLIENT ID: DUPE-X	Lab ID: R2207182-027

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	483			2.0	mg/L	SM 2320 B-1997 (2011)
Carbon, Total Organic (TOC)	12.2			1.0	mg/L	SM 5310 B-2014
Chemical Oxygen Demand, Total	20.9			5.0	mg/L	410.4
Chloride	145			6.0	mg/L	300.0
Color	3.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	527			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.34			0.20	mg/L	351.2
pH of Color Analysis	7.23				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	826			10	mg/L	SM 2540 C-2015
Sulfate	89.7			2.0	mg/L	300.0

CLIENT ID: MW-26C	Lab ID: R2207182-029

Analyte	Results	Flag	MDL	MRL	Units	Method
Alkalinity, Total as CaCO ₃	231			2.0	mg/L	SM 2320 B-1997 (2011)
Ammonia as Nitrogen, undistilled	0.227			0.050	mg/L	350.1
Carbon, Total Organic (TOC)	2.6			1.0	mg/L	SM 5310 B-2014
Chloride	12.7			2.0	mg/L	300.0
Color	1.0			1.0	ColorUnits	SM 2120 B-2001 (2011)
Hardness, Total as CaCO ₃	1640			6.62	mg/L	SM 2340 B-1997 (2011)
Nitrogen, Total Kjeldahl (TKN)	0.27			0.20	mg/L	351.2
pH of Color Analysis	7.24				pH Units	SM 2120 B-2001 (2011)
Solids, Total Dissolved (TDS)	2210			11	mg/L	SM 2540 C-2015
Sulfate	1220			40	mg/L	300.0

CLIENT ID: MW-7BB VOA	Lab ID: R2207182-016

Analyte	Results	Flag	MDL	MRL	Units	Method
Carbon Disulfide	0.47	J	0.42	1.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request:R2207182

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2207182-001	MW-23C	8/3/2022	0905
R2207182-002	MW-23C VOA	8/2/2022	1018
R2207182-003	MW-4AA	8/3/2022	0933
R2207182-004	MW-4AA VOA	8/2/2022	1126
R2207182-005	MW-4B	8/3/2022	0940
R2207182-006	MW-4B VOA	8/2/2022	1136
R2207182-007	MW-4C	8/3/2022	0955
R2207182-008	MW-4C VOA	8/2/2022	1133
R2207182-009	MW-23AA	8/3/2022	0915
R2207182-010	MW-23AA VOA	8/2/2022	1030
R2207182-011	MW-24A	8/3/2022	1125
R2207182-012	MW-24A VOA	8/2/2022	1351
R2207182-013	MW-7AA	8/3/2022	1255
R2207182-014	MW-7AA VOA	8/2/2022	1537
R2207182-015	MW-7BB	8/3/2022	1303
R2207182-016	MW-7BB VOA	8/2/2022	1535
R2207182-017	MW-11B	8/3/2022	1058
R2207182-018	MW-11B VOA	8/2/2022	1238
R2207182-019	MW-11C	8/3/2022	1047
R2207182-020	MW-1C VOA	8/2/2022	1222
R2207182-021	MW-25A	8/3/2022	1155
R2207182-022	MW-25A VOA	8/2/2022	1430
R2207182-023	MW-25CC	8/3/2022	1145
R2207182-024	MW-25CC VOA	8/2/2022	1423
R2207182-025	MW-26A	8/3/2022	1230
R2207182-026	MW-26A VOA	8/2/2022	1512
R2207182-027	DUPE-X	8/3/2022	
R2207182-028	DUPE-X VOA	8/2/2022	
R2207182-029	MW-26C	8/3/2022	1222
R2207182-030	MW-26C VOA	8/2/2022	1525
R2207182-031	Trip Blank	8/2/2022	



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Page 1/4

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R2207182
Barton & Loguidice, PC
Auburn Landfill #1 - Baseline

4





Cooler Receipt and Preservation Check Form

R2207182

5

Barton & Loguidice, PC
Auburn Landfill #1 - BaselineProject/Client Barton Folder Number _____Cooler received on 8/3/22 by: BAKCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y ☒ N ☐
2	Custody papers properly completed (ink, signed)?	☒ N ☐
3	Did all bottles arrive in good condition (unbroken)?	☒ N ☐
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	☒ N ☐

5a	Perchlorate samples have required headspace?	Y N ☒ NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	☒ N NA
6	Where did the bottles originate?	<u>ALS/BOC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

3. Temperature Readings Date: 8/3 Time: 17:5 ID: IR#7 IR#11 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>11.3</u>	<u>18.1</u>	<u>17.5</u>	<u>22.0</u>			
Within 0-6°C?	Y ☒ N ☐	Y ☒ N ☐	Y ☒ N ☐	Y ☒ N ☐	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: 1002 by BAK on 8/3 at 1720
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: _____ Time: _____ by: _____

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

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH	✓		199040	5/23				
≤2		HNO ₃	✓		40047040 1122031	5/23				
≤2		H ₂ SO ₄	✓		1120-10, 3121040	4/23, 6/24				
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522	✓		If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 22-04-20, 050922-1EXP, 051622-3EXP, 220527

Explain all Discrepancies/ Other Comments:

5h) all ok

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: BAK

PC Secondary Review: _____

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

Internal Chain of Custody Report

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-001.11	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000110 / SMEDBURY	
R2207182-001.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-002.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1443	R-001-S10 / FNAEGLER	
R2207182-002.02		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-002.03		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-003.01	7470A	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-002 / GESMERIAN	
		8/10/2022	1331	In Lab / CDISTEFANO	
R2207182-003.02	SM 2320 B-1997(2011)	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1629	RT000168 / GESMERIAN	
		8/5/2022	1629	R-014 / GESMERIAN	
R2207182-003.03	6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010 C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-A01 / GESMERIAN	
		8/8/2022	1439	In Lab / CDISTEFANO	
		8/8/2022	1531	R-A01 / CDISTEFANO	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-003.06	7196A,300.0,300.0,300.0,SM 2540 C-2015,300.0	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1635	RT000571 / GESMERIAN	
		8/5/2022	1635	R-022 / GESMERIAN	
R2207182-003.07	SM 5310 B-2014,9066	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1710	R-015 / ALUGO	
		8/4/2022	1711	RT000643 / ALUGO	
		9/20/2022	1736	R-002 / ALUGO	
R2207182-003.08	Kelada-01	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1713	R-015 / ALUGO	
		8/4/2022	1714	RT000252 / ALUGO	
		9/21/2022	1804	R-002 / GESMERIAN	
R2207182-003.09	410.4,351.2,350.1	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1715	R-016 / ALUGO	
		8/4/2022	1716	RT000532 / ALUGO	
		8/31/2022	1714	R-002 / GESMERIAN	
R2207182-003.10	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000110 / SMEDBURY	
R2207182-003.11		8/4/2022	1513	SMO / GESMERIAN	
R2207182-003.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-004.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1443	R-001-S10 / FNAEGLER	
R2207182-004.02					

Internal Chain of Custody Report

Service Request: R2207182

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-005.09	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1715	R-016 / ALUGO	
		8/4/2022	1716	RT000532 / ALUGO	
		8/31/2022	1714	R-002 / GESMERIAN	
R2207182-005.10	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000110 / SMEDBURY	
R2207182-005.11		8/4/2022	1513	SMO / GESMERIAN	
R2207182-005.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-006.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1443	R-001-S10 / FNAEGLER	
R2207182-006.02		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-006.03		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-007.01	7470A	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-002 / GESMERIAN	
		8/10/2022	1331	In Lab / CDISTEFANO	
R2207182-007.02	SM 2320 B-1997(2011)	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1629	RT000168 / GESMERIAN	
		8/5/2022	1629	R-014 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-007.03					
	6010C,6010C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-A01 / GESMERIAN	
		8/8/2022	1439	In Lab / CDISTEFANO	
		8/8/2022	1531	R-A01 / CDISTEFANO	
R2207182-007.06					
	7196A,300.0,300.0,300.0,300.0,SM 2540 C-2015	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1635	RT000571 / GESMERIAN	
		8/5/2022	1635	R-022 / GESMERIAN	
R2207182-007.07					
	SM 5310 B-2014,9066	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1710	R-015 / ALUGO	
		8/4/2022	1711	RT000643 / ALUGO	
		9/20/2022	1736	R-002 / ALUGO	
R2207182-007.08					
	Kelada-01	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1713	R-015 / ALUGO	
		8/4/2022	1715	RT000252 / ALUGO	
		9/21/2022	1804	R-002 / GESMERIAN	
R2207182-007.09					
	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1715	R-016 / ALUGO	
		8/4/2022	1716	RT000532 / ALUGO	
		8/31/2022	1714	R-002 / GESMERIAN	
R2207182-007.10					
	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000395 / SMEDBURY	
R2207182-007.11					
		8/4/2022	1513	SMO / GESMERIAN	
R2207182-007.12					
	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-009.08	SM 5310 B-2014,9066	9/20/2022	1736	R-002 / ALUGO	
	Kelada-01	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1713	R-015 / ALUGO	
		8/4/2022	1715	RT000252 / ALUGO	
		9/21/2022	1804	R-002 / GESMERIAN	
R2207182-009.09	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1715	R-016 / ALUGO	
		8/4/2022	1716	RT000532 / ALUGO	
		8/31/2022	1714	R-002 / GESMERIAN	
R2207182-009.10	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	RT000395 / SMEDBURY	
		8/4/2022	2204	R-002 / SMEDBURY	
R2207182-009.11		8/4/2022	1513	SMO / GESMERIAN	
R2207182-009.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-010.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1443	R-001-S10 / FNAEGLER	
R2207182-010.02		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-010.03		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-011.01					

Internal Chain of Custody Report

Service Request: R2207182

Page 23 of 178

Internal Chain of Custody Report

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-011.11	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	RT000395 / SMEDBURY	
		8/4/2022	2204	R-002 / SMEDBURY	
R2207182-011.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-012.01		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-012.02	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1443	R-001-S10 / FNAEGLER	
R2207182-012.03		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-013.01	7470A	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-002 / GESMERIAN	
		8/10/2022	1331	In Lab / CDISTEFANO	
R2207182-013.02	SM 2320 B-1997(2011)	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1629	R-014 / GESMERIAN	
		8/5/2022	1630	RT000168 / GESMERIAN	
R2207182-013.03	6010C,6010C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-A01 / GESMERIAN	
		8/8/2022	1439	In Lab / CDISTEFANO	
		8/8/2022	1531	R-A01 / CDISTEFANO	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-013.06	7196A,300.0,300.0,SM 2540 C-2015,300.0,300.0	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1635	RT000571 / GESMERIAN	
		8/5/2022	1635	R-022 / GESMERIAN	
R2207182-013.07	SM 5310 B-2014,9066	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1710	R-015 / ALUGO	
		8/4/2022	1711	RT000643 / ALUGO	
		9/20/2022	1736	R-002 / ALUGO	
R2207182-013.08	Kelada-01	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1713	R-015 / ALUGO	
		8/4/2022	1715	RT000252 / ALUGO	
		9/21/2022	1804	R-002 / GESMERIAN	
R2207182-013.09	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/9/2022	0825	R-016 / GESMERIAN	
		8/9/2022	0827	RT000758 / GESMERIAN	
		9/3/2022	1538	R-002 / MMARLEY	
R2207182-013.10	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	RT000395 / SMEDBURY	
		8/4/2022	2204	R-002 / SMEDBURY	
R2207182-013.11		8/4/2022	1513	SMO / GESMERIAN	
R2207182-013.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-014.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1443	R-001-S10 / FNAEGLER	
R2207182-014.02					

Internal Chain of Custody Report

Service Request: R2207182

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ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-015.09	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/9/2022	0825	R-016 / GESMERIAN	
		8/9/2022	0826	RT000758 / GESMERIAN	
		9/3/2022	1538	R-002 / MMARLEY	
R2207182-015.10	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000395 / SMEDBURY	
R2207182-015.11		8/4/2022	1513	SMO / GESMERIAN	
R2207182-015.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-016.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1443	R-001-S10 / FNAEGLER	
R2207182-016.02		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-016.03		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-017.01	7470A	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-002 / GESMERIAN	
		8/10/2022	1331	In Lab / CDISTEFANO	
R2207182-017.02	SM 2320 B-1997(2011)	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1629	R-014 / GESMERIAN	
		8/5/2022	1630	RT000168 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-017.03					
	6010C,6010C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-A01 / GESMERIAN	
		8/8/2022	1439	In Lab / CDISTEFANO	
		8/8/2022	1531	R-A01 / CDISTEFANO	
R2207182-017.06					
	7196A,300.0,300.0,SM 2540 C-2015,300.0,300.0	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1635	RT000571 / GESMERIAN	
		8/5/2022	1635	R-022 / GESMERIAN	
R2207182-017.07					
	SM 5310 B-2014,9066	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1710	R-015 / ALUGO	
		8/4/2022	1711	RT000643 / ALUGO	
		9/20/2022	1736	R-002 / ALUGO	
R2207182-017.08					
	Kelada-01	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1713	R-015 / ALUGO	
		8/4/2022	1714	RT000252 / ALUGO	
		9/21/2022	1804	R-002 / GESMERIAN	
R2207182-017.09					
	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/9/2022	1108	R-016 / GESMERIAN	
		8/9/2022	1109	RT000751 / GESMERIAN	
		9/2/2022	1630	R-002 / GESMERIAN	
R2207182-017.10					
	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000395 / SMEDBURY	
R2207182-017.11					
		8/4/2022	1513	SMO / GESMERIAN	
R2207182-017.12					
	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	

Internal Chain of Custody Report

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-018.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1443	R-001-S10 / FNAEGLER	
R2207182-018.02					
		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-018.03					
		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-019.01	7470A				
		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-002 / GESMERIAN	
		8/10/2022	1331	In Lab / CDISTEFANO	
R2207182-019.02	SM 2320 B-1997(2011)				
		8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1629	RT000168 / GESMERIAN	
		8/5/2022	1629	R-014 / GESMERIAN	
R2207182-019.03	6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010 C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C				
		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-A01 / GESMERIAN	
		8/8/2022	1440	In Lab / CDISTEFANO	
		8/8/2022	1531	R-A01 / CDISTEFANO	
R2207182-019.06	7196A,300.0,300.0,SM 2540 C-2015,300.0,300.0				
		8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1635	RT000571 / GESMERIAN	
		8/5/2022	1635	R-022 / GESMERIAN	
R2207182-019.07	SM 5310 B-2014,9066				
		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1710	R-015 / ALUGO	
		8/4/2022	1711	RT000643 / ALUGO	

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-019.08	SM 5310 B-2014,9066	9/20/2022	1736	R-002 / ALUGO	
	Kelada-01	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1713	R-015 / ALUGO	
		8/4/2022	1714	RT000252 / ALUGO	
		9/21/2022	1804	R-002 / GESMERIAN	
R2207182-019.09	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/8/2022	1026	R-016 / GESMERIAN	
		8/8/2022	1027	RT000234 / GESMERIAN	
		9/2/2022	1631	R-002 / GESMERIAN	
R2207182-019.10	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000110 / SMEDBURY	
R2207182-019.11		8/4/2022	1513	SMO / GESMERIAN	
R2207182-019.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-020.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1444	R-001-S10 / FNAEGLER	
R2207182-020.02		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-020.03		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-021.01		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	

Internal Chain of Custody Report

Service Request: R2207182

Page 31 of 178

Internal Chain of Custody Report

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-021.11	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000110 / SMEDBURY	
R2207182-021.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-022.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1444	R-001-S10 / FNAEGLER	
R2207182-022.02		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-022.03		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-023.01	7470A	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-002 / GESMERIAN	
		8/10/2022	1331	In Lab / CDISTEFANO	
R2207182-023.02	SM 2320 B-1997(2011)	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1629	RT000168 / GESMERIAN	
		8/5/2022	1629	R-014 / GESMERIAN	
R2207182-023.03	6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010 C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-A01 / GESMERIAN	
		8/8/2022	1440	In Lab / CDISTEFANO	
		8/8/2022	1531	R-A01 / CDISTEFANO	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-023.06	7196A,300.0,300.0,SM 2540 C-2015,300.0,300.0	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1635	RT000571 / GESMERIAN	
		8/5/2022	1635	R-022 / GESMERIAN	
R2207182-023.07	SM 5310 B-2014,9066	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1623	R-015 / GESMERIAN	
		8/5/2022	1624	RT000781 / GESMERIAN	
		9/22/2022	0928	R-002 / GESMERIAN	
R2207182-023.08	Kelada-01	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1713	R-015 / ALUGO	
		8/4/2022	1714	RT000252 / ALUGO	
		9/21/2022	1804	R-002 / GESMERIAN	
R2207182-023.09	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1715	R-016 / ALUGO	
		8/4/2022	1716	RT000532 / ALUGO	
		8/31/2022	1714	R-002 / GESMERIAN	
R2207182-023.10	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000110 / SMEDBURY	
R2207182-023.11		8/4/2022	1513	SMO / GESMERIAN	
R2207182-023.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-024.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1444	R-001-S10 / FNAEGLER	
R2207182-024.02					

Internal Chain of Custody Report

Service Request: R2207182

[illegible]

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-025.09					
	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1715	R-016 / ALUGO	
		8/4/2022	1716	RT000532 / ALUGO	
		8/31/2022	1714	R-002 / GESMERIAN	
R2207182-025.10					
	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000110 / SMEDBURY	
R2207182-025.11					
		8/4/2022	1513	SMO / GESMERIAN	
R2207182-025.12					
	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-026.01					
	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1444	R-001-S10 / FNAEGLER	
R2207182-026.02					
		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-026.03					
		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-027.01					
	7470A	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-002 / GESMERIAN	
		8/10/2022	1332	In Lab / CDISTEFANO	
R2207182-027.02					
	SM 2320 B-1997(2011)	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1629	R-014 / GESMERIAN	
		8/5/2022	1630	RT000168 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-027.03					
	6010C,6010C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-A01 / GESMERIAN	
		8/8/2022	1440	In Lab / CDISTEFANO	
		8/8/2022	1531	R-A01 / CDISTEFANO	
R2207182-027.06					
	7196A,300.0,300.0,SM 2540 C-2015,300.0,300.0	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1635	RT000571 / GESMERIAN	
		8/5/2022	1635	R-022 / GESMERIAN	
R2207182-027.07					
	SM 5310 B-2014,9066	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1623	R-015 / GESMERIAN	
		8/5/2022	1624	RT000781 / GESMERIAN	
		9/22/2022	0928	R-002 / GESMERIAN	
R2207182-027.08					
	Kelada-01	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1713	R-015 / ALUGO	
		8/4/2022	1714	RT000252 / ALUGO	
		9/21/2022	1804	R-002 / GESMERIAN	
R2207182-027.09					
	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1715	R-016 / ALUGO	
		8/4/2022	1716	RT000532 / ALUGO	
		8/31/2022	1714	R-002 / GESMERIAN	
R2207182-027.10					
	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000110 / SMEDBURY	
R2207182-027.11					
		8/4/2022	1513	SMO / GESMERIAN	
R2207182-027.12					
	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	

Internal Chain of Custody Report

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-028.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1444	R-001-S10 / FNAEGLER	
R2207182-028.02		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-028.03		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-029.01	7470A	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-002 / GESMERIAN	
		8/10/2022	1339	In Lab / CDISTEFANO	
R2207182-029.02	SM 2320 B-1997(2011)	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1629	R-014 / GESMERIAN	
		8/5/2022	1630	RT000168 / GESMERIAN	
R2207182-029.03	6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010 C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1522	R-A01 / GESMERIAN	
		8/8/2022	1439	In Lab / CDISTEFANO	
		8/8/2022	1531	R-A01 / CDISTEFANO	
R2207182-029.06	7196A,300.0,300.0,SM 2540 C-2015,300.0,300.0	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1635	RT000571 / GESMERIAN	
		8/5/2022	1635	R-022 / GESMERIAN	
R2207182-029.07	SM 5310 B-2014,9066	8/4/2022	1513	SMO / GESMERIAN	
		8/5/2022	1623	R-015 / GESMERIAN	
		8/5/2022	1624	RT000781 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-029.08	SM 5310 B-2014,9066	9/22/2022	0928	R-002 / GESMERIAN	
	Kelada-01	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1713	R-015 / ALUGO	
		8/4/2022	1714	RT000252 / ALUGO	
		9/21/2022	1804	R-002 / GESMERIAN	
R2207182-029.09	410.4,350.1,351.2	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1715	R-016 / ALUGO	
		8/4/2022	1716	RT000532 / ALUGO	
		8/31/2022	1714	R-002 / GESMERIAN	
R2207182-029.10	SM 5210 B-2016	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	2204	R-002 / SMEDBURY	
		8/4/2022	2205	RT000110 / SMEDBURY	
R2207182-029.11		8/4/2022	1513	SMO / GESMERIAN	
R2207182-029.12	SM 2120 B-2001(2011)	8/4/2022	1513	SMO / GESMERIAN	
R2207182-029.13		8/4/2022	1522	SMO / GESMERIAN	
		8/4/2022	1522	R-002 / GESMERIAN	
R2207182-029.14		8/4/2022	1522	SMO / GESMERIAN	
		8/5/2022	1629	R-014 / GESMERIAN	
		8/5/2022	1630	RT000168 / GESMERIAN	
R2207182-029.15		8/4/2022	1522	SMO / GESMERIAN	
		8/4/2022	1522	R-A01 / GESMERIAN	
R2207182-029.16					

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-029.17		8/4/2022	1522	SMO / GESMERIAN	
		8/5/2022	1635	RT000571 / GESMERIAN	
		8/5/2022	1635	R-022 / GESMERIAN	
R2207182-029.18		8/4/2022	1522	SMO / GESMERIAN	
		8/5/2022	1623	R-015 / GESMERIAN	
		8/5/2022	1624	RT000781 / GESMERIAN	
		9/22/2022	0928	R-002 / GESMERIAN	
R2207182-029.19		8/4/2022	1522	SMO / GESMERIAN	
		8/4/2022	1713	R-015 / ALUGO	
		8/4/2022	1714	RT000252 / ALUGO	
		9/21/2022	1804	R-002 / GESMERIAN	
R2207182-029.20		8/4/2022	1522	SMO / GESMERIAN	
		8/4/2022	1715	R-016 / ALUGO	
		8/4/2022	1716	RT000532 / ALUGO	
		8/31/2022	1714	R-002 / GESMERIAN	
R2207182-029.20		8/4/2022	1522	SMO / GESMERIAN	
		8/4/2022	2204	RT000395 / SMEDBURY	
		8/4/2022	2204	R-002 / SMEDBURY	
R2207182-030.01	8260C	8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1444	R-001-S10 / FNAEGLER	
R2207182-030.02		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-030.03		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	

ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207182-030.04					
		8/4/2022	1523	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-030.05					
		8/4/2022	1523	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-030.06					
		8/4/2022	1523	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-031.01					
	8260C				
		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
		8/9/2022	1441	In Lab / FNAEGLER	
		8/9/2022	1443	R-001-S10 / FNAEGLER	
R2207182-031.02					
		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	
R2207182-031.03					
		8/4/2022	1513	SMO / GESMERIAN	
		8/4/2022	1523	R-001 / GESMERIAN	



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations¹



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

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

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

ALS Laboratory Group

Acronyms

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

ALS Group USA, Corp.
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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-23C
Lab Code: R2207182-001
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0	SMORGAN	SMORGAN
350.1		MROGERSON
351.2		MROGERSON
410.4		SMEDBURY
6010C	CDISTEFANO	KMCLAEN
7196A	KMCLAEN	SMEDBURY
7470A		KMCLAEN
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG
SM 5210 B-2016		SMEDBURY
SM 5310 B-2014		SMORGAN

Sample Name: MW-23C VOA
Lab Code: R2207182-002
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-4AA
Lab Code: R2207182-003
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0	SMORGAN	SMORGAN
350.1		MROGERSON
351.2		MROGERSON
410.4		SMEDBURY
6010C	CDISTEFANO	KMCLAEN

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-4AA
Lab Code: R2207182-003
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
7196A		SMEDBURY
7470A	KMCLAEN	KMCLAEN
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG
SM 5210 B-2016		SMEDBURY
SM 5310 B-2014		SMORGAN

Sample Name: MW-4AA VOA
Lab Code: R2207182-004
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-4B
Lab Code: R2207182-005
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	MROGERSON
410.4		SMEDBURY
6010C	CDISTEFANO	KMCLAEN
6010C	CDISTEFANO	BDIAMOND
7196A		SMEDBURY
7470A	KMCLAEN	KMCLAEN
9066		BBOWE
Kelada-01		CWOODS

ALS Group USA, Corp.

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-4B
Lab Code: R2207182-005
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method

SM 2120 B-2001(2011)
SM 2320 B-1997(2011)
SM 2540 C-2015
SM 5210 B-2016
SM 5310 B-2014

Extracted/Digested By**Analyzed By**

KWONG
KAWONG
KWONG
SMEDBURY
SMORGAN

Sample Name: MW-4B VOA
Lab Code: R2207182-006
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method

8260C

Extracted/Digested By**Analyzed By**

FNAEGLER

Sample Name: MW-4C
Lab Code: R2207182-007
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method

300.0
350.1
351.2
410.4
6010C
7196A
7470A
9066
Kelada-01
SM 2120 B-2001(2011)
SM 2320 B-1997(2011)
SM 2540 C-2015
SM 5210 B-2016
SM 5310 B-2014

Extracted/Digested By

SMORGAN

CDISTEFANO

KMCLAEN

Analyzed By

SMORGAN
MROGERSON
MROGERSON
SMEDBURY
KMCLAEN
SMEDBURY
KMCLAEN
BBOWE
CWOODS
KWONG
KAWONG
KWONG
SMEDBURY
SMORGAN

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-4C VOA
Lab Code: R2207182-008
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-23AA
Lab Code: R2207182-009
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method**Extracted/Digested By****Analyzed By**

300.0

SMORGAN

350.1

MROGERSON

351.2

SMORGAN

MROGERSON

410.4

SMEDBURY

6010C

CDISTEFANO

KMCLAEN

7196A

SMEDBURY

7470A

KMCLAEN

KMCLAEN

9066

BBOWE

Kelada-01

CWOODS

SM 2120 B-2001(2011)

KWONG

SM 2320 B-1997(2011)

KAWONG

SM 2540 C-2015

KWONG

SM 5210 B-2016

SMEDBURY

SM 5310 B-2014

SMORGAN

Sample Name: MW-23AA VOA
Lab Code: R2207182-010
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-24A
Lab Code: R2207182-011
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	MROGERSON
410.4		SMEDBURY
6010C	CDISTEFANO	BDIAMOND
6010C	CDISTEFANO	KMCLAEN
7196A		SMEDBURY
7470A	KMCLAEN	KMCLAEN
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG
SM 5210 B-2016		SMEDBURY
SM 5310 B-2014		SMORGAN

Sample Name: MW-24A VOA
Lab Code: R2207182-012
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-7AA
Lab Code: R2207182-013
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		SMEDBURY

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-7AA
Lab Code: R2207182-013
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	BDIAMOND
6010C	CDISTEFANO	KMCLAEN
7196A		SMEDBURY
7470A	KMCLAEN	KMCLAEN
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG
SM 5210 B-2016		SMEDBURY
SM 5310 B-2014		SMORGAN

Sample Name: MW-7AA VOA
Lab Code: R2207182-014
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-7BB
Lab Code: R2207182-015
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	KMCLAEN
6010C	CDISTEFANO	BDIAMOND
7196A		SMEDBURY
7470A	KMCLAEN	KMCLAEN

ALS Group USA, Corp.
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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-7BB
Lab Code: R2207182-015
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		SMEDBURY
SM 5310 B-2014		SMORGAN

Sample Name: MW-7BB VOA
Lab Code: R2207182-016
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-11B
Lab Code: R2207182-017
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	KMCLAEN
7196A		SMEDBURY
7470A	KMCLAEN	KMCLAEN
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-11B
Lab Code: R2207182-017
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method
SM 5210 B-2016
SM 5310 B-2014

Extracted/Digested By

Analyzed By
SMEDBURY
SMORGAN

Sample Name: MW-11B VOA
Lab Code: R2207182-018
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-11C
Lab Code: R2207182-019
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method
300.0
350.1
351.2
410.4
6010C
7196A
7470A
9066
Kelada-01
SM 2120 B-2001(2011)
SM 2320 B-1997(2011)
SM 2540 C-2015
SM 5210 B-2016
SM 5310 B-2014

Extracted/Digested By

Analyzed By
SMORGAN
MROGERSON
GNITAJOUPPI
GNITAJOUPPI
SMEDBURY
KMCLAEN
SMEDBURY
KMCLAEN
BBOWE
CWOODS
KWONG
KAWONG
KWONG
SMEDBURY
SMORGAN

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-1C VOA
Lab Code: R2207182-020
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-25A
Lab Code: R2207182-021
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method

Extracted/Digested By

Analyzed By
SMORGAN
MROGERSON
GNITAJOUPPI
GNITAJOUPPI
SMEDBURY
KMCLAEN
SMEDBURY
KMCLAEN
BBOWE
CWOODS
KWONG
KAWONG
KWONG
SMEDBURY
SMORGAN

300.0
350.1
351.2
410.4
6010C
7196A
7470A
9066
Kelada-01
SM 2120 B-2001(2011)
SM 2320 B-1997(2011)
SM 2540 C-2015
SM 5210 B-2016
SM 5310 B-2014

GNITAJOUPPI
CDISTEFANO

KMCLAEN

Sample Name: MW-25A VOA
Lab Code: R2207182-022
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-25CC
Lab Code: R2207182-023
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0	GNITAJOUPPI	SMORGAN
350.1		GNITAJOUPPI
351.2		GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	BDIAMOND
6010C	CDISTEFANO	KMCLAEN
7196A	KMCLAEN	SMEDBURY
7470A		KMCLAEN
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		SMEDBURY
SM 5310 B-2014		SMORGAN

Sample Name: MW-25CC VOA
Lab Code: R2207182-024
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-26A
Lab Code: R2207182-025
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0	GNITAJOUPPI	SMORGAN
350.1		GNITAJOUPPI
351.2		GNITAJOUPPI
410.4		SMEDBURY

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: MW-26A
Lab Code: R2207182-025
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	KMCLAEN
7196A	KMCLAEN	SMEDBURY
7470A		KMCLAEN
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG
SM 5210 B-2016		SMEDBURY
SM 5310 B-2014		SMORGAN

Sample Name: MW-26A VOA
Lab Code: R2207182-026
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: DUPE-X
Lab Code: R2207182-027
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0	GNITAJOUPPI	SMORGAN
350.1		GNITAJOUPPI
351.2		GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	KMCLAEN
7196A	KMCLAEN	SMEDBURY
7470A		KMCLAEN
9066		BBOWE
Kelada-01		CWOODS

ALS Group USA, Corp.

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207182

Sample Name: DUPE-X
Lab Code: R2207182-027
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 2120 B-2001(2011)		KWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG
SM 5210 B-2016		SMEDBURY
SM 5310 B-2014		SMORGAN

Sample Name: DUPE-X VOA
Lab Code: R2207182-028
Sample Matrix: Water

Date Collected: 08/2/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-26C
Lab Code: R2207182-029
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/3/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		GNITAJOUPPI
351.2	SMORGAN	GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	KMCLAEN
7196A		SMEDBURY
7470A	KMCLAEN	KMCLAEN
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		KWONG
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG
SM 5210 B-2016		SMEDBURY
SM 5310 B-2014		SMORGAN

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Analyst Summary report

Client: Barton & Loguidice, DPC**Service Request:** R2207182**Project:** Auburn Landfill #1 - Baseline/554.026.018**Sample Name:** MW-26C VOA**Date Collected:** 08/2/22**Lab Code:** R2207182-030**Date Received:** 08/3/22**Sample Matrix:** Water**Analysis Method****Extracted/Digested By****Analyzed By**

8260C

FNAEGLER

Sample Name: Trip Blank**Date Collected:** 08/2/22**Lab Code:** R2207182-031**Date Received:** 08/3/22**Sample Matrix:** Water**Analysis Method****Extracted/Digested By****Analyzed By**

8260C

FNAEGLER



INORGANIC PREPARATION METHODS

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

Water/Liquid Matrix

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

Solid/Soil/Non-Aqueous Matrix

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



Sample Results

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 10:18
Date Received: 08/03/22 17:10

Sample Name: MW-23C VOA
Lab Code: R2207182-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 16:30	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 16:30	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 16:30	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 16:30	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 16:30	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 16:30	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 16:30	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 16:30	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 16:30	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 16:30	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 16:30	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 16:30	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 16:30	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 16:30	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 16:30	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 16:30	
Acetone	5.0 U	5.0	5.0	1	08/09/22 16:30	
Acrylonitrile	10 U	10	0.90	1	08/09/22 16:30	
Benzene	1.0 U	1.0	0.20	1	08/09/22 16:30	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 16:30	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 16:30	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 16:30	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 16:30	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 16:30	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 16:30	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 16:30	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 16:30	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 16:30	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 16:30	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 16:30	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 16:30	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 16:30	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 16:30	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 16:30	
Styrene	1.0 U	1.0	0.20	1	08/09/22 16:30	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 16:30	
Toluene	1.0 U	1.0	0.20	1	08/09/22 16:30	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 16:30	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 16:30	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 16:30	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 16:30	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 16:30	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 16:30	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 10:18
Date Received: 08/03/22 17:10

Sample Name: MW-23C VOA
Lab Code: R2207182-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 16:30	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 16:30	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 16:30	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 16:30	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 16:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	08/09/22 16:30	
Dibromofluoromethane	106	80 - 116	08/09/22 16:30	
Toluene-d8	107	87 - 121	08/09/22 16:30	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 11:26
Date Received: 08/03/22 17:10

Sample Name: MW-4AA VOA
Lab Code: R2207182-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 16:52	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 16:52	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 16:52	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 16:52	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 16:52	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 16:52	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 16:52	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 16:52	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 16:52	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 16:52	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 16:52	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 16:52	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 16:52	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 16:52	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 16:52	
4-Methyl-2-pentanone	0.50 J	5.0	0.20	1	08/09/22 16:52	
Acetone	5.0 U	5.0	5.0	1	08/09/22 16:52	
Acrylonitrile	10 U	10	0.90	1	08/09/22 16:52	
Benzene	1.0 U	1.0	0.20	1	08/09/22 16:52	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 16:52	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 16:52	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 16:52	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 16:52	
Carbon Disulfide	0.58 J	1.0	0.42	1	08/09/22 16:52	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 16:52	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 16:52	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 16:52	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 16:52	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 16:52	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 16:52	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 16:52	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 16:52	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 16:52	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 16:52	
Styrene	1.0 U	1.0	0.20	1	08/09/22 16:52	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 16:52	
Toluene	1.0 U	1.0	0.20	1	08/09/22 16:52	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 16:52	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 16:52	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 16:52	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 16:52	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 16:52	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 16:52	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 11:26
Date Received: 08/03/22 17:10

Sample Name: MW-4AA VOA
Lab Code: R2207182-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 16:52	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 16:52	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 16:52	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 16:52	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 16:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	08/09/22 16:52	
Dibromofluoromethane	107	80 - 116	08/09/22 16:52	
Toluene-d8	105	87 - 121	08/09/22 16:52	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 11:36
Date Received: 08/03/22 17:10

Sample Name: MW-4B VOA
Lab Code: R2207182-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 17:14	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 17:14	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 17:14	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 17:14	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 17:14	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 17:14	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 17:14	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 17:14	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 17:14	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 17:14	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 17:14	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 17:14	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 17:14	
2-Butanone (MEK)	0.93 J	5.0	0.78	1	08/09/22 17:14	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 17:14	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 17:14	
Acetone	5.0 U	5.0	5.0	1	08/09/22 17:14	
Acrylonitrile	10 U	10	0.90	1	08/09/22 17:14	
Benzene	1.0 U	1.0	0.20	1	08/09/22 17:14	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 17:14	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 17:14	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 17:14	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 17:14	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 17:14	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 17:14	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 17:14	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 17:14	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 17:14	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 17:14	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 17:14	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 17:14	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 17:14	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 17:14	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 17:14	
Styrene	1.0 U	1.0	0.20	1	08/09/22 17:14	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 17:14	
Toluene	1.0 U	1.0	0.20	1	08/09/22 17:14	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 17:14	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 17:14	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 17:14	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 17:14	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 17:14	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 17:14	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 11:36
Date Received: 08/03/22 17:10

Sample Name: MW-4B VOA
Lab Code: R2207182-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 17:14	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 17:14	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 17:14	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 17:14	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 17:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	08/09/22 17:14	
Dibromofluoromethane	106	80 - 116	08/09/22 17:14	
Toluene-d8	104	87 - 121	08/09/22 17:14	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 11:33
Date Received: 08/03/22 17:10

Sample Name: MW-4C VOA
Lab Code: R2207182-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 17:36	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 17:36	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 17:36	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 17:36	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 17:36	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 17:36	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 17:36	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 17:36	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 17:36	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 17:36	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 17:36	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 17:36	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 17:36	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 17:36	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 17:36	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 17:36	
Acetone	5.0 U	5.0	5.0	1	08/09/22 17:36	
Acrylonitrile	10 U	10	0.90	1	08/09/22 17:36	
Benzene	1.0 U	1.0	0.20	1	08/09/22 17:36	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 17:36	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 17:36	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 17:36	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 17:36	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 17:36	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 17:36	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 17:36	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 17:36	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 17:36	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 17:36	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 17:36	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 17:36	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 17:36	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 17:36	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 17:36	
Styrene	1.0 U	1.0	0.20	1	08/09/22 17:36	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 17:36	
Toluene	1.0 U	1.0	0.20	1	08/09/22 17:36	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 17:36	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 17:36	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 17:36	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 17:36	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 17:36	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 17:36	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 11:33
Date Received: 08/03/22 17:10

Sample Name: MW-4C VOA
Lab Code: R2207182-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 17:36	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 17:36	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 17:36	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 17:36	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 17:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	08/09/22 17:36	
Dibromofluoromethane	106	80 - 116	08/09/22 17:36	
Toluene-d8	107	87 - 121	08/09/22 17:36	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 10:30
Date Received: 08/03/22 17:10

Sample Name: MW-23AA VOA
Lab Code: R2207182-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 17:58	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 17:58	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 17:58	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 17:58	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 17:58	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 17:58	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 17:58	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 17:58	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 17:58	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 17:58	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 17:58	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 17:58	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 17:58	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 17:58	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 17:58	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 17:58	
Acetone	5.0 U	5.0	5.0	1	08/09/22 17:58	
Acrylonitrile	10 U	10	0.90	1	08/09/22 17:58	
Benzene	1.0 U	1.0	0.20	1	08/09/22 17:58	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 17:58	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 17:58	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 17:58	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 17:58	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 17:58	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 17:58	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 17:58	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 17:58	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 17:58	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 17:58	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 17:58	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 17:58	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 17:58	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 17:58	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 17:58	
Styrene	1.0 U	1.0	0.20	1	08/09/22 17:58	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 17:58	
Toluene	1.0 U	1.0	0.20	1	08/09/22 17:58	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 17:58	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 17:58	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 17:58	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 17:58	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 17:58	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 17:58	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 10:30
Date Received: 08/03/22 17:10

Sample Name: MW-23AA VOA
Lab Code: R2207182-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 17:58	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 17:58	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 17:58	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 17:58	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 17:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	08/09/22 17:58	
Dibromofluoromethane	106	80 - 116	08/09/22 17:58	
Toluene-d8	105	87 - 121	08/09/22 17:58	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 13:51
Date Received: 08/03/22 17:10

Sample Name: MW-24A VOA
Lab Code: R2207182-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 18:20	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 18:20	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 18:20	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 18:20	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 18:20	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 18:20	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 18:20	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 18:20	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 18:20	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 18:20	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 18:20	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 18:20	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 18:20	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 18:20	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 18:20	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 18:20	
Acetone	5.0 U	5.0	5.0	1	08/09/22 18:20	
Acrylonitrile	10 U	10	0.90	1	08/09/22 18:20	
Benzene	1.0 U	1.0	0.20	1	08/09/22 18:20	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 18:20	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 18:20	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 18:20	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 18:20	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 18:20	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 18:20	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 18:20	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 18:20	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 18:20	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 18:20	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 18:20	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 18:20	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 18:20	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 18:20	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 18:20	
Styrene	1.0 U	1.0	0.20	1	08/09/22 18:20	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 18:20	
Toluene	1.0 U	1.0	0.20	1	08/09/22 18:20	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 18:20	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 18:20	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 18:20	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 18:20	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 18:20	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 18:20	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 13:51
Date Received: 08/03/22 17:10

Sample Name: MW-24A VOA
Lab Code: R2207182-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 18:20	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 18:20	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 18:20	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 18:20	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 18:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	08/09/22 18:20	
Dibromofluoromethane	106	80 - 116	08/09/22 18:20	
Toluene-d8	104	87 - 121	08/09/22 18:20	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 15:37
Date Received: 08/03/22 17:10

Sample Name: MW-7AA VOA
Lab Code: R2207182-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 18:41	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 18:41	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 18:41	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 18:41	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 18:41	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 18:41	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 18:41	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 18:41	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 18:41	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 18:41	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 18:41	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 18:41	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 18:41	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 18:41	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 18:41	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 18:41	
Acetone	5.0 U	5.0	5.0	1	08/09/22 18:41	
Acrylonitrile	10 U	10	0.90	1	08/09/22 18:41	
Benzene	1.0 U	1.0	0.20	1	08/09/22 18:41	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 18:41	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 18:41	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 18:41	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 18:41	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 18:41	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 18:41	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 18:41	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 18:41	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 18:41	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 18:41	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 18:41	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 18:41	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 18:41	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 18:41	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 18:41	
Styrene	1.0 U	1.0	0.20	1	08/09/22 18:41	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 18:41	
Toluene	1.0 U	1.0	0.20	1	08/09/22 18:41	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 18:41	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 18:41	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 18:41	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 18:41	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 18:41	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 18:41	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 15:37
Date Received: 08/03/22 17:10

Sample Name: MW-7AA VOA
Lab Code: R2207182-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 18:41	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 18:41	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 18:41	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 18:41	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 18:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	08/09/22 18:41	
Dibromofluoromethane	103	80 - 116	08/09/22 18:41	
Toluene-d8	106	87 - 121	08/09/22 18:41	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 15:35
Date Received: 08/03/22 17:10

Sample Name: MW-7BB VOA
Lab Code: R2207182-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 19:03	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 19:03	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 19:03	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 19:03	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 19:03	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 19:03	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 19:03	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 19:03	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 19:03	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 19:03	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 19:03	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 19:03	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 19:03	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 19:03	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 19:03	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 19:03	
Acetone	5.0 U	5.0	5.0	1	08/09/22 19:03	
Acrylonitrile	10 U	10	0.90	1	08/09/22 19:03	
Benzene	1.0 U	1.0	0.20	1	08/09/22 19:03	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 19:03	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 19:03	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 19:03	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 19:03	
Carbon Disulfide	0.47 J	1.0	0.42	1	08/09/22 19:03	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 19:03	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 19:03	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 19:03	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 19:03	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 19:03	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 19:03	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 19:03	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 19:03	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 19:03	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 19:03	
Styrene	1.0 U	1.0	0.20	1	08/09/22 19:03	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 19:03	
Toluene	1.0 U	1.0	0.20	1	08/09/22 19:03	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 19:03	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 19:03	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 19:03	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 19:03	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 19:03	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 19:03	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 15:35
Date Received: 08/03/22 17:10

Sample Name: MW-7BB VOA
Lab Code: R2207182-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 19:03	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 19:03	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 19:03	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 19:03	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 19:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	08/09/22 19:03	
Dibromofluoromethane	105	80 - 116	08/09/22 19:03	
Toluene-d8	106	87 - 121	08/09/22 19:03	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 12:38
Date Received: 08/03/22 17:10

Sample Name: MW-11B VOA
Lab Code: R2207182-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 19:25	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 19:25	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 19:25	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 19:25	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 19:25	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 19:25	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 19:25	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 19:25	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 19:25	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 19:25	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 19:25	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 19:25	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 19:25	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 19:25	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 19:25	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 19:25	
Acetone	5.0 U	5.0	5.0	1	08/09/22 19:25	
Acrylonitrile	10 U	10	0.90	1	08/09/22 19:25	
Benzene	1.0 U	1.0	0.20	1	08/09/22 19:25	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 19:25	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 19:25	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 19:25	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 19:25	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 19:25	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 19:25	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 19:25	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 19:25	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 19:25	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 19:25	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 19:25	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 19:25	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 19:25	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 19:25	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 19:25	
Styrene	1.0 U	1.0	0.20	1	08/09/22 19:25	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 19:25	
Toluene	1.0 U	1.0	0.20	1	08/09/22 19:25	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 19:25	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 19:25	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 19:25	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 19:25	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 19:25	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 19:25	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 12:38
Date Received: 08/03/22 17:10

Sample Name: MW-11B VOA
Lab Code: R2207182-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 19:25	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 19:25	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 19:25	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 19:25	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 19:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	08/09/22 19:25	
Dibromofluoromethane	107	80 - 116	08/09/22 19:25	
Toluene-d8	106	87 - 121	08/09/22 19:25	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 12:22
Date Received: 08/03/22 17:10

Sample Name: MW-1C VOA
Lab Code: R2207182-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 19:47	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 19:47	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 19:47	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 19:47	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 19:47	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 19:47	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 19:47	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 19:47	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 19:47	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 19:47	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 19:47	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 19:47	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 19:47	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 19:47	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 19:47	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 19:47	
Acetone	5.0 U	5.0	5.0	1	08/09/22 19:47	
Acrylonitrile	10 U	10	0.90	1	08/09/22 19:47	
Benzene	1.0 U	1.0	0.20	1	08/09/22 19:47	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 19:47	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 19:47	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 19:47	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 19:47	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 19:47	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 19:47	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 19:47	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 19:47	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 19:47	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 19:47	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 19:47	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 19:47	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 19:47	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 19:47	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 19:47	
Styrene	1.0 U	1.0	0.20	1	08/09/22 19:47	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 19:47	
Toluene	1.0 U	1.0	0.20	1	08/09/22 19:47	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 19:47	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 19:47	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 19:47	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 19:47	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 19:47	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 19:47	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 12:22
Date Received: 08/03/22 17:10

Sample Name: MW-1C VOA
Lab Code: R2207182-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 19:47	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 19:47	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 19:47	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 19:47	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 19:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	08/09/22 19:47	
Dibromofluoromethane	108	80 - 116	08/09/22 19:47	
Toluene-d8	108	87 - 121	08/09/22 19:47	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 14:30
Date Received: 08/03/22 17:10

Sample Name: MW-25A VOA
Lab Code: R2207182-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 20:09	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 20:09	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 20:09	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 20:09	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 20:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 20:09	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 20:09	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 20:09	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 20:09	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 20:09	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 20:09	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 20:09	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 20:09	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 20:09	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 20:09	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 20:09	
Acetone	5.0 U	5.0	5.0	1	08/09/22 20:09	
Acrylonitrile	10 U	10	0.90	1	08/09/22 20:09	
Benzene	1.0 U	1.0	0.20	1	08/09/22 20:09	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 20:09	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 20:09	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 20:09	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 20:09	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 20:09	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 20:09	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 20:09	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 20:09	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 20:09	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 20:09	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 20:09	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 20:09	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 20:09	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 20:09	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 20:09	
Styrene	1.0 U	1.0	0.20	1	08/09/22 20:09	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 20:09	
Toluene	1.0 U	1.0	0.20	1	08/09/22 20:09	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 20:09	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 20:09	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 20:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 20:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 20:09	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 20:09	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 14:30
Date Received: 08/03/22 17:10

Sample Name: MW-25A VOA
Lab Code: R2207182-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 20:09	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 20:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 20:09	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 20:09	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 20:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	08/09/22 20:09	
Dibromofluoromethane	104	80 - 116	08/09/22 20:09	
Toluene-d8	106	87 - 121	08/09/22 20:09	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 14:23
Date Received: 08/03/22 17:10

Sample Name: MW-25CC VOA
Lab Code: R2207182-024

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 20:31	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 20:31	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 20:31	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 20:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 20:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 20:31	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 20:31	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 20:31	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 20:31	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 20:31	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 20:31	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 20:31	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 20:31	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 20:31	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 20:31	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 20:31	
Acetone	5.0 U	5.0	5.0	1	08/09/22 20:31	
Acrylonitrile	10 U	10	0.90	1	08/09/22 20:31	
Benzene	1.0 U	1.0	0.20	1	08/09/22 20:31	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 20:31	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 20:31	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 20:31	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 20:31	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 20:31	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 20:31	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 20:31	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 20:31	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 20:31	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 20:31	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 20:31	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 20:31	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 20:31	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 20:31	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 20:31	
Styrene	1.0 U	1.0	0.20	1	08/09/22 20:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 20:31	
Toluene	1.0 U	1.0	0.20	1	08/09/22 20:31	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 20:31	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 20:31	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 20:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 20:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 20:31	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 20:31	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 14:23
Date Received: 08/03/22 17:10

Sample Name: MW-25CC VOA
Lab Code: R2207182-024

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 20:31	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 20:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 20:31	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 20:31	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 20:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	08/09/22 20:31	
Dibromofluoromethane	106	80 - 116	08/09/22 20:31	
Toluene-d8	106	87 - 121	08/09/22 20:31	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 15:12
Date Received: 08/03/22 17:10

Sample Name: MW-26A VOA
Lab Code: R2207182-026

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 20:52	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 20:52	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 20:52	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 20:52	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 20:52	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 20:52	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 20:52	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 20:52	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 20:52	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 20:52	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 20:52	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 20:52	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 20:52	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 20:52	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 20:52	
4-Methyl-2-pentanone	0.87 J	5.0	0.20	1	08/09/22 20:52	
Acetone	5.0 U	5.0	5.0	1	08/09/22 20:52	
Acrylonitrile	10 U	10	0.90	1	08/09/22 20:52	
Benzene	1.0 U	1.0	0.20	1	08/09/22 20:52	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 20:52	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 20:52	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 20:52	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 20:52	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 20:52	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 20:52	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 20:52	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 20:52	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 20:52	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 20:52	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 20:52	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 20:52	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 20:52	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 20:52	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 20:52	
Styrene	1.0 U	1.0	0.20	1	08/09/22 20:52	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 20:52	
Toluene	1.0 U	1.0	0.20	1	08/09/22 20:52	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 20:52	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 20:52	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 20:52	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 20:52	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 20:52	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 20:52	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 15:12
Date Received: 08/03/22 17:10

Sample Name: MW-26A VOA
Lab Code: R2207182-026

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 20:52	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 20:52	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 20:52	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 20:52	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 20:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	08/09/22 20:52	
Dibromofluoromethane	106	80 - 116	08/09/22 20:52	
Toluene-d8	105	87 - 121	08/09/22 20:52	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22
Date Received: 08/03/22 17:10

Sample Name: DUPE-X VOA
Lab Code: R2207182-028

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 21:14	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 21:14	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 21:14	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 21:14	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 21:14	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 21:14	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 21:14	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 21:14	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 21:14	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 21:14	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 21:14	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 21:14	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 21:14	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 21:14	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 21:14	
4-Methyl-2-pentanone	0.90 J	5.0	0.20	1	08/09/22 21:14	
Acetone	5.0 U	5.0	5.0	1	08/09/22 21:14	
Acrylonitrile	10 U	10	0.90	1	08/09/22 21:14	
Benzene	1.0 U	1.0	0.20	1	08/09/22 21:14	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 21:14	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 21:14	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 21:14	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 21:14	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 21:14	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 21:14	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 21:14	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 21:14	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 21:14	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 21:14	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 21:14	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 21:14	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 21:14	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 21:14	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 21:14	
Styrene	1.0 U	1.0	0.20	1	08/09/22 21:14	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 21:14	
Toluene	1.0 U	1.0	0.20	1	08/09/22 21:14	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 21:14	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 21:14	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 21:14	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 21:14	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 21:14	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 21:14	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22
Date Received: 08/03/22 17:10

Sample Name: DUPE-X VOA
Lab Code: R2207182-028

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 21:14	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 21:14	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 21:14	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 21:14	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 21:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	08/09/22 21:14	
Dibromofluoromethane	103	80 - 116	08/09/22 21:14	
Toluene-d8	106	87 - 121	08/09/22 21:14	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 15:25
Date Received: 08/03/22 17:10

Sample Name: MW-26C VOA
Lab Code: R2207182-030

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 21:36	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 21:36	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 21:36	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 21:36	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 21:36	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 21:36	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 21:36	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 21:36	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 21:36	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 21:36	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 21:36	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 21:36	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 21:36	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 21:36	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 21:36	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 21:36	
Acetone	5.0 U	5.0	5.0	1	08/09/22 21:36	
Acrylonitrile	10 U	10	0.90	1	08/09/22 21:36	
Benzene	1.0 U	1.0	0.20	1	08/09/22 21:36	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 21:36	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 21:36	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 21:36	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 21:36	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 21:36	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 21:36	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 21:36	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 21:36	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 21:36	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 21:36	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 21:36	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 21:36	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 21:36	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 21:36	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 21:36	
Styrene	1.0 U	1.0	0.20	1	08/09/22 21:36	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 21:36	
Toluene	1.0 U	1.0	0.20	1	08/09/22 21:36	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 21:36	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 21:36	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 21:36	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 21:36	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 21:36	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 21:36	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22 15:25
Date Received: 08/03/22 17:10

Sample Name: MW-26C VOA
Lab Code: R2207182-030

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 21:36	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 21:36	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 21:36	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 21:36	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 21:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	08/09/22 21:36	
Dibromofluoromethane	111	80 - 116	08/09/22 21:36	
Toluene-d8	107	87 - 121	08/09/22 21:36	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22
Date Received: 08/03/22 17:10

Sample Name: Trip Blank
Lab Code: R2207182-031

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 16:08	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 16:08	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 16:08	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 16:08	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 16:08	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 16:08	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 16:08	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 16:08	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 16:08	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 16:08	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 16:08	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 16:08	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 16:08	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 16:08	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 16:08	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 16:08	
Acetone	5.0 U	5.0	5.0	1	08/09/22 16:08	
Acrylonitrile	10 U	10	0.90	1	08/09/22 16:08	
Benzene	1.0 U	1.0	0.20	1	08/09/22 16:08	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 16:08	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 16:08	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 16:08	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 16:08	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 16:08	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 16:08	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 16:08	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 16:08	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 16:08	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 16:08	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 16:08	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 16:08	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 16:08	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 16:08	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 16:08	
Styrene	1.0 U	1.0	0.20	1	08/09/22 16:08	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 16:08	
Toluene	1.0 U	1.0	0.20	1	08/09/22 16:08	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 16:08	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 16:08	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 16:08	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 16:08	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 16:08	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 16:08	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22
Date Received: 08/03/22 17:10

Sample Name: Trip Blank
Lab Code: R2207182-031

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 16:08	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 16:08	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 16:08	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 16:08	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 16:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	08/09/22 16:08	
Dibromofluoromethane	104	80 - 116	08/09/22 16:08	
Toluene-d8	103	87 - 121	08/09/22 16:08	



Metals

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Form 1

Inorganic Analysis Data Sheet

Metals by EPA 6010C Mercury by EPA 7470A

Workorder
R2207182

Client
Barton & Loguidice, PC

Project
Auburn Landfill #1 - Baseline

09/19/2022

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-001				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-23C				08/03/22 0905	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:29	RCVAA02_773886		08/10/22
Aluminum, Total	P	950		30	100	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	38		3	20	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	150	J	20	200	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	275000		3000	10000	10	08/11/22 20:07	RPAES06_773793	6AUG11	08/08/22
Chromium, Total	P	11		2	10	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	5	J	4	20	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	4320		70	100	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	75600		30	1000	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	41		4	10	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	7	J	3	40	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	8500		400	2000	1	08/11/22 18:44	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	44400		200	1000	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	10	U	7	10	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	50	U	0.7	50	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	36		3	20	1	08/09/22 21:53	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-003				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-4AA				08/03/22 0933	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:39	RCVAA02_773886		08/10/22
Aluminum, Total	P	120		30	100	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	162		3	20	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	200	U	20	200	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	150000		300	1000	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	4	J	2	10	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	2	J	0.9	50	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	1460		70	100	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	7	J	3	50	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	43500		30	1000	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	350		4	10	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	4	J	3	40	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	12200		400	2000	1	08/11/22 18:47	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	4900		200	1000	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	10	U	7	10	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	2	J	0.7	50	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	6	J	3	20	1	08/09/22 21:57	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-005				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-4B				08/03/22 0940	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:41	RCVAA02_773886		08/10/22
Aluminum, Total	P	510		30	100	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	48		3	20	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	70	J	20	200	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	74400		300	1000	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	590		70	100	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	40500		30	1000	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	22		4	10	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	40	U	3	40	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	3100		400	2000	1	08/11/22 18:50	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	68100		200	1000	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	10	U	7	10	1	08/15/22 18:32	RPAES06_774159	6AUG15	08/08/22
Vanadium, Total	P	50	U	0.7	50	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	5	J	3	20	1	08/09/22 22:00	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-007				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-4C				08/03/22 0955	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:43	RCVAA02_773886		08/10/22
Aluminum, Total	P	390		30	100	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	22		3	20	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	260		20	200	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	173000		300	1000	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	7	J	2	10	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	350		70	100	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	81000		30	1000	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	14		4	10	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	5	J	3	40	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	3200		400	2000	1	08/11/22 18:53	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	48000		200	1000	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	7	J	7	10	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	50	U	0.7	50	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	4	J	3	20	1	08/09/22 22:03	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-009				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-23AA				08/03/22 0915	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:45	RCVAA02_773886		08/10/22
Aluminum, Total	P	460		30	100	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	226		3	20	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	30	J	20	200	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	101000		300	1000	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	520		70	100	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	51100		30	1000	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	28		4	10	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	40	U	3	40	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	2800		400	2000	1	08/11/22 19:03	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	61100		200	1000	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	8	J	7	10	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	50	U	0.7	50	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	9	J	3	20	1	08/09/22 22:13	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-011				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-24A				08/03/22 1125	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:47	RCVAA02_773886		08/10/22
Aluminum, Total	P	60	J	30	100	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	13	J	3	20	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	120	J	20	200	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	124000		300	1000	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	440		70	100	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	82300		30	1000	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	34		4	10	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	40	U	3	40	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	3600		400	2000	1	08/11/22 19:06	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	23300		200	1000	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	10	U	7	10	1	08/15/22 18:41	RPAES06_774159	6AUG15	08/08/22
Vanadium, Total	P	50	U	0.7	50	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	7	J	3	20	1	08/09/22 22:16	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-013				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-7AA				08/03/22 1255	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:49	RCVAA02_773886		08/10/22
Aluminum, Total	P	100	U	30	100	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	78		3	20	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	90	J	20	200	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	195000		300	1000	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	350		70	100	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	158000		30	1000	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	133		4	10	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	7	J	3	40	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	3700		400	2000	1	08/11/22 19:09	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	285000		2000	10000	10	08/11/22 20:17	RPAES06_773793	6AUG11	08/08/22
Thallium, Total	P	8	J	7	10	1	08/15/22 18:44	RPAES06_774159	6AUG15	08/08/22
Vanadium, Total	P	50	U	0.7	50	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	5	J	3	20	1	08/09/22 22:19	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-015				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-7BB				08/03/22 1303	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:51	RCVAA02_773886		08/10/22
Aluminum, Total	P	570		30	100	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	12	J	3	20	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	820		20	200	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	561000		3000	10000	10	08/11/22 20:20	RPAES06_773793	6AUG11	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	880		70	100	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	158000		30	1000	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	53		4	10	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	40	U	3	40	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	3200		400	2000	1	08/11/22 19:12	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	18900		200	1000	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	12		7	10	1	08/15/22 18:47	RPAES06_774159	6AUG15	08/08/22
Vanadium, Total	P	0.7	J	0.7	50	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	5	J	3	20	1	08/09/22 22:23	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-017				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-11B				08/03/22 1058	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:53	RCVAA02_773886		08/10/22
Aluminum, Total	P	690		30	100	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	24		3	20	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	240		20	200	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	81600		300	1000	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	4	J	2	10	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	8	J	4	20	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	660		70	100	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	33000		30	1000	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	17		4	10	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	40	U	3	40	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	5100		400	2000	1	08/11/22 19:15	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	32700		200	1000	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	8	J	7	10	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	1	J	0.7	50	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	10	J	3	20	1	08/09/22 22:26	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-019				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-11C				08/03/22 1047	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:55	RCVAA02_773886		08/10/22
Aluminum, Total	P	210		30	100	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	15	J	3	20	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	260		20	200	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	228000		300	1000	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	210		70	100	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	80100		30	1000	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	12		4	10	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	40	U	3	40	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	3200		400	2000	1	08/11/22 19:18	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	35800		200	1000	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	9	J	7	10	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	50	U	0.7	50	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	20	U	3	20	1	08/09/22 22:29	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-021				Collected	Received	Matrix / Units	Prep Method	Prep Amount	
MW-25A				08/03/22 1155	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL	
Analyte	MC	Result Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.71	0.08	0.20	1	08/12/22 13:01	RCVAA02_773886		08/10/22
Aluminum, Total	P	280	30	100	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60 U	7	60	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10 U	6	10	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	18 J	3	20	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0 U	0.2	3.0	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	160 J	20	200	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0 U	0.4	5.0	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	139000	300	1000	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	10 U	2	10	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	1 J	0.9	50	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20 U	4	20	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	350	70	100	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50 U	3	50	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	83000	30	1000	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	45	4	10	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	40 U	3	40	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	3100	400	2000	1	08/11/22 19:21	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10 U	7	10	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10 U	0.6	10	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	31600	200	1000	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	9 J	7	10	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	50 U	0.7	50	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	9 J	3	20	1	08/09/22 22:32	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-023				Collected	Received	Matrix / Units		Prep Method	Prep Amount	
MW-25CC				08/03/22 1145	08/03/22 1710	Water ug/L		3010A, 7470A	Initial 25mL Final 25mL	
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 13:03	RCVAA02_773886		08/10/22
Aluminum, Total	P	250		30	100	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	14	J	3	20	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	360		20	200	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	505000		3000	10000	10	08/11/22 20:23	RPAES06_773793	6AUG11	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	300		70	100	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	112000		30	1000	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	88		4	10	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	7	J	3	40	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	4700		400	2000	1	08/11/22 19:24	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	105000		200	1000	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	16		7	10	1	08/15/22 18:54	RPAES06_774159	6AUG15	08/08/22
Vanadium, Total	P	2	J	0.7	50	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	17	J	3	20	1	08/09/22 22:36	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-025				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-26A				08/03/22 1230	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 13:05	RCVAA02_773886		08/10/22
Aluminum, Total	P	280		30	100	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	8	J	7	60	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	154		3	20	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	50	J	20	200	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	131000		300	1000	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	240		70	100	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	50300		30	1000	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	74		4	10	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	3	J	3	40	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	2300		400	2000	1	08/11/22 19:27	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	92100		200	1000	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	10	U	7	10	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	2	J	0.7	50	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	7	J	3	20	1	08/09/22 22:39	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-027				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
DUPE-X					08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.68		0.08	0.20	1	08/12/22 13:07	RCVAA02_773886		08/10/22
Aluminum, Total	P	330		30	100	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	153		3	20	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	50	J	20	200	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	129000		300	1000	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	270		70	100	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	49700		30	1000	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	73		4	10	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	40	U	3	40	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	2300		400	2000	1	08/11/22 19:30	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	91100		200	1000	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	10	U	7	10	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	2	J	0.7	50	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	6	J	3	20	1	08/09/22 22:42	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-029				Collected	Received	Matrix / Units	Prep Method	Prep Amount		
MW-26C				08/03/22 1222	08/03/22 1710	Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.11	J	0.08	0.20	1	08/12/22 14:06	RCVAA02_773887		08/10/22
Aluminum, Total	P	1480		30	100	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	7	J	6	10	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	14	J	3	20	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	190	J	20	200	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	517000		3000	10000	10	08/11/22 20:26	RPAES06_773793	6AUG11	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	1660		70	100	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	85600		30	1000	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	82		4	10	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	40	U	3	40	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	2900		400	2000	1	08/11/22 19:40	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	17900		200	1000	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	20		7	10	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	1	J	0.7	50	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	7	J	3	20	1	08/09/22 22:52	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C, Mercury by EPA 7470A

R2207182-MB1						Matrix / Units	Prep Method	Prep Amount		
Method Blank						Water ug/L	3010A, 7470A	Initial 25mL Final 25mL		
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 12:13	RCVAA02_773886		08/10/22
Aluminum, Total	P	100	U	30	100	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Antimony, Total	P	60	U	7	60	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Arsenic, Total	P	10	U	6	10	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Barium, Total	P	20	U	3	20	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Boron, Total	P	200	U	20	200	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Calcium, Total	P	1000	U	300	1000	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Chromium, Total	P	10	U	2	10	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Cobalt, Total	P	50	U	0.9	50	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Copper, Total	P	20	U	4	20	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Iron, Total	P	100	U	70	100	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Lead, Total	P	50	U	3	50	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Magnesium, Total	P	1000	U	30	1000	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Manganese, Total	P	10	U	4	10	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Nickel, Total	P	40	U	3	40	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Potassium, Total	P	2000	U	400	2000	1	08/11/22 18:25	RPAES06_773793	6AUG11	08/08/22
Selenium, Total	P	10	U	7	10	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Silver, Total	P	10	U	0.6	10	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Sodium, Total	P	1000	U	200	1000	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Thallium, Total	P	10	U	7	10	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Vanadium, Total	P	50	U	0.7	50	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22
Zinc, Total	P	20	U	3	20	1	08/09/22 21:34	RPAES06_773708	6AUG09	08/08/22



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Mercury by EPA 7470A

R2207182-MB2						Matrix / Units		Prep Method	Prep Amount	
Method Blank						Water ug/L		7470A	Initial 25mL Final 25mL	
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	DataFile	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/12/22 15:35	RCVAA02_773887		08/10/22



General Chemistry

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: MW-23C
Lab Code: R2207182-001

Service Request: R2207182
Date Collected: 08/03/22 09:05
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	28.0	mg/L	2.0	1	08/09/22 11:06	NA	
Ammonia as Nitrogen, undistilled	350.1	0.351	mg/L	0.050	1	08/05/22 22:40	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 14:05	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:12	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	3.2	mg/L	1.0	1	08/09/22 23:21	NA	
Chemical Oxygen Demand, Total	410.4	10.1	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	18.4	mg/L	2.0	10	08/04/22 09:12	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 18:55	NA	
Color	SM 2120 B-2001(2011)	13.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 21:49	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	997	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:12	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.17	mg/L	0.20	1	08/19/22 18:19	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	9.84	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 21:46	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1370	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	958	mg/L	20	100	08/12/22 14:29	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-4AA
Lab Code: R2207182-003

Service Request: R2207182
Date Collected: 08/03/22 09:33
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	574	mg/L	2.0	1	08/09/22 11:15	NA	
Ammonia as Nitrogen, undistilled	350.1	0.868	mg/L	0.050	1	08/05/22 22:41	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 08:25	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:18	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	7.3	mg/L	1.0	1	08/09/22 23:07	NA	
Chemical Oxygen Demand, Total	410.4	8.0	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	2.7	mg/L	2.0	10	08/04/22 09:18	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 18:56	NA	
Color	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 21:53	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	555	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:18	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	1.46	mg/L	0.20	1	08/19/22 18:19	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.01	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 21:58	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	636	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	63.1	mg/L	2.0	10	08/04/22 09:18	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-4B
Lab Code: R2207182-005

Service Request: R2207182
Date Collected: 08/03/22 09:40
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	376	mg/L	2.0	1	08/09/22 11:36	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/05/22 22:42	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 08:22	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:24	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.8	mg/L	1.0	1	08/09/22 22:38	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	9.6	mg/L	2.0	10	08/04/22 09:24	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 18:58	NA	
Color	SM 2120 B-2001(2011)	2.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 21:57	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	352	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:24	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/19/22 18:20	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.58	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:02	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	639	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	172	mg/L	6.0	30	08/12/22 14:36	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-4C
Lab Code: R2207182-007

Service Request: R2207182
Date Collected: 08/03/22 09:55
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	110	mg/L	2.0	1	08/09/22 11:50	NA	
Ammonia as Nitrogen, undistilled	350.1	1.07	mg/L	0.25	5	08/05/22 23:54	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	4.8	mg/L	2.0	1	08/04/22 08:20	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:43	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.0	mg/L	1.0	1	08/09/22 22:28	NA	
Chemical Oxygen Demand, Total	410.4	10.1	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	4.9	mg/L	2.0	10	08/04/22 09:43	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 18:59	NA	
Color	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 22:25	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	765	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	10.1	mg/L	0.40	2	08/19/22 18:31	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.96	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:06	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1340	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	817	mg/L	20	100	08/12/22 15:01	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-23AA
Lab Code: R2207182-009

Service Request: R2207182
Date Collected: 08/03/22 09:15
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	402	mg/L	2.0	1	08/09/22 11:58	NA	
Ammonia as Nitrogen, undistilled	350.1	0.162	mg/L	0.050	1	08/05/22 22:44	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 13:57	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:49	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	5.7	mg/L	1.0	1	08/09/22 22:47	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	124	mg/L	6.0	30	08/12/22 15:07	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:00	NA	
Color	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 22:29	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	462	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:49	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.46	mg/L	0.20	1	08/19/22 18:22	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.32	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:26	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	644	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	45.4	mg/L	2.0	10	08/04/22 09:49	NA	

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dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-24A
Lab Code: R2207182-011

Service Request: R2207182
Date Collected: 08/03/22 11:25
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	414	mg/L	2.0	1	08/09/22 12:06	NA	
Ammonia as Nitrogen, undistilled	350.1	0.052	mg/L	0.050	1	08/05/22 22:45	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 13:59	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:56	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	4.3	mg/L	1.0	1	08/10/22 00:42	NA	
Chemical Oxygen Demand, Total	410.4	5.2	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	9.1	mg/L	2.0	10	08/04/22 09:56	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:00	NA	
Color	SM 2120 B-2001(2011)	2.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 22:33	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	649	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 09:56	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/19/22 18:23	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.30	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:30	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	927	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	304	mg/L	8.0	40	08/12/22 15:26	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-7AA
Lab Code: R2207182-013

Service Request: R2207182
Date Collected: 08/03/22 12:55
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	536	mg/L	2.0	1	08/09/22 12:14	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/05/22 22:46	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 13:58	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:02	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	6.3	mg/L	1.0	1	08/10/22 00:51	NA	
Chemical Oxygen Demand, Total	410.4	12.8	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	735	mg/L	20	100	08/08/22 23:29	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:01	NA	
Color	SM 2120 B-2001(2011)	2.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 22:37	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1140	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:02	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/16/22 12:47	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.12	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:34	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1910	mg/L	14	1	08/09/22 10:15	NA	
Sulfate	300.0	141	mg/L	20	100	08/08/22 23:29	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-7BB
Lab Code: R2207182-015

Service Request: R2207182
Date Collected: 08/03/22 13:03
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	237	mg/L	2.0	1	08/09/22 12:21	NA	
Ammonia as Nitrogen, undistilled	350.1	0.316	mg/L	0.050	1	08/05/22 22:47	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 13:58	NA	
Bromide	300.0	1.0	mg/L	1.0	10	08/04/22 10:21	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.6	mg/L	1.0	1	08/09/22 20:30	NA	
Chemical Oxygen Demand, Total	410.4	6.6	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	27.2	mg/L	2.0	10	08/04/22 10:21	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:01	NA	
Color	SM 2120 B-2001(2011)	2.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 22:41	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	2050	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:21	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.45	mg/L	0.20	1	08/16/22 12:48	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.11	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:38	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2800	mg/L	33	1	08/10/22 16:10	NA	
Sulfate	300.0	1650	mg/L	40	200	08/09/22 21:42	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: MW-11B
Lab Code: R2207182-017

Service Request: R2207182
Date Collected: 08/03/22 10:58
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	203	mg/L	2.0	1	08/09/22 12:27	NA	
Ammonia as Nitrogen, undistilled	350.1	0.175	mg/L	0.050	1	08/09/22 22:32	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.3	mg/L	2.0	1	08/04/22 13:59	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:27	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.1	mg/L	1.0	1	08/10/22 00:32	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	2.0 U	mg/L	2.0	10	08/04/22 10:27	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:02	NA	
Color	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 22:45	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	339	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:27	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.38	mg/L	0.20	1	08/16/22 12:49	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.60	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:42	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	564	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	216	mg/L	6.0	30	08/09/22 21:48	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: MW-11C
Lab Code: R2207182-019

Service Request: R2207182
Date Collected: 08/03/22 10:47
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	142	mg/L	2.0	1	08/09/22 12:41	NA	
Ammonia as Nitrogen, undistilled	350.1	0.175	mg/L	0.050	1	08/09/22 22:38	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 13:57	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:33	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.2	mg/L	1.0	1	08/09/22 22:19	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	2.0 U	mg/L	2.0	10	08/04/22 10:33	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:02	NA	
Color	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 22:53	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	898	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:33	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.31	mg/L	0.20	1	08/16/22 12:50	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.48	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:46	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1400	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	862	mg/L	20	100	08/12/22 15:32	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-25A
Lab Code: R2207182-021

Service Request: R2207182
Date Collected: 08/03/22 11:55
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	391	mg/L	2.0	1	08/09/22 13:03	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/09/22 22:39	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 14:03	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:40	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	3.7	mg/L	1.0	1	08/09/22 22:57	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	2.0 U	mg/L	2.0	10	08/04/22 10:40	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:03	NA	
Color	SM 2120 B-2001(2011)	2.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 23:21	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	689	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:40	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/16/22 12:51	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.39	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:50	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	988	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	386	mg/L	8.0	40	08/12/22 15:39	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-25CC
Lab Code: R2207182-023

Service Request: R2207182
Date Collected: 08/03/22 11:45
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	52.6	mg/L	2.0	1	08/09/22 13:09	NA	
Ammonia as Nitrogen, undistilled	350.1	0.382	mg/L	0.050	1	08/10/22 16:04	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	5.9	mg/L	2.0	1	08/04/22 08:25	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:46	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.1	mg/L	1.0	1	08/09/22 20:39	NA	
Chemical Oxygen Demand, Total	410.4	12.8	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	2.0	mg/L	2.0	10	08/04/22 10:46	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:03	NA	
Color	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 23:25	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1720	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:46	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.86	mg/L	0.20	1	08/16/22 12:55	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.26	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:54	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2750	mg/L	33	1	08/10/22 16:10	NA	
Sulfate	300.0	1910	mg/L	40	200	08/12/22 15:45	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-26A
Lab Code: R2207182-025

Service Request: R2207182
Date Collected: 08/03/22 12:30
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	483	mg/L	2.0	1	08/09/22 13:18	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/10/22 16:05	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 08:21	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:52	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	11.9	mg/L	1.0	1	08/09/22 20:49	NA	
Chemical Oxygen Demand, Total	410.4	20.9	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	148	mg/L	6.0	30	08/08/22 23:36	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:06	NA	
Color	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 23:29	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	533	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:52	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.63	mg/L	0.20	1	08/16/22 12:56	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.21	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 22:58	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	850	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	88.4	mg/L	2.0	10	08/04/22 10:52	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: DUPE-X
Lab Code: R2207182-027

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	483	mg/L	2.0	1	08/09/22 13:26	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/10/22 16:06	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 14:00	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:58	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	12.2	mg/L	1.0	1	08/09/22 21:00	NA	
Chemical Oxygen Demand, Total	410.4	20.9	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	145	mg/L	6.0	30	08/08/22 23:55	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:06	NA	
Color	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 23:33	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	527	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 10:58	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.34	mg/L	0.20	1	08/16/22 12:57	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.23	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 23:02	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	826	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	89.7	mg/L	2.0	10	08/04/22 10:58	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: MW-26C
Lab Code: R2207182-029

Service Request: R2207182
Date Collected: 08/03/22 12:22
Date Received: 08/03/22 17:10

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	231	mg/L	2.0	1	08/09/22 13:33	NA	
Ammonia as Nitrogen, undistilled	350.1	0.227	mg/L	0.050	1	08/10/22 16:07	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 08:19	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/04/22 11:05	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.6	mg/L	1.0	1	08/09/22 21:09	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	12.7	mg/L	2.0	10	08/04/22 11:05	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 19:07	NA	
Color	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 23:37	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1640	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/04/22 11:05	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.27	mg/L	0.20	1	08/12/22 14:21	08/11/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.24	pH Units	-	1	08/04/22 12:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 23:22	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2210	mg/L	11	1	08/09/22 10:15	NA	
Sulfate	300.0	1220	mg/L	40	200	08/09/22 15:26	NA	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	80-116	87-121
MW-23C VOA	R2207182-002	91	106	107
MW-4AA VOA	R2207182-004	90	107	105
MW-4B VOA	R2207182-006	90	106	104
MW-4C VOA	R2207182-008	92	106	107
MW-23AA VOA	R2207182-010	90	106	105
MW-24A VOA	R2207182-012	91	106	104
MW-7AA VOA	R2207182-014	91	103	106
MW-7BB VOA	R2207182-016	90	105	106
MW-11B VOA	R2207182-018	91	107	106
MW-1C VOA	R2207182-020	91	108	108
MW-25A VOA	R2207182-022	89	104	106
MW-25CC VOA	R2207182-024	90	106	106
MW-26A VOA	R2207182-026	91	106	105
DUPE-X VOA	R2207182-028	90	103	106
MW-26C VOA	R2207182-030	91	111	107
Trip Blank	R2207182-031	88	104	103
Method Blank	RQ2209399-04	90	104	103
Lab Control Sample	RQ2209399-03	91	105	104
MW-26C VOA MS	RQ2209399-05	98	108	106
MW-26C VOA DMS	RQ2209399-06	96	113	109

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22
Date Received: 08/03/22
Date Analyzed: 08/9/22
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-26C VOA
Lab Code: R2207182-030
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ2209399-05					Duplicate Matrix Spike RQ2209399-06				
	Sample Result	Result	Spike Amount	% Rec		Result	Spike Amount	% Rec	% Rec Limits	RPD
1,1,1,2-Tetrachloroethane	1.0 U	47.4	50.0	95		51.5	50.0	103	68-146	8
1,1,1-Trichloroethane (TCA)	1.0 U	48.6	50.0	97		52.1	50.0	104	74-127	7
1,1,2,2-Tetrachloroethane	1.0 U	46.8	50.0	94		44.9	50.0	90	72-122	4
1,1,2-Trichloroethane	1.0 U	48.4	50.0	97		50.5	50.0	101	82-121	4
1,1-Dichloroethane (1,1-DCA)	1.0 U	48.2	50.0	96		48.9	50.0	98	74-132	2
1,1-Dichloroethene (1,1-DCE)	1.0 U	49.3	50.0	99		52.2	50.0	104	71-118	6
1,2,3-Trichloropropane	1.0 U	43.8	50.0	88		41.1	50.0	82	75-122	6
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	45.6	50.0	91		47.3	50.0	95	37-150	4
1,2-Dibromoethane	1.0 U	44.9	50.0	90		47.3	50.0	95	67-127	5
1,2-Dichlorobenzene	1.0 U	42.0	50.0	84		42.7	50.0	85	77-120	2
1,2-Dichloroethane	1.0 U	44.0	50.0	88		46.4	50.0	93	68-130	5
1,2-Dichloropropane	1.0 U	42.9	50.0	86		45.3	50.0	91	79-124	5
1,4-Dichlorobenzene	1.0 U	41.6	50.0	83		43.8	50.0	88	82-120	5
2-Butanone (MEK)	5.0 U	45.8	50.0	92		46.6	50.0	93	61-137	2
2-Hexanone	5.0 U	46.9	50.0	94		48.8	50.0	98	56-132	4
4-Methyl-2-pentanone	5.0 U	48.0	50.0	96		49.8	50.0	100	60-141	4
Acetone	5.0 U	48.4	50.0	97		48.2	50.0	96	35-183	<1
Acrylonitrile	10 U	234	250	94		240	250	96	69-131	2
Benzene	1.0 U	45.3	50.0	91		47.2	50.0	94	76-129	4
Bromochloromethane	1.0 U	49.3	50.0	99		51.4	50.0	103	80-122	4
Bromodichloromethane	1.0 U	48.5	50.0	97		50.2	50.0	100	78-133	3
Bromoform	1.0 U	50.3	50.0	101		54.9	50.0	110	58-133	9
Bromomethane	1.0 U	41.9	50.0	84		49.2	50.0	98	10-184	16
Carbon Disulfide	1.0 U	44.1	50.0	88		45.4	50.0	91	59-140	3
Carbon Tetrachloride	1.0 U	47.2	50.0	94		50.9	50.0	102	65-135	7
Chlorobenzene	1.0 U	41.8	50.0	84		44.5	50.0	89	76-125	6
Chloroethane	1.0 U	43.6	50.0	87		44.1	50.0	88	48-146	1
Chloroform	1.0 U	48.5	50.0	97		51.6	50.0	103	75-130	6
Chloromethane	1.0 U	45.7	50.0	91		47.0	50.0	94	55-160	3
Dibromochloromethane	1.0 U	51.1	50.0	102		54.4	50.0	109	72-128	6
Dibromomethane	1.0 U	46.9	50.0	94		48.8	50.0	98	77-119	4
Methylene Chloride	1.0 U	48.7	50.0	97		49.7	50.0	99	73-122	2
Ethylbenzene	1.0 U	43.3	50.0	87		47.1	50.0	94	72-134	8

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

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

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

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

ALS Group USA, Corp.
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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/02/22
Date Received: 08/03/22
Date Analyzed: 08/9/22
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-26C VOA
Lab Code: R2207182-030
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ2209399-05				Duplicate Matrix Spike RQ2209399-06					
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Iodomethane	5.0 U	38.3	50.0	77	42.4	50.0	85	18-160	10	30
Styrene	1.0 U	41.1	50.0	82	44.9	50.0	90	74-136	9	30
Tetrachloroethene (PCE)	1.0 U	41.1	50.0	82	45.3	50.0	91	72-125	9	30
Toluene	1.0 U	46.9	50.0	94	48.2	50.0	96	79-119	3	30
Trichloroethene (TCE)	1.0 U	44.7	50.0	89	46.0	50.0	92	74-122	3	30
Trichlorofluoromethane (CFC 11)	1.0 U	49.8	50.0	100	50.8	50.0	102	71-136	2	30
Vinyl Acetate	2.0 U	51.4	50.0	103	51.5	50.0	103	48-172	<1	30
Vinyl Chloride	1.0 U	38.3	50.0	77	39.8	50.0	80	74-159	4	30
cis-1,2-Dichloroethene	1.0 U	49.0	50.0	98	48.4	50.0	97	77-127	1	30
cis-1,3-Dichloropropene	1.0 U	42.7	50.0	85	45.7	50.0	91	52-134	7	30
m,p-Xylenes	2.0 U	90.4	100	90	97.3	100	97	80-126	7	30
o-Xylene	1.0 U	45.6	50.0	91	49.4	50.0	99	79-123	8	30
trans-1,2-Dichloroethene	1.0 U	48.8	50.0	98	51.9	50.0	104	73-118	6	30
trans-1,3-Dichloropropene	1.0 U	41.2	50.0	82	45.3	50.0	91	71-133	9	30
trans-1,4-Dichloro-2-butene	1.0 U	30.7	50.0	61	33.4	50.0	67	27-155	8	30

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

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

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

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

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2209399-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 15:42	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/09/22 15:42	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/09/22 15:42	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/09/22 15:42	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/09/22 15:42	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/09/22 15:42	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/09/22 15:42	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/09/22 15:42	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/09/22 15:42	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 15:42	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/09/22 15:42	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/09/22 15:42	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/09/22 15:42	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/09/22 15:42	
2-Hexanone	5.0 U	5.0	0.20	1	08/09/22 15:42	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/09/22 15:42	
Acetone	5.0 U	5.0	5.0	1	08/09/22 15:42	
Acrylonitrile	10 U	10	0.90	1	08/09/22 15:42	
Benzene	1.0 U	1.0	0.20	1	08/09/22 15:42	
Bromochloromethane	1.0 U	1.0	0.20	1	08/09/22 15:42	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/09/22 15:42	
Bromoform	1.0 U	1.0	0.25	1	08/09/22 15:42	
Bromomethane	1.0 U	1.0	0.70	1	08/09/22 15:42	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/09/22 15:42	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/09/22 15:42	
Chlorobenzene	1.0 U	1.0	0.20	1	08/09/22 15:42	
Chloroethane	1.0 U	1.0	0.23	1	08/09/22 15:42	
Chloroform	1.0 U	1.0	0.24	1	08/09/22 15:42	
Chloromethane	1.0 U	1.0	0.28	1	08/09/22 15:42	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/09/22 15:42	
Dibromomethane	1.0 U	1.0	0.20	1	08/09/22 15:42	
Methylene Chloride	1.0 U	1.0	0.65	1	08/09/22 15:42	
Ethylbenzene	1.0 U	1.0	0.20	1	08/09/22 15:42	
Iodomethane	5.0 U	5.0	4.3	1	08/09/22 15:42	
Styrene	1.0 U	1.0	0.20	1	08/09/22 15:42	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/09/22 15:42	
Toluene	1.0 U	1.0	0.20	1	08/09/22 15:42	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/09/22 15:42	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/09/22 15:42	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/09/22 15:42	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/09/22 15:42	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/09/22 15:42	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/09/22 15:42	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2209399-04

Service Request: R2207182
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/09/22 15:42	
o-Xylene	1.0 U	1.0	0.20	1	08/09/22 15:42	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/09/22 15:42	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/09/22 15:42	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/09/22 15:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	08/09/22 15:42	
Dibromofluoromethane	104	80 - 116	08/09/22 15:42	
Toluene-d8	103	87 - 121	08/09/22 15:42	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Analyzed: 08/09/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2209399-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	21.4	20.0	107	76-129
1,1,1-Trichloroethane (TCA)	8260C	21.1	20.0	106	75-125
1,1,2,2-Tetrachloroethane	8260C	18.1	20.0	90	78-126
1,1,2-Trichloroethane	8260C	20.1	20.0	100	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	21.0	20.0	105	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	22.8	20.0	114	71-118
1,2,3-Trichloropropane	8260C	17.7	20.0	88	75-118
1,2-Dibromo-3-chloropropane (DBCP)	8260C	19.8	20.0	99	55-136
1,2-Dibromoethane	8260C	19.9	20.0	100	82-127
1,2-Dichlorobenzene	8260C	20.2	20.0	101	80-119
1,2-Dichloroethane	8260C	19.1	20.0	96	71-127
1,2-Dichloropropane	8260C	19.1	20.0	96	80-119
1,4-Dichlorobenzene	8260C	21.2	20.0	106	79-119
2-Butanone (MEK)	8260C	18.5	20.0	93	61-137
2-Hexanone	8260C	16.4	20.0	82	63-124
4-Methyl-2-pentanone	8260C	17.0	20.0	85	66-124
Acetone	8260C	16.7	20.0	84	40-161
Acrylonitrile	8260C	92.1	100	92	71-130
Benzene	8260C	19.5	20.0	97	79-119
Bromochloromethane	8260C	22.0	20.0	110	81-126
Bromodichloromethane	8260C	21.5	20.0	107	81-123
Bromoform	8260C	22.9	20.0	114	65-146
Bromomethane	8260C	23.8	20.0	119	42-166
Carbon Disulfide	8260C	20.9	20.0	104	66-128
Carbon Tetrachloride	8260C	22.7	20.0	114	70-127
Chlorobenzene	8260C	19.4	20.0	97	80-121
Chloroethane	8260C	18.7	20.0	93	62-131
Chloroform	8260C	21.5	20.0	108	79-120
Chloromethane	8260C	20.3	20.0	101	65-135
Dibromochloromethane	8260C	23.7	20.0	118	72-128
Dibromomethane	8260C	20.1	20.0	100	80-118
Methylene Chloride	8260C	21.3	20.0	107	73-122
Ethylbenzene	8260C	20.2	20.0	101	76-120

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Superset Reference:22-0000635758 rev 00

ALS Group USA, Corp.
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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Analyzed: 08/09/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2209399-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iodomethane	8260C	21.0	20.0	105	18-160
Styrene	8260C	21.9	20.0	110	80-124
Tetrachloroethene (PCE)	8260C	19.9	20.0	100	72-125
Toluene	8260C	20.1	20.0	101	79-119
Trichloroethene (TCE)	8260C	21.3	20.0	107	74-122
Trichlorofluoromethane (CFC 11)	8260C	23.6	20.0	118	71-136
Vinyl Acetate	8260C	20.0	20.0	100	52-174
Vinyl Chloride	8260C	17.4	20.0	87	74-159
cis-1,2-Dichloroethene	8260C	21.3	20.0	107	80-121
cis-1,3-Dichloropropene	8260C	19.9	20.0	100	77-122
m,p-Xylenes	8260C	42.5	40.0	106	80-126
o-Xylene	8260C	20.9	20.0	104	79-123
trans-1,2-Dichloroethene	8260C	21.7	20.0	108	73-118
trans-1,3-Dichloropropene	8260C	19.4	20.0	97	71-133
trans-1,4-Dichloro-2-butene	8260C	13.7	20.0	68	39-137



Metals

ALS Environmental—Rochester Laboratory

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Form 3

Blanks

Mercury by EPA 7470A Metals by EPA 6010C

Workorder
R2207182

Client
Barton & Loguidice, PC

Project
Auburn Landfill #1 - Baseline

09/19/2022

ALS Environmental–Rochester Laboratory

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Form 3 - Blanks

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Mercury by EPA 7470A

RCVAA02_773886			ICB		CCB		MB404313		CCB		CCB		CCB	
Units			Run Date		08/12/22		08/12/22		08/12/22		08/12/22		08/12/22	
ug/L			Run Time		12:05		12:11		12:13		12:35		12:59	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Mercury, Total	0.08	0.20	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U



Form 3 - Blanks

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Mercury by EPA 7470A

RCVAA02_773887			ICB		CCB		CCB		CCB		CCB		CCB	
Units			Run Date		08/12/22		08/12/22		08/12/22		08/12/22		08/12/22	
ug/L			Run Time		12:05		12:59		13:14		13:38		14:02	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Mercury, Total	0.08	0.20	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U

RCVAA02_773887			CCB		MB404315		CCB		
Units		Run Date	08/12/22		08/12/22		08/12/22		
ug/L		Run Time	15:19		15:35		15:41		
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	
Mercury, Total	0.08	0.20	0.08	U	0.08	U	0.08	U	



Form 3 - Blanks

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C

RPAES06_773708			ICB		CCB		CCB		MB404175		CCB		CCB	
Run Date			08/09/22		08/09/22		08/09/22		08/09/22		08/09/22		08/09/22	
Run Time			17:17		21:14		21:31		21:34		22:10		22:49	
Data File			6AUG09		6AUG09		6AUG09		6AUG09		6AUG09		6AUG09	
Units														
ug/L														
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum, Total	30	100	30	U	30	U	30	U	30	U	30	U	30	U
Antimony, Total	7	60	9	J	7	U	7	U	7	U	7	J	10	J
Arsenic, Total	6	10	6	U	6	U	6	U	6	U	6	U	6	U
Barium, Total	3	20	3	U	3	U	3	U	3	U	3	U	3	U
Beryllium, Total	0.2	3.0	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Boron, Total	20	200	20	U	20	U	20	U	20	U	20	U	20	U
Cadmium, Total	0.4	5.0	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Calcium, Total	300	1000	300	U	300	U	300	U	300	U	300	U	300	U
Chromium, Total	2	10	2	U	2	U	2	U	2	U	2	U	2	U
Cobalt, Total	0.9	50	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U
Copper, Total	4	20	4	U	4	U	4	U	4	U	4	U	4	U
Iron, Total	70	100	70	U	70	U	70	U	70	U	70	U	70	U
Lead, Total	3	50	3	U	3	U	3	U	3	U	3	U	3	U
Magnesium, Total	30	1000	30	U	30	U	30	U	30	U	30	U	30	U
Manganese, Total	4	10	4	U	4	U	4	U	4	U	4	U	4	U
Nickel, Total	3	40	3	U	3	U	3	U	3	U	3	U	3	U
Selenium, Total	7	10	7	U	7	U	7	U	7	U	7	U	7	U
Silver, Total	0.6	10	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Sodium, Total	200	1000	200	U	200	U	200	U	200	U	200	U	200	U
Thallium, Total	7	10	7	U	7	U	7	U	7	U	7	U	7	U
Vanadium, Total	0.7	50	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Zinc, Total	3	20	3	U	3	U	3	U	3	U	3	U	3	U



Form 3 - Blanks

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C

RPAES06_773708			CCB		CCB	
Units			Run Date		Run Date	
ug/L			Run Time		Run Time	
Data File			Data File		Data File	
Analyte	DL	LOQ	Result	Q	Result	Q
Aluminum, Total	30	100	30	U	30	U
Antimony, Total	7	60	7	U	9	J
Arsenic, Total	6	10	6	U	6	U
Barium, Total	3	20	3	U	3	U
Beryllium, Total	0.2	3.0	0.2	U	0.2	U
Boron, Total	20	200	20	U	20	U
Cadmium, Total	0.4	5.0	0.4	U	0.4	U
Calcium, Total	300	1000	300	U	300	U
Chromium, Total	2	10	2	U	2	U
Cobalt, Total	0.9	50	0.9	U	0.9	U
Copper, Total	4	20	4	U	4	U
Iron, Total	70	100	70	U	70	U
Lead, Total	3	50	3	U	3	U
Magnesium, Total	30	1000	30	U	30	U
Manganese, Total	4	10	4	U	4	U
Nickel, Total	3	40	3	U	3	U
Selenium, Total	7	10	7	U	7	U
Silver, Total	0.6	10	0.6	U	0.6	U
Sodium, Total	200	1000	200	U	200	U
Thallium, Total	7	10	7	U	7	U
Vanadium, Total	0.7	50	0.7	U	0.7	U
Zinc, Total	3	20	3	U	3	U



Form 3 - Blanks

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C

RPAES06_773793			ICB		CCB		CCB		MB		CCB		CCB	
Run Date			08/11/22		08/11/22		08/11/22		08/11/22		08/11/22		08/11/22	
Run Time			17:18		17:58		18:22		18:25		18:59		19:36	
Data File			6AUG11		6AUG11		6AUG11		6AUG11		6AUG11		6AUG11	
Units														
ug/L														
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Calcium, Total	300	1000	300	U	300	U	300	U			300	U	300	U
Potassium, Total	400	2000	400	U	400	U	400	U	400	U	400	U	400	U
Sodium, Total	200	1000	200	U	200	U	200	U			200	U	200	U

RPAES06_773793			CCB		CCB		CCB							
Run Date			08/11/22		08/11/22		08/11/22							
Run Time			20:13		20:44		21:00							
Data File			6AUG11		6AUG11		6AUG11							
Units														
ug/L														
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q						
Calcium, Total	300	1000	300	U	300	U	300	U						
Potassium, Total	400	2000	400	U	400	U	400	U						
Sodium, Total	200	1000	200	U	200	U	200	U						



Form 3 - Blanks

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C

RPAES06_774159			ICB		CCB		CCB		CCB		CCB			
Run Date			08/15/22		08/15/22		08/15/22		08/15/22		08/15/22			
Run Time			17:33		17:48		18:38		19:12		19:37			
Data File			6AUG15		6AUG15		6AUG15		6AUG15		6AUG15			
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
Thallium, Total	7	10	7	U	7	U	7	U	7	U	7	U		



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Form 5A

Matrix Spike Sample Recovery

Mercury by EPA 7470A
Metals by EPA 6010C

Workorder
R2207182

Client
Barton & Loguidice, PC

Project
Auburn Landfill #1 - Baseline

09/19/2022

ALS Environmental—Rochester Laboratory

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Form 5A - Matrix Spike Sample Recovery

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Mercury by EPA 7470A

MW-23C			R2207182-001			R2207182-001MS			R2207182-001DMS					
Samp Matrix Water		Run Date	08/12/22			08/12/22			08/12/22					
Prep Method Method		Units	12:29			12:31			12:37					
Prep Batch 404313 08/10/22		ug/L	25 mL			25 mL			25 mL					
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q
Mercury, Total	75-125	1.00	1	0.20	U	1.06	106		1.07	107		20	<1	



Form 5A - Matrix Spike Sample Recovery

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Mercury by EPA 7470A

MW-26C			R2207182-029			R2207182-029MS			R2207182-029DMS					
Samp Matrix Water			Run Date 08/12/22			08/12/22			08/12/22					
Prep Method Method			Run Time 14:06			14:08			14:10					
Prep Batch 404315 08/10/22			Prep Amt 25 mL			25 mL			25 mL					
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q
Mercury, Total	75-125	1.00	1	0.11	J	1.15	104		1.16	104		20	<1	

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



Form 5A - Matrix Spike Sample Recovery

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C

MW-26C			R2207182-029			R2207182-029MS			R2207182-029DMS					
Samp Matrix Water		Run Date	08/09/22			08/09/22			08/09/22					
Prep Method EPA 3005A/3010A		Units	22:52			22:55			22:58					
Prep Batch 404175 08/08/22		ug/L	50 mL			50 mL			50 mL					
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q
Aluminum, Total	75-125	2000	1	1480		3480	100		2980	75		20	15	
Antimony, Total	75-125	500	1	60	U	506	101		509	102		20	<1	
Arsenic, Total	75-125	40	1	7	J	51	110		46	97		20	11	
Barium, Total	75-125	2000	1	14	J	2030	101		2030	101		20	<1	
Beryllium, Total	75-125	50.0	1	3.0	U	45.4	91		45.4	91		20	<1	
Boron, Total	75-125	1000	1	190	J	1170	98		1170	99		20	<1	
Cadmium, Total	75-125	50.0	1	5.0	U	46.7	93		46.7	93		20	<1	
Chromium, Total	75-125	200	1	10	U	197	99		196	98		20	<1	
Cobalt, Total	75-125	500	1	50	U	487	97		487	97		20	<1	
Copper, Total	75-125	250	1	20	U	257	103		257	103		20	<1	
Iron, Total	75-125	1000	1	1660		2690	103		2290	63	*	20	16	
Lead, Total	75-125	500	1	50	U	482	96		485	97		20	<1	
Magnesium, Total	75-125	2000	1	85600		87500	91		86300	32		20	1	
Manganese, Total	75-125	500	1	82		573	98		567	97		20	1	
Nickel, Total	75-125	500	1	40	U	496	99		497	99		20	<1	
Selenium, Total	75-125	1010	1	10	U	952	94		955	95		20	<1	
Silver, Total	75-125	50	1	10	U	51	101		51	101		20	<1	
Sodium, Total	75-125	20000	1	17900		37900	100		38200	101		20	<1	
Thallium, Total	75-125	2000	1	20		2010	100		2020	100		20	<1	
Vanadium, Total	75-125	500	1	1	J	487	97		486	97		20	<1	
Zinc, Total	75-125	500	1	7	J	485	96		484	95		20	<1	

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



Form 5A - Matrix Spike Sample Recovery

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C

MW-26C			R2207182-029			R2207182-029MS			R2207182-029DMS					
Samp Matrix Water			Run Date 08/11/22			08/11/22			08/11/22					
Prep Method EPA 3005A/3010A			Units			20:26			20:29			20:32		
Prep Batch 404175 08/08/22			ug/L			50 mL			50 mL			50 mL		
Prep Amt														
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q
Calcium, Total	75-125	2000	10	517000		510000	-339		509000	-419		20	<1	
Potassium, Total	75-125	20000	1	2900		22400	97		22200	96		20	<1	

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



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Form 7

Laboratory Control Sample

Metals by EPA 6010C
Mercury by EPA 7470A

Workorder
R2207182

Client
Barton & Loguidice, PC

Project
Auburn Landfill #1 - Baseline

09/19/2022

ALS Environmental—Rochester Laboratory

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Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Mercury by EPA 7470A

RCVAA02_773886				R2207182-LCS1					
QC Matrix	Water		Run Date	08/12/22					
Prep Method	Method	Units	Run Time	12:15					
Prep Batch	404313 08/10/22	ug/L	Prep Amt	25 mL					
Analyte	%R Limits	Spike Added	LCS Result	%R	Q				
Mercury, Total	80-120	1.00	1.05	105					

- %Recovery / RPD Flag

* - %Recovery / RPD Outside Limits



Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Mercury by EPA 7470A

RCVAA02_773887				R2207182-LCS2				
QC Matrix	Water		Run Date	08/12/22				
Prep Method	Method	Units	Run Time	13:18				
Prep Batch	404315 08/10/22	ug/L	Prep Amt	25 mL				
Analyte	%R Limits	Spike Added	LCS Result	%R	Q			
Mercury, Total	80-120	1.00	1.18	118				

- %Recovery / RPD Flag

* - %Recovery / RPD Outside Limits



Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C

RPAES06_773708			R2207182-LCS1		
QC Matrix	Water	Run Date	08/09/22		
Prep Method	EPA 3005A/3010A	Units	Run Time	21:37	
Prep Batch	404175 08/08/22	ug/L	Prep Amt	50 mL	
Analyte	%R Limits	Spike Added	LCS Result	%R	Q
Aluminum, Total	80-120	2000	1930	96	
Antimony, Total	80-120	500	495	99	
Arsenic, Total	80-120	40	40.0	100	
Barium, Total	80-120	2000	2030	102	
Beryllium, Total	80-120	50.0	46.4	93	
Boron, Total	80-120	1000	960	96	
Cadmium, Total	80-120	50.0	49.9	100	
Calcium, Total	80-120	2000	1960	98	
Chromium, Total	80-120	200	197	99	
Cobalt, Total	80-120	500	496	99	
Copper, Total	80-120	250	242	97	
Iron, Total	80-120	1000	969	97	
Lead, Total	80-120	500	490	98	
Magnesium, Total	80-120	2000	1910	95	
Manganese, Total	80-120	500	491	98	
Nickel, Total	80-120	500	506	101	
Selenium, Total	80-120	1010	939	93	
Silver, Total	80-120	50	48.0	96	
Sodium, Total	80-120	20000	20100	100	
Thallium, Total	80-120	2000	1810	91	
Vanadium, Total	80-120	500	481	96	
Zinc, Total	80-120	500	480	96	

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207182

Metals by EPA 6010C

RPAES06_773793				R2207182-LCS1				
QC Matrix	Water		Run Date	08/11/22				
Prep Method	EPA 3005A/3010A		Units	Run Time			18:29	
Prep Batch	404175 08/08/22		ug/L	Prep Amt			50 mL	
Analyte	%R Limits	Spike Added	LCS Result	%R	Q			
Potassium, Total	80-120	20000	17800	89				

- %Recovery / RPD Flag

* - %Recovery / RPD Outside Limits



General Chemistry

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: R2207182-MB1

Service Request: R2207182
Date Collected: NA
Date Received: NA

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	08/09/22 08:31	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/05/22 22:12	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/04/22 18:55	NA	
Bromide	300.0	0.10 U	mg/L	0.10	1	08/04/22 08:59	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/09/22 19:20	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	08/04/22 08:59	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/03/22 18:50	NA	
Color	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	08/04/22 12:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 20:21	NA	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	1	08/04/22 08:59	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/12/22 14:17	08/11/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/08/22 21:18	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	08/09/22 10:15	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/04/22 08:59	NA	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207182-MB2

Service Request: R2207182
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	08/09/22 11:28	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/09/22 21:51	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/05/22 17:10	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	08/08/22 21:43	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 22:13	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/16/22 12:45	08/15/22	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	08/10/22 16:10	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/08/22 21:43	NA	

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dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207182-MB3

Service Request: R2207182
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/10/22 15:59	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	08/12/22 13:33	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/19/22 18:14	08/18/22	
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/09/22 13:26	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207182-MB4

Service Request: R2207182
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/09/22 19:36	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207182-MB5

Service Request: R2207182
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/12/22 13:33	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/03/22 - 08/09/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-23C **Units:** mg/L
Lab Code: R2207182-001 **Basis:** NA

Matrix Spike
R2207182-001MS

Duplicate Matrix Spike
R2207182-001DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Chromium, Hexavalent	7196A	0.010 U	0.095	0.100	95	0.096	0.100	96	85-115	<1	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0383	0.0400	96	0.0393	0.0400	98	49-137	3	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	3.2	28.2	25.0	100	28.5	25.0	101	48-135	<1	20

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

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

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

Printed 9/22/2022 9:59:01 AM

Superset Reference:22-0000635758 rev 00

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/04/22 - 08/10/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-4B **Units:** mg/L
Lab Code: R2207182-005 **Basis:** NA

Matrix Spike R2207182-005MS						Duplicate Matrix Spike R2207182-005DMS					
Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Bromide	300.0	1.0 U	9.5	10.0	95	9.1	10.0	91	90-110	5	20
Chloride	300.0	9.6	28.9	20.0	96	27.5	20.0	90	90-110	5	20
Cyanide, Total	Kelada-01	0.0050 U	0.0968	0.100	97	0.0966	0.100	97	90-110	<1	20
Nitrate as Nitrogen	300.0	1.0 U	9.6	10.0	96	9.1	10.0	91	90-110	5	20

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

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

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

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Superset Reference:22-0000635758 rev 00

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/12/22

Duplicate Matrix Spike Summary
Chloride

Sample Name: MW-23AA
Lab Code: R2207182-009
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike R2207182-009MS		Result	Duplicate Matrix Spike R2207182-009DMS		% Rec Limits	RPD	RPD Limit
			Spike Amount	% Rec		Spike Amount	% Rec			
Chloride	124	176	60.0	87 *	178	60.0	89 *	90-110	<1	20

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

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/19/22
Date Extracted: 08/18/22

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name: MW-24A
Lab Code: R2207182-011
Analysis Method: 351.2
Prep Method: Method

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2207182-011MS			Duplicate Matrix Spike R2207182-011DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Nitrogen, Total Kjeldahl (TKN)	0.20 U	2.41	2.50	97	2.40	2.50	96	90-110	<1	20

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/5/22

Duplicate Matrix Spike Summary
Ammonia as Nitrogen, undistilled

Sample Name: MW-7BB
Lab Code: R2207182-015
Analysis Method: 350.1

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2207182-015MS			Duplicate Matrix Spike R2207182-015DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Ammonia as Nitrogen, undistilled	0.316	0.547	0.250	92	0.546	0.250	92	90-110	<1	20

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/9/22

Duplicate Matrix Spike Summary
Ammonia as Nitrogen, undistilled

Sample Name: MW-11B
Lab Code: R2207182-017
Analysis Method: 350.1

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2207182-017MS			Duplicate Matrix Spike R2207182-017DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Ammonia as Nitrogen, undistilled	0.175	0.648	0.500	95	0.650	0.500	95	90-110	<1	20

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/10/22

Duplicate Matrix Spike Summary
Cyanide, Total

Sample Name: MW-11C
Lab Code: R2207182-019
Analysis Method: Kelada-01

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike R2207182-019MS		Result	Duplicate Matrix Spike R2207182-019DMS		% Rec Limits	RPD	RPD Limit
			Spike Amount	% Rec		Spike Amount	% Rec			
Cyanide, Total	0.0050 U	0.0946	0.100	95	0.0924	0.100	92	90-110	2	20

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/16/22
Date Extracted: 08/15/22

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name: MW-25A
Lab Code: R2207182-021
Analysis Method: 351.2
Prep Method: Method

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2207182-021MS			Duplicate Matrix Spike R2207182-021DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Nitrogen, Total Kjeldahl (TKN)	0.20 U	2.73	2.50	109	2.68	2.50	107	90-110	2	20

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/8/22

Duplicate Matrix Spike Summary
Chloride

Sample Name: MW-26A
Lab Code: R2207182-025
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Matrix Spike R2207182-025MS				Duplicate Matrix Spike R2207182-025DMS				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Chloride	148	196	60.0	81 *	191	60.0	72 *	90-110	3	20

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

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

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/03/22 - 08/12/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-26C
Lab Code: R2207182-029

Units: mg/L
Basis: NA

Matrix Spike
R2207182-029MS

Duplicate Matrix Spike
R2207182-029DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ammonia as Nitrogen, undistilled	350.1	0.227	0.462	0.250	94	0.460	0.250	93	90-110	<1	20
Bromide	300.0	1.0 U	9.3	10.0	93	9.2	10.0	92	90-110	<1	20
Chloride	300.0	12.7	31.7	20.0	95	31.4	20.0	93	90-110	1	20
Cyanide, Total	Kelada-01	0.0050 U	0.0823	0.100	82 *	0.0852	0.100	85 *	90-110	3	20
Chemical Oxygen Demand, Total	410.4	5.0 U	26.2	25.0	105	26.8	25.0	107	90-110	2	20
Chromium, Hexavalent	7196A	0.010 U	0.006 J	0.100	6 *	0.007 J	0.100	7 *	85-115	12	20
Nitrate as Nitrogen	300.0	1.0 U	9.4	10.0	94	9.4	10.0	94	90-110	<1	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0391	0.0400	98	0.0389	0.0400	97	49-137	<1	20
Sulfate	300.0	1220	1740	400	129 *	1690	400	117 *	90-110	3	20
Nitrogen, Total Kjeldahl (TKN)	351.2	0.27	2.66	2.50	96	2.56	2.50	91	90-110	4	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.6	27.1	25.0	98	25.0	25.0	90	48-135	8	20

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Superset Reference:22-0000635758 rev 00

ALS Group USA, Corp.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/09/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-4B
Lab Code: R2207182-005

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2207182-005DUP Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	2.0	376	377	376	<1	20

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ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/04/22 - 08/09/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-26C
Lab Code: R2207182-029

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2207182- 029DUP	Average	RPD	RPD Limit
				Result			
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	2.0	231	232	231	<1	20
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	2.0 U	2.0 U	NC	NC	20
Solids, Total Dissolved (TDS)	SM 2540 C-2015	11	2210	2220	2220	<1	10

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ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/04/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-26C
Lab Code: R2207182-029

Units: ColorUnits
Basis: NA

				Duplicate Sample R2207182- 029DUP Result			
Analyte Name	Analysis Method	MRL	Sample Result	Average	RPD	RPD Limit	
Color	SM 2120 B-2001(2011)	1.0	1.0	1.0	1.00	<1	

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

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

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ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Collected: 08/03/22
Date Received: 08/03/22
Date Analyzed: 08/04/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-26C
Lab Code: R2207182-029

Units: pH Units
Basis: NA

				Duplicate Sample R2207182- 029DUP			
Analyte Name	Analysis Method	MRL	Sample Result	Result	Average	RPD	RPD Limit
pH of Color Analysis	SM 2120 B-2001(2011)	-	7.24	7.24	7.24	<1	20

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

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

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Analyzed: 08/03/22 - 08/12/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2207182-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	21.1	20.0	106	80-120
Ammonia as Nitrogen, undistilled	350.1	0.254	0.250	101	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	180	198	91	85-115
Bromide	300.0	0.93	1.00	93	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	24.4	25.0	97	80-121
Chemical Oxygen Demand, Total	410.4	53.7	50.0	107	90-110
Chloride	300.0	1.87	2.00	94	90-110
Chromium, Hexavalent	7196A	0.102	0.100	102	80-120
Cyanide, Total	Kelada-01	0.0994	0.100	99	90-110
Nitrate as Nitrogen	300.0	0.94	1.00	94	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.26	2.50	90	90-110
Phenolics, Total Recoverable	9066	0.0387	0.0400	97	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	896	914	98	90-110
Sulfate	300.0	1.91	2.00	96	90-110

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Analyzed: 08/05/22 - 08/16/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2207182-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	21.8	20.0	109	80-120
Ammonia as Nitrogen, undistilled	350.1	0.514	0.500	103	90-110
Chemical Oxygen Demand, Total	410.4	51.4	50.0	103	90-110
Chloride	300.0	1.87	2.00	93	90-110
Cyanide, Total	Kelada-01	0.0926	0.100	93	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.54	2.50	101	90-110
Solids, Total Dissolved (TDS)	SM 2540 C-2015	924	914	101	90-110
Sulfate	300.0	1.91	2.00	95	90-110

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Analyzed: 08/09/22 - 08/19/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2207182-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	350.1	0.246	0.250	99	90-110
Chloride	300.0	2.02	2.00	101	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.37	2.50	95	90-110
Sulfate	300.0	1.85	2.00	93	90-110

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Analyzed: 08/09/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L**Basis:**NA**Lab Control Sample**

R2207182-LCS4

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sulfate	300.0	1.93	2.00	97	90-110

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207182
Date Analyzed: 08/12/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L**Basis:**NA**Lab Control Sample**

R2207182-LCS5

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sulfate	300.0	2.06	2.00	103	90-110



September 01, 2022

Service Request No:R2207261

Mr. Matthew Strodel
Barton & Loguidice, PC
443 Electronics Parkway
Liverpool, NY 13088

Laboratory Results for: Auburn Landfill #1 - Baseline

Dear Mr.Strodel,

Enclosed are the results of the sample(s) submitted to our laboratory August 05, 2022
For your reference, these analyses have been assigned our service request number **R2207261**.

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

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Nicole Mansen
Project Manager

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline
Sample Matrix: Water

Service Request: R2207261
Date Received: 08/04/2022 - 08/05/2022

CASE NARRATIVE

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

Sample Receipt:

Twenty three water samples were received for analysis at ALS Environmental on 08/04/2022 - 08/05/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

Mercury: The reporting limit is elevated for Mercury in one or more samples in this report. The sample matrix contained excessive amounts of organic matter that subsequently reduced the potassium permanganate added during sample preparation. An excess of oxidized permanganate must be maintained throughout the prep process in order to ensure no loss of mercury as vapor. As a result, a lesser amount of sample was utilized and the resulting reporting limits adjusted accordingly.

General Chemistry:

Method SM 2540 C-2015, R2207261-011, -013, -015, and -021: The analysis was initially performed within the recommended holding time. Reanalysis at a dilution was required. The reanalysis was performed past the recommended holding time.

Volatiles by GC/MS:

Method 8260: Samples are routinely tested for pH after analysis to confirm that any acid added was sufficient to reduce the pH to <2 to extend the holding time from 7 days to 14 days. The following sample(s) were analyzed beyond 7 days and were found to be insufficiently preserved. R2207261-001

Approved by

A handwritten signature in black ink, appearing to read "Nicol" followed by a stylized flourish.

Date

09/01/2022



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request:R2207261

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2207261-001	MW-18AA	8/4/2022	0905
R2207261-002	MW-18AA VOA	8/3/2022	1344
R2207261-003	MW-18CC	8/4/2022	0855
R2207261-004	MW-18CC VOA	8/3/2022	1345
R2207261-005	MW-19AA	8/4/2022	0935
R2207261-006	MW-19AA VOA	8/3/2022	1415
R2207261-007	MW-19CC	8/4/2022	0925
R2207261-008	MW-19CC VOA	8/3/2022	1428
R2207261-009	MW-5B	8/4/2022	1220
R2207261-010	MW-5B VOA	8/3/2022	1620
R2207261-011	MW-20C	8/4/2022	0955
R2207261-012	MW-20C VOA	8/3/2022	1250
R2207261-013	MW-21A	8/4/2022	1020
R2207261-014	MW-21A VOA	8/3/2022	1515
R2207261-015	MW-21C	8/4/2022	1015
R2207261-016	MW-21C VOA	8/3/2022	1513
R2207261-017	MW-22A	8/4/2022	1202
R2207261-018	MW-22A VOA	8/3/2022	1532
R2207261-019	MW-22C	8/4/2022	1210
R2207261-020	MW-22C VOA	8/3/2022	1530
R2207261-021	DUPE-Y	8/4/2022	0855
R2207261-022	DUPE-Y VOA	8/3/2022	1345
R2207261-023	Trip Blank		



SR#

Phone (585) 288-5380 / FAX (585) 288-8475

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R2207261
Barton & Loguldice, PC
Auburn Landfill #1 - Basel

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R2207261 **5**
Barton & Loguidice, PC
Auburn Landfill #1 - Baseline




Cooler Receipt and Preservation

R2207261

5

Barton & Loguidice, PC
Auburn Landfill #1 - Baseline

Project/Client

Barton - Auburn

Folder Number

Cooler received on

8/4/22

by

Rue

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y ☒
2	Custody papers properly completed (ink, signed)?	☒ N
3	Did all bottles arrive in good condition (unbroken)?	Y N
4	Circle: Wet Ice Dry Ice Gel packs present?	Y N

5a	Perchlorate samples have required headspace?	Y N NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y N NA
6	Where did the bottles originate?	ALS/ROC CLIENT
7	Soil VOA received as:	Bulk Encore 5035set NA

3. Temperature Readings

Date:

8/4/22

Time:

1640

ID: IR#7

IR#11

From:

Temp Blank

Sample Bottle

Observed Temp (°C)	24.8	27.3	24.1				
Within 0-6°C?	Y ☒	Y ☒	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: No ice Ice melted Poorly Packed (described below) Same Day Rule
 & Client Approval to Run Samples: Standing Approval Client aware at drop-off Client notified by:

All samples held in storage location:

by

on

at

5035 samples placed in storage location:

by

on

at

within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 08/08/22 Time: 0920 by: AL

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)?

☒ YES

NO

10. Did all bottle labels and tags agree with custody papers?

☒ YES

NO

11. Were correct containers used for the tests indicated?

☒ YES

NO

12. Were 5035 vials acceptable (no extra labels, not leaking)?

YES

NO

13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N

Canisters Pressurized

Tedlar® Bags Inflated

☒ N/A

pH	Lot of test paper	Reagent	Preserved?	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12	225320	NaOH	☒	199040	04/25	017	2 pellets	223675	7.12
≤2	225320	HNO ₃	☒	1122031	05/23	017	0.5mL	B28035B	<2
≤2	225320	H ₂ SO ₄	☒	L120-10	04/23				
<4		NaHSO ₄							
5-9		For 608pest		No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522	☒	If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃							
		ZnAcetate	-						
		HCl	**						

**VOAs and 1664 Not to be tested before analysis.
 Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 22-05-27, 22-04-20, 051622-3EGY, 2649-1, 050922-1EKP

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by:

PC Secondary Review:

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

Internal Chain of Custody Report

Service Request: R2207261

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-001.01	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1553	RT000829 / ALUGO	
		8/8/2022	1553	R-022 / ALUGO	
R2207261-001.02	SM 5310 B-2014,9066	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
R2207261-001.03	7470A	8/8/2022	0952	SMO / GESMERIAN	
R2207261-001.04	SM 2320 B-1997(2011)	8/8/2022	0952	SMO / GESMERIAN	
		8/9/2022	0920	R-014 / GESMERIAN	
		8/9/2022	0922	RT000713 / GESMERIAN	
R2207261-001.05	SM 2120 B-2001(2011)	8/8/2022	0952	SMO / GESMERIAN	
R2207261-001.06	Kelada-01	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1550	RT000786 / ALUGO	
R2207261-001.07	350.1,351.2,410.4	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1544	R-016 / ALUGO	
		8/8/2022	1546	RT000301 / ALUGO	
R2207261-001.08	6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010 C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0957	R-A01 / GESMERIAN	
		8/11/2022	1341	In Lab / CDISTEFANO	
R2207261-001.09	SM 5210 B-2016	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1045	R-014 / GESMERIAN	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-002.01	SM 5210 B-2016	8/8/2022	1046	RT000233 / GESMERIAN	
	8260C	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		8/11/2022	1145	In Lab / KRUEST	
R2207261-002.02		8/11/2022	1152	R-001-S12 / KRUEST	
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		8/8/2022	0952	SMO / GESMERIAN	
R2207261-002.03		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-003.01	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1553	RT000829 / ALUGO	
		8/8/2022	1553	R-022 / ALUGO	
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
R2207261-003.02	SM 5310 B-2014,9066	8/8/2022	1549	RT000786 / ALUGO	
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
		8/8/2022	0952	SMO / GESMERIAN	
R2207261-003.03	7470A	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0952	SMO / GESMERIAN	
		8/9/2022	0920	R-014 / GESMERIAN	
		8/9/2022	0922	RT000713 / GESMERIAN	
		8/9/2022	0922	RT000713 / GESMERIAN	
R2207261-003.04	SM 2320 B-1997(2011)	8/8/2022	0952	SMO / GESMERIAN	
		8/9/2022	0920	R-014 / GESMERIAN	
		8/9/2022	0922	RT000713 / GESMERIAN	
		8/9/2022	0922	RT000713 / GESMERIAN	
		8/9/2022	0922	RT000713 / GESMERIAN	
R2207261-003.05	SM 2120 B-2001(2011)	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0952	SMO / GESMERIAN	

Internal Chain of Custody Report

Service Request: R2207261

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-003.06	Kelada-01	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1550	RT000786 / ALUGO	
R2207261-003.07	350.1,351.2,410.4	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1544	R-016 / ALUGO	
		8/8/2022	1546	RT000301 / ALUGO	
R2207261-003.08	6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010 C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C,6010C	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0958	R-A01 / GESMERIAN	
		8/11/2022	1341	In Lab / CDISTEFANO	
R2207261-003.09	SM 5210 B-2016	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1045	R-014 / GESMERIAN	
		8/8/2022	1046	RT000233 / GESMERIAN	
R2207261-003.10		8/8/2022	0955	SMO / GESMERIAN	
		8/8/2022	1553	RT000829 / ALUGO	
		8/8/2022	1553	R-022 / ALUGO	
R2207261-003.11		8/8/2022	0955	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
R2207261-003.12		8/8/2022	0956	SMO / GESMERIAN	
		8/9/2022	0920	R-014 / GESMERIAN	
		8/9/2022	0922	RT000713 / GESMERIAN	
R2207261-003.13		8/8/2022	0956	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1550	RT000786 / ALUGO	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-003.14					
		8/8/2022	0956	SMO / GESMERIAN	
		8/8/2022	1544	R-016 / ALUGO	
		8/8/2022	1546	RT000301 / ALUGO	
R2207261-003.15					
		8/8/2022	0956	SMO / GESMERIAN	
		8/8/2022	1045	R-014 / GESMERIAN	
		8/8/2022	1046	RT000233 / GESMERIAN	
R2207261-004.01					
	8260C				
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		8/11/2022	1145	In Lab / KRUEST	
		8/11/2022	1153	R-001-S12 / KRUEST	
R2207261-004.02					
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-004.03					
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-004.04					
		8/8/2022	1004	SMO / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-004.05					
		8/8/2022	1004	SMO / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-004.06					
		8/8/2022	1004	SMO / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-005.01					

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-006.01	8260C	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		8/11/2022	1145	In Lab / KRUEST	
		8/11/2022	1153	R-001-S12 / KRUEST	
R2207261-006.02		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-006.03		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-007.01	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1145	R-022 / GESMERIAN	
		8/8/2022	1146	RT000164 / GESMERIAN	
R2207261-007.02	SM 5310 B-2014,9066	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
R2207261-007.03	7470A	8/8/2022	0952	SMO / GESMERIAN	
R2207261-007.04	SM 2320 B-1997(2011)	8/8/2022	0952	SMO / GESMERIAN	
		8/9/2022	0920	R-014 / GESMERIAN	
		8/9/2022	0922	RT000713 / GESMERIAN	
R2207261-007.05	SM 2120 B-2001(2011)	8/8/2022	0952	SMO / GESMERIAN	
R2207261-007.06	Kelada-01	8/8/2022	0952	SMO / GESMERIAN	

Internal Chain of Custody Report

Service Request: R2207261[illegible]

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C	8/8/2022	1004	R-001 / GESMERIAN	
		8/11/2022	1145	In Lab / KRUEST	
		8/11/2022	1153	R-001-S12 / KRUEST	
		R2207261-010.02			
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		R2207261-010.03			
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		R2207261-011.01			
	SM 2540 C-2015,SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1145	RT000164 / GESMERIAN	
		8/8/2022	1145	R-022 / GESMERIAN	
		R2207261-011.02			
	SM 5310 B-2014,9066	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
		R2207261-011.03			
	7470A	8/8/2022	0952	SMO / GESMERIAN	
		R2207261-011.04			
	SM 2320 B-1997(2011)	8/8/2022	0952	SMO / GESMERIAN	
		8/9/2022	0920	R-014 / GESMERIAN	
		8/9/2022	0921	RT000713 / GESMERIAN	
		R2207261-011.05			
	SM 2120 B-2001(2011)	8/8/2022	0952	SMO / GESMERIAN	
		R2207261-011.06			
	Kelada-01	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1550	RT000786 / ALUGO	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-011.07	350.1,351.2,410.4	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1544	R-016 / ALUGO	
		8/8/2022	1546	RT000301 / ALUGO	
R2207261-011.08	6010C,6010C	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0957	R-A01 / GESMERIAN	
		8/11/2022	1341	In Lab / CDISTEFANO	
R2207261-011.09	SM 5210 B-2016	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1045	R-014 / GESMERIAN	
		8/8/2022	1046	RT000233 / GESMERIAN	
R2207261-012.01	8260C	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		8/11/2022	1145	In Lab / KRUEST	
		8/11/2022	1153	R-001-S12 / KRUEST	
R2207261-012.02		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-012.03		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-013.01	SM 2540 C-2015,SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1553	RT000829 / ALUGO	
		8/8/2022	1553	R-022 / ALUGO	
R2207261-013.02	SM 5310 B-2014,9066	8/8/2022	0952	SMO / GESMERIAN	

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-013.03	SM 5310 B-2014,9066	8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
R2207261-013.03	7470A	8/8/2022	0952	SMO / GESMERIAN	
R2207261-013.04	SM 2320 B-1997(2011)	8/8/2022	0952	SMO / GESMERIAN	
		8/9/2022	0920	R-014 / GESMERIAN	
		8/9/2022	0921	RT000713 / GESMERIAN	
R2207261-013.05	SM 2120 B-2001(2011)	8/8/2022	0952	SMO / GESMERIAN	
R2207261-013.06	Kelada-01	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1550	RT000786 / ALUGO	
R2207261-013.07	350.1,351.2,410.4	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1544	R-016 / ALUGO	
		8/8/2022	1546	RT000301 / ALUGO	
R2207261-013.08	6010C,6010C	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0957	R-A01 / GESMERIAN	
		8/11/2022	1341	In Lab / CDISTEFANO	
R2207261-013.09	SM 5210 B-2016	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1045	R-014 / GESMERIAN	
		8/8/2022	1046	RT000233 / GESMERIAN	
R2207261-014.01	8260C	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		8/11/2022	1145	In Lab / KRUEST	

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-014.02	8260C	8/11/2022	1153	R-001-S12 / KRUEST	
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-014.03		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-015.01	SM 2540 C-2015,SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1553	RT000829 / ALUGO	
		8/8/2022	1553	R-022 / ALUGO	
R2207261-015.02	SM 5310 B-2014,9066	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
R2207261-015.03	7470A	8/8/2022	0952	SMO / GESMERIAN	
R2207261-015.04	SM 2320 B-1997(2011)	8/8/2022	0952	SMO / GESMERIAN	
		8/9/2022	0920	R-014 / GESMERIAN	
		8/9/2022	0921	RT000713 / GESMERIAN	
R2207261-015.05	SM 2120 B-2001(2011)	8/8/2022	0952	SMO / GESMERIAN	
R2207261-015.06	Kelada-01	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
R2207261-015.07					

Internal Chain of Custody Report

Service Request: R2207261Page 21 of 137

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-018.02					
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-018.03					
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-019.01					
	SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0				
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1553	RT000829 / ALUGO	
		8/8/2022	1553	R-022 / ALUGO	
R2207261-019.02					
	SM 5310 B-2014,9066				
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
R2207261-019.03					
	7470A				
		8/8/2022	0952	SMO / GESMERIAN	
R2207261-019.04					
	SM 2320 B-1997(2011)				
		8/8/2022	0952	SMO / GESMERIAN	
		8/9/2022	0920	R-014 / GESMERIAN	
		8/9/2022	0922	RT000713 / GESMERIAN	
R2207261-019.05					
	SM 2120 B-2001(2011)				
		8/8/2022	0952	SMO / GESMERIAN	
R2207261-019.06					
	Kelada-01				
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
R2207261-019.07					
	350.1,351.2,410.4				
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1544	R-016 / ALUGO	
		8/8/2022	1546	RT000301 / ALUGO	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-019.08					
	6010C,6010C	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0957	R-A01 / GESMERIAN	
		8/11/2022	1341	In Lab / CDISTEFANO	
R2207261-019.09					
	SM 5210 B-2016				
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1154	R-002 / GESMERIAN	
		8/8/2022	1155	R-002 / GESMERIAN	
		8/8/2022	1156	RT000126 / GESMERIAN	
R2207261-020.01					
	8260C				
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		8/11/2022	1145	In Lab / KRUEST	
		8/11/2022	1152	R-001-S12 / KRUEST	
R2207261-020.02					
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-020.03					
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-021.01					
	SM 2540 C-2015,SM 2540 C-2015,7196A,300.0,300.0,300.0,300.0				
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1553	RT000829 / ALUGO	
		8/8/2022	1553	R-022 / ALUGO	
R2207261-021.02					
	SM 5310 B-2014,9066				
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
R2207261-021.03					

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Barton & Loguidice, PC

Service Request: R2207261

Project: Auburn Landfill #1 - Baseline/554.026.018

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207261-022.03		8/8/2022	1004	R-001 / GESMERIAN	
		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-023.01	8260C	8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
		8/11/2022	1145	In Lab / KRUEST	
		8/11/2022	1152	R-001-S12 / KRUEST	
R2207261-023.02		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	
R2207261-023.03		8/8/2022	0952	SMO / GESMERIAN	
		8/8/2022	0956	R-001 / GESMERIAN	
		8/8/2022	1004	R-001 / GESMERIAN	



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations¹



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

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

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

ALS Laboratory Group

Acronyms

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

ALS Group USA, Corp.
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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Sample Name: MW-18AA
Lab Code: R2207261-001
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0	GNITAJOUPPI	SMORGAN
350.1		MROGERSON
351.2		GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A	BDIAMOND	MROGERSON
7470A		BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-18AA VOA
Lab Code: R2207261-002
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-18CC
Lab Code: R2207261-003
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0	GNITAJOUPPI	SMORGAN
350.1		MROGERSON
351.2		GNITAJOUPPI
410.4		SMEDBURY

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Sample Name: MW-18CC
Lab Code: R2207261-003
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-18CC VOA
Lab Code: R2207261-004
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-19AA
Lab Code: R2207261-005
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	BDIAMOND
6010C	CDISTEFANO	CKUTZER
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Sample Name: MW-19AA
Lab Code: R2207261-005
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-19AA VOA
Lab Code: R2207261-006
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-19CC
Lab Code: R2207261-007
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KAWONG

ALS Group USA, Corp.
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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Sample Name: MW-19CC
Lab Code: R2207261-007
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method
SM 2540 C-2015
SM 5210 B-2016
SM 5310 B-2014

Extracted/Digested By

Analyzed By
KAWONG
STALARICO
SMORGAN

Sample Name: MW-19CC VOA
Lab Code: R2207261-008
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/4/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW-5B
Lab Code: R2207261-009
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method
300.0
350.1
351.2
410.4
6010C
6010C
7196A
7470A
9066
Kelada-01
SM 2120 B-2001(2011)
SM 2320 B-1997(2011)
SM 2540 C-2015
SM 5210 B-2016
SM 5310 B-2014

Extracted/Digested By

GNITAJOUPPI

CDISTEFANO
CDISTEFANO

BDIAMOND

Analyzed By
SMORGAN
MROGERSON
GNITAJOUPPI
SMEDBURY
CKUTZER
BDIAMOND
MROGERSON
BDIAMOND
BBOWE
CWOODS
SMEDBURY
KAWONG
KAWONG
STALARICO
SMORGAN

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Sample Name: MW-5B VOA
Lab Code: R2207261-010
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/4/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW-20C
Lab Code: R2207261-011
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method**Extracted/Digested By****Analyzed By**

300.0		SMORGAN
350.1		MROGERSON
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	BDIAMOND
6010C	CDISTEFANO	CKUTZER
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-20C
Lab Code: R2207261-011.R01
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method
SM 2540 C-2015

Extracted/Digested By

Analyzed By
KAWONG

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Sample Name: MW-20C VOA
Lab Code: R2207261-012
Sample Matrix: Water

Date Collected: 08/3/22**Date Received:** 08/4/22**Analysis Method**

8260C

Extracted/Digested By**Analyzed By**

KRUEST

Sample Name: MW-21A
Lab Code: R2207261-013
Sample Matrix: Water

Date Collected: 08/4/22**Date Received:** 08/4/22**Analysis Method**

300.0

350.1

351.2

410.4

6010C

6010C

7196A

7470A

9066

Kelada-01

SM 2120 B-2001(2011)

SM 2320 B-1997(2011)

SM 2540 C-2015

SM 5210 B-2016

SM 5310 B-2014

Extracted/Digested By

SMORGAN

CDISTEFANO

CDISTEFANO

BDIAMOND

Analyzed By

SMORGAN

MROGERSON

MROGERSON

SMEDBURY

BDIAMOND

CKUTZER

MROGERSON

BDIAMOND

BBOWE

CWOODS

SMEDBURY

KAWONG

KWONG

STALARICO

SMORGAN

Sample Name: MW-21A
Lab Code: R2207261-013.R01
Sample Matrix: Water

Date Collected: 08/4/22**Date Received:** 08/4/22**Analysis Method**

SM 2540 C-2015

Extracted/Digested By**Analyzed By**

KAWONG

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Sample Name: MW-21A VOA
Lab Code: R2207261-014
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/4/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW-21C
Lab Code: R2207261-015
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method**Extracted/Digested By****Analyzed By**

300.0		SMORGAN
350.1		MROGERSON
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-21C
Lab Code: R2207261-015.R01
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method
SM 2540 C-2015

Extracted/Digested By

Analyzed By
KAWONG

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Sample Name: MW-21C VOA
Lab Code: R2207261-016
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/4/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: MW-22A
Lab Code: R2207261-017
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method**Extracted/Digested By****Analyzed By**

300.0		SMORGAN
350.1		MROGERSON
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-22A VOA
Lab Code: R2207261-018
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/4/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Sample Name: MW-22C
Lab Code: R2207261-019
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0	GNITAJOUPPI	SMORGAN
350.1		MROGERSON
351.2		GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A	BDIAMOND	MROGERSON
7470A		BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-22C VOA
Lab Code: R2207261-020
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: DUPE-Y
Lab Code: R2207261-021
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0	GNITAJOUPPI	SMORGAN
350.1		MROGERSON
351.2		GNITAJOUPPI
410.4		SMEDBURY

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207261

Sample Name: DUPE-Y
Lab Code: R2207261-021
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	BDIAMOND
6010C	CDISTEFANO	CKUTZER
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KAWONG
SM 2540 C-2015		KWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: DUPE-Y
Lab Code: R2207261-021.R01
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
SM 2540 C-2015		KAWONG

Sample Name: DUPE-Y VOA
Lab Code: R2207261-022
Sample Matrix: Water

Date Collected: 08/3/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC

Service Request: R2207261

Project: Auburn Landfill #1 - Baseline/554.026.018

Sample Name: Trip Blank

Date Collected: NA

Lab Code: R2207261-023

Date Received: 08/5/22

Sample Matrix: Water

Analysis Method

Extracted/Digested By

Analyzed By

8260C

KRUEST



INORGANIC PREPARATION METHODS

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

Water/Liquid Matrix

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

Solid/Soil/Non-Aqueous Matrix

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



Sample Results

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 13:44
Date Received: 08/04/22 16:35

Sample Name: MW-18AA VOA
Lab Code: R2207261-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 13:20	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 13:20	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 13:20	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 13:20	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 13:20	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 13:20	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 13:20	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 13:20	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 13:20	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 13:20	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 13:20	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 13:20	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 13:20	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 13:20	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 13:20	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 13:20	
Acetone	5.0 U	5.0	5.0	1	08/11/22 13:20	
Acrylonitrile	10 U	10	0.90	1	08/11/22 13:20	
Benzene	1.0 U	1.0	0.20	1	08/11/22 13:20	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 13:20	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 13:20	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 13:20	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 13:20	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/11/22 13:20	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 13:20	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 13:20	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 13:20	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 13:20	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 13:20	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 13:20	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 13:20	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 13:20	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 13:20	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 13:20	
Styrene	1.0 U	1.0	0.20	1	08/11/22 13:20	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 13:20	
Toluene	1.0 U	1.0	0.20	1	08/11/22 13:20	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 13:20	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 13:20	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 13:20	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 13:20	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 13:20	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 13:20	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 13:44
Date Received: 08/04/22 16:35

Sample Name: MW-18AA VOA
Lab Code: R2207261-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 13:20	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 13:20	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 13:20	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 13:20	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 13:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	08/11/22 13:20	
Dibromofluoromethane	105	80 - 116	08/11/22 13:20	
Toluene-d8	104	87 - 121	08/11/22 13:20	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 13:45
Date Received: 08/04/22 16:35

Sample Name: MW-18CC VOA
Lab Code: R2207261-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 13:42	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 13:42	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 13:42	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 13:42	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 13:42	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 13:42	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 13:42	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 13:42	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 13:42	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 13:42	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 13:42	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 13:42	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 13:42	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 13:42	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 13:42	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 13:42	
Acetone	5.0 U	5.0	5.0	1	08/11/22 13:42	
Acrylonitrile	10 U	10	0.90	1	08/11/22 13:42	
Benzene	1.0 U	1.0	0.20	1	08/11/22 13:42	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 13:42	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 13:42	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 13:42	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 13:42	
Carbon Disulfide	1.6	1.0	0.42	1	08/11/22 13:42	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 13:42	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 13:42	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 13:42	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 13:42	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 13:42	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 13:42	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 13:42	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 13:42	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 13:42	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 13:42	
Styrene	1.0 U	1.0	0.20	1	08/11/22 13:42	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 13:42	
Toluene	1.0 U	1.0	0.20	1	08/11/22 13:42	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 13:42	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 13:42	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 13:42	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 13:42	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 13:42	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 13:42	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 13:45
Date Received: 08/04/22 16:35

Sample Name: MW-18CC VOA
Lab Code: R2207261-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 13:42	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 13:42	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 13:42	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 13:42	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 13:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	08/11/22 13:42	
Dibromofluoromethane	105	80 - 116	08/11/22 13:42	
Toluene-d8	104	87 - 121	08/11/22 13:42	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 14:15
Date Received: 08/04/22 16:35

Sample Name: MW-19AA VOA
Lab Code: R2207261-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 14:04	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 14:04	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 14:04	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 14:04	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 14:04	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 14:04	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 14:04	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 14:04	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 14:04	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 14:04	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 14:04	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 14:04	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 14:04	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 14:04	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 14:04	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 14:04	
Acetone	5.0 U	5.0	5.0	1	08/11/22 14:04	
Acrylonitrile	10 U	10	0.90	1	08/11/22 14:04	
Benzene	1.0 U	1.0	0.20	1	08/11/22 14:04	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 14:04	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 14:04	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 14:04	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 14:04	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/11/22 14:04	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 14:04	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 14:04	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 14:04	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 14:04	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 14:04	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 14:04	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 14:04	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 14:04	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 14:04	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 14:04	
Styrene	1.0 U	1.0	0.20	1	08/11/22 14:04	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 14:04	
Toluene	1.0 U	1.0	0.20	1	08/11/22 14:04	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 14:04	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 14:04	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 14:04	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 14:04	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 14:04	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 14:04	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 14:15
Date Received: 08/04/22 16:35

Sample Name: MW-19AA VOA
Lab Code: R2207261-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 14:04	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 14:04	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 14:04	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 14:04	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 14:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	08/11/22 14:04	
Dibromofluoromethane	107	80 - 116	08/11/22 14:04	
Toluene-d8	105	87 - 121	08/11/22 14:04	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 14:28
Date Received: 08/04/22 16:35

Sample Name: MW-19CC VOA
Lab Code: R2207261-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 14:26	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 14:26	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 14:26	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 14:26	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 14:26	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 14:26	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 14:26	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 14:26	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 14:26	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 14:26	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 14:26	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 14:26	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 14:26	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 14:26	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 14:26	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 14:26	
Acetone	5.0 U	5.0	5.0	1	08/11/22 14:26	
Acrylonitrile	10 U	10	0.90	1	08/11/22 14:26	
Benzene	1.0 U	1.0	0.20	1	08/11/22 14:26	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 14:26	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 14:26	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 14:26	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 14:26	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/11/22 14:26	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 14:26	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 14:26	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 14:26	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 14:26	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 14:26	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 14:26	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 14:26	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 14:26	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 14:26	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 14:26	
Styrene	1.0 U	1.0	0.20	1	08/11/22 14:26	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 14:26	
Toluene	1.0 U	1.0	0.20	1	08/11/22 14:26	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 14:26	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 14:26	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 14:26	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 14:26	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 14:26	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 14:26	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 14:28
Date Received: 08/04/22 16:35

Sample Name: MW-19CC VOA
Lab Code: R2207261-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 14:26	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 14:26	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 14:26	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 14:26	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 14:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	08/11/22 14:26	
Dibromofluoromethane	104	80 - 116	08/11/22 14:26	
Toluene-d8	103	87 - 121	08/11/22 14:26	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 16:20
Date Received: 08/04/22 16:35

Sample Name: MW-5B VOA
Lab Code: R2207261-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 14:47	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 14:47	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 14:47	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 14:47	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 14:47	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 14:47	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 14:47	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 14:47	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 14:47	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 14:47	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 14:47	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 14:47	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 14:47	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 14:47	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 14:47	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 14:47	
Acetone	5.0 U	5.0	5.0	1	08/11/22 14:47	
Acrylonitrile	10 U	10	0.90	1	08/11/22 14:47	
Benzene	1.0 U	1.0	0.20	1	08/11/22 14:47	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 14:47	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 14:47	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 14:47	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 14:47	
Carbon Disulfide	1.4	1.0	0.42	1	08/11/22 14:47	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 14:47	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 14:47	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 14:47	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 14:47	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 14:47	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 14:47	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 14:47	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 14:47	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 14:47	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 14:47	
Styrene	1.0 U	1.0	0.20	1	08/11/22 14:47	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 14:47	
Toluene	1.0 U	1.0	0.20	1	08/11/22 14:47	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 14:47	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 14:47	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 14:47	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 14:47	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 14:47	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 14:47	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 16:20
Date Received: 08/04/22 16:35

Sample Name: MW-5B VOA
Lab Code: R2207261-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 14:47	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 14:47	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 14:47	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 14:47	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 14:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	08/11/22 14:47	
Dibromofluoromethane	106	80 - 116	08/11/22 14:47	
Toluene-d8	105	87 - 121	08/11/22 14:47	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 12:50
Date Received: 08/04/22 16:35

Sample Name: MW-20C VOA
Lab Code: R2207261-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 15:09	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 15:09	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 15:09	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 15:09	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 15:09	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 15:09	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 15:09	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 15:09	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 15:09	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 15:09	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 15:09	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 15:09	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 15:09	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 15:09	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 15:09	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 15:09	
Acetone	5.0 U	5.0	5.0	1	08/11/22 15:09	
Acrylonitrile	10 U	10	0.90	1	08/11/22 15:09	
Benzene	1.0 U	1.0	0.20	1	08/11/22 15:09	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 15:09	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 15:09	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 15:09	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 15:09	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/11/22 15:09	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 15:09	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 15:09	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 15:09	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 15:09	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 15:09	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 15:09	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 15:09	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 15:09	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 15:09	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 15:09	
Styrene	1.0 U	1.0	0.20	1	08/11/22 15:09	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 15:09	
Toluene	1.0 U	1.0	0.20	1	08/11/22 15:09	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 15:09	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 15:09	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 15:09	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 15:09	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 15:09	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 15:09	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 12:50
Date Received: 08/04/22 16:35

Sample Name: MW-20C VOA
Lab Code: R2207261-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 15:09	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 15:09	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 15:09	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 15:09	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 15:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	08/11/22 15:09	
Dibromofluoromethane	104	80 - 116	08/11/22 15:09	
Toluene-d8	104	87 - 121	08/11/22 15:09	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 15:15
Date Received: 08/04/22 16:35

Sample Name: MW-21A VOA
Lab Code: R2207261-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 15:31	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 15:31	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 15:31	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 15:31	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 15:31	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 15:31	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 15:31	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 15:31	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 15:31	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 15:31	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 15:31	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 15:31	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 15:31	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 15:31	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 15:31	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 15:31	
Acetone	5.0 U	5.0	5.0	1	08/11/22 15:31	
Acrylonitrile	10 U	10	0.90	1	08/11/22 15:31	
Benzene	1.0 U	1.0	0.20	1	08/11/22 15:31	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 15:31	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 15:31	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 15:31	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 15:31	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/11/22 15:31	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 15:31	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 15:31	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 15:31	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 15:31	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 15:31	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 15:31	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 15:31	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 15:31	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 15:31	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 15:31	
Styrene	1.0 U	1.0	0.20	1	08/11/22 15:31	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 15:31	
Toluene	1.0 U	1.0	0.20	1	08/11/22 15:31	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 15:31	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 15:31	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 15:31	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 15:31	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 15:31	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 15:31	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 15:15
Date Received: 08/04/22 16:35

Sample Name: MW-21A VOA
Lab Code: R2207261-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 15:31	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 15:31	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 15:31	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 15:31	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 15:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	08/11/22 15:31	
Dibromofluoromethane	104	80 - 116	08/11/22 15:31	
Toluene-d8	105	87 - 121	08/11/22 15:31	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 15:13
Date Received: 08/04/22 16:35

Sample Name: MW-21C VOA
Lab Code: R2207261-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 15:53	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 15:53	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 15:53	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 15:53	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 15:53	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 15:53	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 15:53	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 15:53	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 15:53	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 15:53	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 15:53	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 15:53	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 15:53	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 15:53	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 15:53	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 15:53	
Acetone	5.0 U	5.0	5.0	1	08/11/22 15:53	
Acrylonitrile	10 U	10	0.90	1	08/11/22 15:53	
Benzene	1.0 U	1.0	0.20	1	08/11/22 15:53	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 15:53	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 15:53	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 15:53	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 15:53	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/11/22 15:53	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 15:53	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 15:53	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 15:53	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 15:53	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 15:53	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 15:53	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 15:53	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 15:53	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 15:53	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 15:53	
Styrene	1.0 U	1.0	0.20	1	08/11/22 15:53	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 15:53	
Toluene	1.0 U	1.0	0.20	1	08/11/22 15:53	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 15:53	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 15:53	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 15:53	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 15:53	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 15:53	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 15:53	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 15:13
Date Received: 08/04/22 16:35

Sample Name: MW-21C VOA
Lab Code: R2207261-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 15:53	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 15:53	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 15:53	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 15:53	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 15:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	08/11/22 15:53	
Dibromofluoromethane	104	80 - 116	08/11/22 15:53	
Toluene-d8	105	87 - 121	08/11/22 15:53	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 15:32
Date Received: 08/04/22 16:35

Sample Name: MW-22A VOA
Lab Code: R2207261-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 16:15	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 16:15	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 16:15	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 16:15	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 16:15	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 16:15	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 16:15	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 16:15	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 16:15	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 16:15	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 16:15	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 16:15	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 16:15	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 16:15	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 16:15	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 16:15	
Acetone	8.1	5.0	5.0	1	08/11/22 16:15	
Acrylonitrile	10 U	10	0.90	1	08/11/22 16:15	
Benzene	1.0 U	1.0	0.20	1	08/11/22 16:15	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 16:15	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 16:15	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 16:15	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 16:15	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/11/22 16:15	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 16:15	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 16:15	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 16:15	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 16:15	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 16:15	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 16:15	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 16:15	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 16:15	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 16:15	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 16:15	
Styrene	1.0 U	1.0	0.20	1	08/11/22 16:15	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 16:15	
Toluene	1.0 U	1.0	0.20	1	08/11/22 16:15	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 16:15	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 16:15	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 16:15	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 16:15	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 16:15	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 16:15	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 15:32
Date Received: 08/04/22 16:35

Sample Name: MW-22A VOA
Lab Code: R2207261-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 16:15	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 16:15	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 16:15	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 16:15	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 16:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	08/11/22 16:15	
Dibromofluoromethane	108	80 - 116	08/11/22 16:15	
Toluene-d8	106	87 - 121	08/11/22 16:15	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 15:30
Date Received: 08/04/22 16:35

Sample Name: MW-22C VOA
Lab Code: R2207261-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 16:36	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 16:36	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 16:36	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 16:36	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 16:36	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 16:36	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 16:36	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 16:36	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 16:36	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 16:36	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 16:36	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 16:36	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 16:36	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 16:36	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 16:36	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 16:36	
Acetone	5.0 U	5.0	5.0	1	08/11/22 16:36	
Acrylonitrile	10 U	10	0.90	1	08/11/22 16:36	
Benzene	1.0 U	1.0	0.20	1	08/11/22 16:36	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 16:36	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 16:36	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 16:36	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 16:36	
Carbon Disulfide	2.5	1.0	0.42	1	08/11/22 16:36	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 16:36	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 16:36	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 16:36	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 16:36	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 16:36	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 16:36	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 16:36	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 16:36	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 16:36	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 16:36	
Styrene	1.0 U	1.0	0.20	1	08/11/22 16:36	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 16:36	
Toluene	1.0 U	1.0	0.20	1	08/11/22 16:36	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 16:36	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 16:36	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 16:36	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 16:36	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 16:36	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 16:36	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 15:30
Date Received: 08/04/22 16:35

Sample Name: MW-22C VOA
Lab Code: R2207261-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 16:36	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 16:36	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 16:36	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 16:36	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 16:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	08/11/22 16:36	
Dibromofluoromethane	105	80 - 116	08/11/22 16:36	
Toluene-d8	105	87 - 121	08/11/22 16:36	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 13:45
Date Received: 08/04/22 16:35

Sample Name: DUPE-Y VOA
Lab Code: R2207261-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 16:58	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 16:58	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 16:58	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 16:58	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 16:58	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 16:58	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 16:58	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 16:58	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 16:58	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 16:58	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 16:58	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 16:58	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 16:58	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 16:58	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 16:58	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 16:58	
Acetone	5.0 U	5.0	5.0	1	08/11/22 16:58	
Acrylonitrile	10 U	10	0.90	1	08/11/22 16:58	
Benzene	1.0 U	1.0	0.20	1	08/11/22 16:58	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 16:58	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 16:58	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 16:58	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 16:58	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/11/22 16:58	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 16:58	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 16:58	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 16:58	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 16:58	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 16:58	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 16:58	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 16:58	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 16:58	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 16:58	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 16:58	
Styrene	1.0 U	1.0	0.20	1	08/11/22 16:58	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 16:58	
Toluene	1.0 U	1.0	0.20	1	08/11/22 16:58	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 16:58	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 16:58	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 16:58	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 16:58	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 16:58	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 16:58	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22 13:45
Date Received: 08/04/22 16:35

Sample Name: DUPE-Y VOA
Lab Code: R2207261-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 16:58	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 16:58	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 16:58	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 16:58	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 16:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	08/11/22 16:58	
Dibromofluoromethane	106	80 - 116	08/11/22 16:58	
Toluene-d8	105	87 - 121	08/11/22 16:58	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: NA
Date Received: 08/05/22 08:52

Sample Name: Trip Blank
Lab Code: R2207261-023

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 12:58	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 12:58	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 12:58	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 12:58	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 12:58	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 12:58	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 12:58	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 12:58	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 12:58	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 12:58	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 12:58	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 12:58	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 12:58	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 12:58	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 12:58	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 12:58	
Acetone	5.0 U	5.0	5.0	1	08/11/22 12:58	
Acrylonitrile	10 U	10	0.90	1	08/11/22 12:58	
Benzene	1.0 U	1.0	0.20	1	08/11/22 12:58	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 12:58	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 12:58	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 12:58	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 12:58	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/11/22 12:58	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 12:58	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 12:58	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 12:58	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 12:58	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 12:58	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 12:58	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 12:58	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 12:58	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 12:58	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 12:58	
Styrene	1.0 U	1.0	0.20	1	08/11/22 12:58	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 12:58	
Toluene	1.0 U	1.0	0.20	1	08/11/22 12:58	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 12:58	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 12:58	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 12:58	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 12:58	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 12:58	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 12:58	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: NA
Date Received: 08/05/22 08:52

Sample Name: Trip Blank
Lab Code: R2207261-023

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 12:58	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 12:58	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 12:58	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 12:58	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 12:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	08/11/22 12:58	
Dibromofluoromethane	107	80 - 116	08/11/22 12:58	
Toluene-d8	108	87 - 121	08/11/22 12:58	



Metals

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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Form 1

Inorganic Analysis Data Sheet

Metals by EPA 6010C Mercury by EPA 7470A

Workorder

R2207261

Client

Barton & Loguidice, PC

Project

Auburn Landfill #1 - Baseline

08/31/2022

ALS Environmental–Rochester Laboratory

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Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-001			Collected		Received	Matrix	Units	Prep Method	Prep Amount	
MW-18AA			08/04/22 0905		08/04/22 1635	Water	ug/L	3005A/3010A, Method	Initial 50mL	Final 50mL
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	860		30	100	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	52		6	10	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	13	J	3	20	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	220		20	200	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	4440		70	100	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	85500		30	1000	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	149		4	10	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	2300		400	2000	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	18700		200	1000	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Thallium, Total	P	10	J	7	10	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	13	J	3	20	1	08/16/22 22:47	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 12:22	RCVAA02_77468		08/17/22
Calcium, Total	P	362000		3000	10000	10	08/19/22 16:59	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-003			Collected		Received	Matrix	Units	Prep Method	Prep Amount	
MW-18CC			08/04/22 0855		08/04/22 1635	Water	ug/L	3005A/3010A, Method	Initial 50mL	Final 50mL
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	310		30	100	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	15	J	3	20	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	140	J	20	200	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	510		70	100	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	69600		30	1000	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	14		4	10	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	1600	J	400	2000	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	14000		200	1000	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Thallium, Total	P	9	J	7	10	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	14	J	3	20	1	08/16/22 22:50	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 12:24	RCVAA02_77468		08/17/22
Calcium, Total	P	436000		3000	10000	10	08/19/22 17:02	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-005 MW-19AA				Collected 08/04/22 0935	Received 08/04/22 1635	Matrix Water	Units ug/L	Prep Method 3005A/3010A, Method	Prep Amount Initial 50mL Final 50mL	
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	470		30	100	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	8	J	6	10	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	12	J	3	20	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	220		20	200	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	840		70	100	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	107000		30	1000	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	112		4	10	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	2000		400	2000	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	31100		200	1000	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Thallium, Total	P	9	J	7	10	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	6	J	3	20	1	08/16/22 23:06	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 10:21	RCVAA02_77468		08/17/22
Calcium, Total	P	334000		3000	10000	10	08/19/22 17:18	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-007
MW-19CC

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/04/22 0925	08/04/22 1635	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	100	U	30	100	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	8	J	3	20	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	140	J	20	200	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	1000		70	100	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	120000		30	1000	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	52		4	10	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	1400	J	400	2000	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	4900		200	1000	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Thallium, Total	P	9	J	7	10	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	11	J	3	20	1	08/16/22 23:09	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 10:27	RCVAA02_77468		08/17/22
Calcium, Total	P	420000		3000	10000	10	08/19/22 17:21	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-009

MW-5B

Collected 08/04/22 1220	Received 08/04/22 1635	Matrix Water	Units ug/L	Prep Method 3005A/3010A, Method	Prep Amount Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	390		30	100	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	77		6	10	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	17	J	3	20	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	390		20	200	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	1	J	0.9	50	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	1230		70	100	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	113000		30	1000	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	75		4	10	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	13	J	3	40	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	5100		400	2000	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	0.6	J	0.6	10	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	92000		200	1000	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Thallium, Total	P	10	J	7	10	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	29		3	20	1	08/16/22 23:19	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 10:29	RCVAA02_77468		08/17/22
Calcium, Total	P	357000		3000	10000	10	08/19/22 17:30	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-011

MW-20C

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/04/22 0955	08/04/22 1635	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	70	J	30	100	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	8	J	3	20	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	160	J	20	200	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	810		70	100	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	141000		30	1000	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	29		4	10	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	1800	J	400	2000	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	11400		200	1000	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Thallium, Total	P	9	J	7	10	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	5	J	3	20	1	08/16/22 23:22	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	1.0	U	0.4	1.0	1	08/19/22 10:31	RCVAA02_77468		08/17/22
Calcium, Total	P	411000		3000	10000	10	08/19/22 17:33	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-013 MW-21A				Collected 08/04/22 1020	Received 08/04/22 1635	Matrix Water	Units ug/L	Prep Method 3005A/3010A, Method	Prep Amount Initial 50mL Final 50mL	
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	170		30	100	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	8	J	3	20	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	140	J	20	200	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	740		70	100	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	131000		30	1000	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	60		4	10	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	2600		400	2000	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	10000		200	1000	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	3	J	3	20	1	08/16/22 23:26	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 10:37	RCVAA02_77468		08/17/22
Thallium, Total	P	16		7	10	1	08/19/22 17:42	RPAES06_774773	6AUG19	08/11/22
Calcium, Total	P	512000		3000	10000	10	08/19/22 17:51	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-015

MW-21C

Collected 08/04/22 1015	Received 08/04/22 1635	Matrix Water	Units ug/L	Prep Method 3005A/3010A, Method	Prep Amount Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	2120		30	100	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	20		3	20	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	0.2	J	0.2	3.0	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	160	J	20	200	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	3	J	2	10	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	9180		70	100	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	151000		30	1000	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	79		4	10	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	2500		400	2000	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	7000		200	1000	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	4	J	0.7	50	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	37		3	20	1	08/16/22 23:29	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	1.0	U	0.4	1.0	1	08/19/22 10:39	RCVAA02_77468		08/17/22
Thallium, Total	P	7	J	7	10	1	08/19/22 17:45	RPAES06_774773	6AUG19	08/11/22
Calcium, Total	P	486000		3000	10000	10	08/19/22 17:54	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-017

MW-22A

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/04/22 1202	08/04/22 1635	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	120		30	100	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	497		3	20	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	2000		20	200	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Calcium, Total	P	87800		300	1000	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	3	J	2	10	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	7	J	0.9	50	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	3640		70	100	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	167000		30	1000	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	6	J	4	10	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	28	J	3	40	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	2	J	0.7	50	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	5	J	3	20	1	08/16/22 23:32	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 10:41	RCVAA02_77468		08/17/22
Thallium, Total	P	17		7	10	1	08/19/22 17:48	RPAES06_774773	6AUG19	08/11/22
Potassium, Total	P	187000		4000	20000	10	08/19/22 17:58	RPAES06_774773	6AUG19	08/11/22
Sodium, Total	P	626000		2000	10000	10	08/19/22 17:58	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-019

MW-22C

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/04/22 1210	08/04/22 1635	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	100	U	30	100	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	14	J	3	20	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	160	J	20	200	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	550		70	100	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	77900		30	1000	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	15		4	10	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	1700	J	400	2000	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	15300		200	1000	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Thallium, Total	P	10	J	7	10	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	3	J	3	20	1	08/16/22 23:35	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	1.0	U	0.4	1.0	1	08/19/22 10:43	RCVAA02_77468		08/17/22
Calcium, Total	P	474000		3000	10000	10	08/19/22 17:36	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-021

DUPE-Y

Collected 08/04/22 0855
Received 08/04/22 1635
Matrix Water
Units ug/L
Prep Method 3005A/3010A, Method
Prep Amount Initial 50mL
 Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	100	U	30	100	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	8	J	3	20	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	140	J	20	200	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	250		70	100	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	119000		30	1000	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	38		4	10	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	1400	J	400	2000	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	4900		200	1000	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Thallium, Total	P	8	J	7	10	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	5	J	3	20	1	08/16/22 23:39	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 10:45	RCVAA02_77468		08/17/22
Calcium, Total	P	423000		3000	10000	10	08/19/22 17:39	RPAES06_774773	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C, Mercury by EPA 7470A

R2207261-MB1

Method Blank

Matrix Water
Units ug/L
Prep Method 3005A/3010A, Method
Prep Amount Initial 50mL
 Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	100	U	30	100	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Barium, Total	P	20	U	3	20	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Boron, Total	P	200	U	20	200	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Calcium, Total	P	1000	U	300	1000	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Iron, Total	P	100	U	70	100	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Magnesium, Total	P	1000	U	30	1000	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Manganese, Total	P	10	U	4	10	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Potassium, Total	P	2000	U	400	2000	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Sodium, Total	P	1000	U	200	1000	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Thallium, Total	P	10	U	7	10	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Zinc, Total	P	20	U	3	20	1	08/16/22 22:40	RPAES06_774396	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 10:15	RCVAA02_77468		08/17/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Mercury by EPA 7470A

R2207261-MB2

Method Blank

Matrix	Units	Prep Method	Prep Amount
Water	ug/L	3005A/3010A, Method	Initial 25mL Final 25mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 11:30	RCVAA02_77468		08/17/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



General Chemistry

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-18AA
Lab Code: R2207261-001

Service Request: R2207261
Date Collected: 08/04/22 09:05
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	126	mg/L	2.0	1	08/10/22 11:45	NA	
Ammonia as Nitrogen, undistilled	350.1	0.159	mg/L	0.050	1	08/12/22 20:12	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 09:08	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 09:25	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 11:04	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	4.7	mg/L	2.0	10	08/05/22 09:25	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:51	NA	
Color	SM 2120 B-2001(2011)	4.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 00:29	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	1260	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 09:25	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/16/22 12:58	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.40	pH Units	-	1	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 15:44	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1760	mg/L	23	1	08/10/22 16:10	NA	
Sulfate	300.0	1090	mg/L	40	200	08/16/22 07:03	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-18CC
Lab Code: R2207261-003

Service Request: R2207261
Date Collected: 08/04/22 08:55
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	223	mg/L	2.0	1	08/10/22 11:52	NA	
Ammonia as Nitrogen, undistilled	350.1	0.074	mg/L	0.050	1	08/12/22 20:13	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 09:10	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 09:31	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.4	mg/L	1.0	1	08/17/22 11:14	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	30.7	mg/L	2.0	10	08/05/22 09:31	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:53	NA	
Color	SM 2120 B-2001(2011)	5.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 01:21	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	1380	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 09:31	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.26	mg/L	0.20	1	08/16/22 12:59	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.23	pH Units	-	1	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 16:04	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1830	mg/L	25	1	08/10/22 16:10	NA	
Sulfate	300.0	1090	mg/L	40	200	08/16/22 07:09	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-19AA
Lab Code: R2207261-005

Service Request: R2207261
Date Collected: 08/04/22 09:35
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	88.8	mg/L	2.0	1	08/10/22 12:05	NA	
Ammonia as Nitrogen, undistilled	350.1	0.305	mg/L	0.050	1	08/12/22 20:16	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 09:12	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 09:50	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 11:48	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	2.7	mg/L	2.0	10	08/05/22 09:50	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:53	NA	
Color	SM 2120 B-2001(2011)	4.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 00:33	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	1280	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 09:50	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.38	mg/L	0.20	1	08/16/22 13:02	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.54	pH Units	-	1	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 16:16	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1810	mg/L	23	1	08/10/22 16:10	NA	
Sulfate	300.0	1170	mg/L	40	200	08/16/22 07:28	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-19CC
Lab Code: R2207261-007

Service Request: R2207261
Date Collected: 08/04/22 09:25
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	147	mg/L	2.0	1	08/10/22 14:49	NA	
Ammonia as Nitrogen, undistilled	350.1	0.094	mg/L	0.050	1	08/12/22 20:18	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 09:06	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 09:56	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 11:57	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	5.2	mg/L	2.0	10	08/05/22 09:56	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:54	NA	
Color	SM 2120 B-2001(2011)	5.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 00:37	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	1540	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 09:56	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/16/22 13:03	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.35	pH Units	-	1	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 16:20	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2090	mg/L	11	1	08/11/22 12:00	NA	
Sulfate	300.0	1270	mg/L	40	200	08/16/22 07:34	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-5B
Lab Code: R2207261-009

Service Request: R2207261
Date Collected: 08/04/22 12:20
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	255	mg/L	2.0	1	08/10/22 14:56	NA	
Ammonia as Nitrogen, undistilled	350.1	0.927	mg/L	0.050	1	08/12/22 20:19	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.2	mg/L	2.0	1	08/05/22 09:03	NA	
Bromide	300.0	3.3	mg/L	1.0	10	08/05/22 10:02	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	10.6	mg/L	1.0	1	08/17/22 12:08	NA	
Chemical Oxygen Demand, Total	410.4	27.7	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	217	mg/L	20	100	08/15/22 14:51	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:54	NA	
Color	SM 2120 B-2001(2011)	5.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 00:41	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1360	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 10:02	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	2.56	mg/L	0.20	1	08/16/22 13:05	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.38	pH Units	-	1	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 16:24	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2050	mg/L	11	1	08/11/22 12:00	NA	
Sulfate	300.0	910	mg/L	40	200	08/16/22 07:41	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-20C
Lab Code: R2207261-011

Service Request: R2207261
Date Collected: 08/04/22 09:55
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	134	mg/L	2.0	1	08/10/22 15:02	NA	
Ammonia as Nitrogen, undistilled	350.1	0.149	mg/L	0.050	1	08/12/22 20:20	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 09:05	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 10:34	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 12:19	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	2.3	mg/L	2.0	10	08/05/22 10:34	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:55	NA	
Color	SM 2120 B-2001(2011)	25.0	ColorUnits	5.0	5	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 00:45	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1610	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 10:34	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.33	mg/L	0.20	1	08/16/22 13:06	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.52	pH Units	-	5	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 16:28	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2230	mg/L	10	1	08/11/22 12:00	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2220	mg/L	25	1	08/19/22 13:20	NA	*
Sulfate	300.0	1340	mg/L	40	200	08/16/22 06:32	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: MW-21A
Lab Code: R2207261-013

Service Request: R2207261
Date Collected: 08/04/22 10:20
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	112	mg/L	2.0	1	08/10/22 15:09	NA	
Ammonia as Nitrogen, undistilled	350.1	0.056	mg/L	0.050	1	08/12/22 20:21	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 08:39	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 10:40	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 13:03	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	2.9	mg/L	2.0	10	08/05/22 10:40	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:56	NA	
Color	SM 2120 B-2001(2011)	4.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 00:49	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1820	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 10:40	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/19/22 18:26	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.45	pH Units	-	1	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 16:32	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2500	mg/L	11	1	08/11/22 12:00	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2520	mg/L	25	1	08/19/22 13:20	NA	*
Sulfate	300.0	1550	mg/L	40	200	08/16/22 06:57	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-21C
Lab Code: R2207261-015

Service Request: R2207261
Date Collected: 08/04/22 10:15
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	142	mg/L	2.0	1	08/10/22 15:15	NA	
Ammonia as Nitrogen, undistilled	350.1	0.113	mg/L	0.050	1	08/12/22 20:24	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 09:01	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 10:46	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 13:15	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	4.8	mg/L	2.0	10	08/05/22 10:46	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:58	NA	
Color	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 00:53	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1830	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 10:46	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	mg/L	0.20	1	08/16/22 13:08	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.34	pH Units	-	1	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 16:36	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2240	mg/L	11	1	08/11/22 12:00	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2240	mg/L	25	1	08/19/22 13:20	NA	*
Sulfate	300.0	1320	mg/L	40	200	08/15/22 15:10	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-22A
Lab Code: R2207261-017

Service Request: R2207261
Date Collected: 08/04/22 12:02
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	1940	mg/L	6.0	3	08/10/22 17:11	NA	
Ammonia as Nitrogen, undistilled	350.1	312	mg/L	25	500	08/12/22 21:26	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	24.5	mg/L	2.0	1	08/05/22 09:07	NA	
Bromide	300.0	13.6	mg/L	1.0	10	08/05/22 10:53	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	108	mg/L	2.0	2	08/19/22 14:27	NA	
Chemical Oxygen Demand, Total	410.4	557	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	1190	mg/L	40	200	08/15/22 15:29	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:58	NA	
Color	SM 2120 B-2001(2011)	35.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0057	mg/L	0.0050	1	08/11/22 01:13	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	907	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 10:53	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	301	mg/L	20	100	08/16/22 13:09	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.01	pH Units	-	1	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 23:28	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2900	mg/L	50	1	08/11/22 12:00	NA	
Sulfate	300.0	90.5	mg/L	4.0	20	08/15/22 15:35	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-22C
Lab Code: R2207261-019

Service Request: R2207261
Date Collected: 08/04/22 12:10
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	225	mg/L	2.0	1	08/10/22 15:29	NA	
Ammonia as Nitrogen, undistilled	350.1	0.122	mg/L	0.050	1	08/12/22 21:27	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	3.0	mg/L	2.0	1	08/05/22 09:04	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 10:59	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.5	mg/L	1.0	1	08/17/22 13:37	NA	
Chemical Oxygen Demand, Total	410.4	19.3	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	32.0	mg/L	2.0	10	08/05/22 10:59	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:59	NA	
Color	SM 2120 B-2001(2011)	4.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 01:33	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1500	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 10:59	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.44	mg/L	0.20	1	08/16/22 13:10	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.27	pH Units	-	1	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 17:00	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2040	mg/L	11	1	08/11/22 12:00	NA	
Sulfate	300.0	1180	mg/L	40	200	08/16/22 07:47	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: DUPE-Y
Lab Code: R2207261-021

Service Request: R2207261
Date Collected: 08/04/22 08:55
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	146	mg/L	2.0	1	08/10/22 15:35	NA	
Ammonia as Nitrogen, undistilled	350.1	0.091	mg/L	0.050	1	08/12/22 20:28	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 09:04	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 11:05	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 13:47	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	5.5	mg/L	2.0	10	08/05/22 11:05	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:59	NA	
Color	SM 2120 B-2001(2011)	4.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 01:37	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1550	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 11:05	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.22	mg/L	0.20	1	08/16/22 13:11	08/15/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.40	pH Units	-	1	08/05/22 16:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 17:04	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2050	mg/L	10	1	08/11/22 12:00	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2100	mg/L	25	1	08/19/22 13:20	NA	*
Sulfate	300.0	1220	mg/L	40	200	08/15/22 16:06	NA	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	80-116	87-121
MW-18AA VOA	R2207261-002	104	105	104
MW-18CC VOA	R2207261-004	101	105	104
MW-19AA VOA	R2207261-006	102	107	105
MW-19CC VOA	R2207261-008	103	104	103
MW-5B VOA	R2207261-010	102	106	105
MW-20C VOA	R2207261-012	102	104	104
MW-21A VOA	R2207261-014	103	104	105
MW-21C VOA	R2207261-016	102	104	105
MW-22A VOA	R2207261-018	103	108	106
MW-22C VOA	R2207261-020	102	105	105
DUPE-Y VOA	R2207261-022	105	106	105
Trip Blank	R2207261-023	104	107	108
Method Blank	RQ2209506-04	102	104	105
Lab Control Sample	RQ2209506-03	107	107	105
MW-18CC VOA MS	RQ2209506-05	107	106	105
MW-18CC VOA DMS	RQ2209506-06	108	111	106

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22
Date Received: 08/04/22
Date Analyzed: 08/11/22
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-18CC VOA
Lab Code: R2207261-004
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ2209506-05				Duplicate Matrix Spike RQ2209506-06				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
1,1,1,2-Tetrachloroethane	1.0 U	50.7	50.0	101	52.6	50.0	105	68-146	4	30
1,1,1-Trichloroethane (TCA)	1.0 U	54.6	50.0	109	54.7	50.0	109	74-127	<1	30
1,1,2,2-Tetrachloroethane	1.0 U	44.6	50.0	89	46.6	50.0	93	72-122	4	30
1,1,2-Trichloroethane	1.0 U	48.4	50.0	97	48.1	50.0	96	82-121	<1	30
1,1-Dichloroethane (1,1-DCA)	1.0 U	52.1	50.0	104	52.0	50.0	104	74-132	<1	30
1,1-Dichloroethene (1,1-DCE)	1.0 U	56.0	50.0	112	53.9	50.0	108	71-118	4	30
1,2,3-Trichloropropane	1.0 U	45.8	50.0	92	46.1	50.0	92	75-122	<1	30
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	45.7	50.0	91	46.3	50.0	93	37-150	1	30
1,2-Dibromoethane	1.0 U	50.1	50.0	100	49.6	50.0	99	67-127	<1	30
1,2-Dichlorobenzene	1.0 U	48.9	50.0	98	49.9	50.0	100	77-120	2	30
1,2-Dichloroethane	1.0 U	50.8	50.0	102	51.1	50.0	102	68-130	<1	30
1,2-Dichloropropane	1.0 U	49.2	50.0	98	49.1	50.0	98	79-124	<1	30
1,4-Dichlorobenzene	1.0 U	48.2	50.0	96	50.2	50.0	100	82-120	4	30
2-Butanone (MEK)	5.0 U	48.8	50.0	98	45.6	50.0	91	61-137	7	30
2-Hexanone	5.0 U	49.8	50.0	100	47.5	50.0	95	56-132	5	30
4-Methyl-2-pentanone	5.0 U	48.2	50.0	96	47.2	50.0	94	60-141	2	30
Acetone	5.0 U	58.4	50.0	117	56.4	50.0	113	35-183	4	30
Acrylonitrile	10 U	256	250	102	243	250	97	69-131	5	30
Benzene	1.0 U	49.9	50.0	100	50.5	50.0	101	76-129	1	30
Bromochloromethane	1.0 U	51.3	50.0	103	51.0	50.0	102	80-122	<1	30
Bromodichloromethane	1.0 U	50.7	50.0	101	52.6	50.0	105	78-133	4	30
Bromoform	1.0 U	47.5	50.0	95	49.8	50.0	100	58-133	5	30
Bromomethane	1.0 U	26.9	50.0	54	26.0	50.0	52	10-184	3	30
Carbon Disulfide	1.6	50.2	50.0	97	48.7	50.0	94	59-140	3	30
Carbon Tetrachloride	1.0 U	50.3	50.0	101	52.1	50.0	104	65-135	4	30
Chlorobenzene	1.0 U	48.4	50.0	97	49.3	50.0	99	76-125	2	30
Chloroethane	1.0 U	45.1	50.0	90	46.3	50.0	93	48-146	3	30
Chloroform	1.0 U	52.5	50.0	105	51.7	50.0	103	75-130	2	30
Chloromethane	1.0 U	45.0	50.0	90	42.7	50.0	85	55-160	5	30
Dibromochloromethane	1.0 U	49.7	50.0	99	51.3	50.0	103	72-128	3	30
Dibromomethane	1.0 U	53.6	50.0	107	51.0	50.0	102	77-119	5	30
Methylene Chloride	1.0 U	49.9	50.0	100	47.7	50.0	95	73-122	4	30
Ethylbenzene	1.0 U	49.3	50.0	99	49.6	50.0	99	72-134	<1	30

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

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

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

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

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/03/22
Date Received: 08/04/22
Date Analyzed: 08/11/22
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-18CC VOA
Lab Code: R2207261-004
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ2209506-05				Duplicate Matrix Spike RQ2209506-06				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Iodomethane	5.0 U	50.1	50.0	100	50.9	50.0	102	18-160	2	30
Styrene	1.0 U	51.7	50.0	103	52.3	50.0	105	74-136	1	30
Tetrachloroethene (PCE)	1.0 U	49.6	50.0	99	50.5	50.0	101	72-125	2	30
Toluene	1.0 U	50.5	50.0	101	50.9	50.0	102	79-119	<1	30
Trichloroethene (TCE)	1.0 U	50.0	50.0	100	50.9	50.0	102	74-122	2	30
Trichlorofluoromethane (CFC 11)	1.0 U	53.5	50.0	107	52.1	50.0	104	71-136	3	30
Vinyl Acetate	2.0 U	43.5	50.0	87	44.1	50.0	88	48-172	1	30
Vinyl Chloride	1.0 U	43.6	50.0	87	42.5	50.0	85	74-159	2	30
cis-1,2-Dichloroethene	1.0 U	51.8	50.0	104	50.7	50.0	101	77-127	2	30
cis-1,3-Dichloropropene	1.0 U	50.0	50.0	100	51.6	50.0	103	52-134	3	30
m,p-Xylenes	2.0 U	102	100	102	103	100	103	80-126	1	30
o-Xylene	1.0 U	51.2	50.0	102	51.3	50.0	103	79-123	<1	30
trans-1,2-Dichloroethene	1.0 U	52.3	50.0	105	51.0	50.0	102	73-118	2	30
trans-1,3-Dichloropropene	1.0 U	50.5	50.0	101	51.9	50.0	104	71-133	3	30
trans-1,4-Dichloro-2-butene	1.0 U	26.9	50.0	54	21.4	50.0	43	27-155	23	30

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

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

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

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

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2209506-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 12:14	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/11/22 12:14	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/11/22 12:14	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/11/22 12:14	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/11/22 12:14	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/11/22 12:14	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/11/22 12:14	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/11/22 12:14	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/11/22 12:14	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 12:14	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/11/22 12:14	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/11/22 12:14	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/11/22 12:14	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/11/22 12:14	
2-Hexanone	5.0 U	5.0	0.20	1	08/11/22 12:14	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/11/22 12:14	
Acetone	5.0 U	5.0	5.0	1	08/11/22 12:14	
Acrylonitrile	10 U	10	0.90	1	08/11/22 12:14	
Benzene	1.0 U	1.0	0.20	1	08/11/22 12:14	
Bromochloromethane	1.0 U	1.0	0.20	1	08/11/22 12:14	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/11/22 12:14	
Bromoform	1.0 U	1.0	0.25	1	08/11/22 12:14	
Bromomethane	1.0 U	1.0	0.70	1	08/11/22 12:14	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/11/22 12:14	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/11/22 12:14	
Chlorobenzene	1.0 U	1.0	0.20	1	08/11/22 12:14	
Chloroethane	1.0 U	1.0	0.23	1	08/11/22 12:14	
Chloroform	1.0 U	1.0	0.24	1	08/11/22 12:14	
Chloromethane	1.0 U	1.0	0.28	1	08/11/22 12:14	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/11/22 12:14	
Dibromomethane	1.0 U	1.0	0.20	1	08/11/22 12:14	
Methylene Chloride	1.0 U	1.0	0.65	1	08/11/22 12:14	
Ethylbenzene	1.0 U	1.0	0.20	1	08/11/22 12:14	
Iodomethane	5.0 U	5.0	4.3	1	08/11/22 12:14	
Styrene	1.0 U	1.0	0.20	1	08/11/22 12:14	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/11/22 12:14	
Toluene	1.0 U	1.0	0.20	1	08/11/22 12:14	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/11/22 12:14	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/11/22 12:14	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/11/22 12:14	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/11/22 12:14	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/11/22 12:14	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/11/22 12:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2209506-04

Service Request: R2207261
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/11/22 12:14	
o-Xylene	1.0 U	1.0	0.20	1	08/11/22 12:14	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/11/22 12:14	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/11/22 12:14	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/11/22 12:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	08/11/22 12:14	
Dibromofluoromethane	104	80 - 116	08/11/22 12:14	
Toluene-d8	105	87 - 121	08/11/22 12:14	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Analyzed: 08/11/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2209506-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	18.7	20.0	94	76-129
1,1,1-Trichloroethane (TCA)	8260C	19.0	20.0	95	75-125
1,1,2,2-Tetrachloroethane	8260C	17.6	20.0	88	78-126
1,1,2-Trichloroethane	8260C	18.4	20.0	92	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	18.5	20.0	92	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.7	20.0	98	71-118
1,2,3-Trichloropropane	8260C	18.6	20.0	93	75-118
1,2-Dibromo-3-chloropropane (DBCP)	8260C	15.4	20.0	77	55-136
1,2-Dibromoethane	8260C	19.7	20.0	99	82-127
1,2-Dichlorobenzene	8260C	19.5	20.0	98	80-119
1,2-Dichloroethane	8260C	19.7	20.0	99	71-127
1,2-Dichloropropane	8260C	18.0	20.0	90	80-119
1,4-Dichlorobenzene	8260C	19.1	20.0	96	79-119
2-Butanone (MEK)	8260C	17.1	20.0	86	61-137
2-Hexanone	8260C	17.6	20.0	88	63-124
4-Methyl-2-pentanone	8260C	18.0	20.0	90	66-124
Acetone	8260C	20.5	20.0	102	40-161
Acrylonitrile	8260C	94.5	100	94	71-130
Benzene	8260C	18.3	20.0	92	79-119
Bromochloromethane	8260C	19.5	20.0	97	81-126
Bromodichloromethane	8260C	18.9	20.0	94	81-123
Bromoform	8260C	18.6	20.0	93	65-146
Bromomethane	8260C	20.2	20.0	101	42-166
Carbon Disulfide	8260C	18.4	20.0	92	66-128
Carbon Tetrachloride	8260C	17.1	20.0	85	70-127
Chlorobenzene	8260C	18.3	20.0	92	80-121
Chloroethane	8260C	15.7	20.0	78	62-131
Chloroform	8260C	19.5	20.0	98	79-120
Chloromethane	8260C	16.1	20.0	81	65-135
Dibromochloromethane	8260C	19.2	20.0	96	72-128
Dibromomethane	8260C	19.9	20.0	100	80-118
Methylene Chloride	8260C	17.7	20.0	89	73-122
Ethylbenzene	8260C	17.9	20.0	89	76-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Analyzed: 08/11/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2209506-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iodomethane	8260C	17.3	20.0	86	18-160
Styrene	8260C	19.6	20.0	98	80-124
Tetrachloroethene (PCE)	8260C	18.8	20.0	94	72-125
Toluene	8260C	18.2	20.0	91	79-119
Trichloroethene (TCE)	8260C	18.4	20.0	92	74-122
Trichlorofluoromethane (CFC 11)	8260C	18.8	20.0	94	71-136
Vinyl Acetate	8260C	17.5	20.0	87	52-174
Vinyl Chloride	8260C	14.8	20.0	74	74-159
cis-1,2-Dichloroethene	8260C	17.7	20.0	88	80-121
cis-1,3-Dichloropropene	8260C	19.2	20.0	96	77-122
m,p-Xylenes	8260C	36.9	40.0	92	80-126
o-Xylene	8260C	18.2	20.0	91	79-123
trans-1,2-Dichloroethene	8260C	18.4	20.0	92	73-118
trans-1,3-Dichloropropene	8260C	20.1	20.0	101	71-133
trans-1,4-Dichloro-2-butene	8260C	16.7	20.0	84	39-137



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Form 3

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Mercury by EPA 7470A Metals by EPA 6010C

Workorder

R2207261

Client

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Auburn Landfill #1 - Baseline

08/31/2022

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Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Mercury by EPA 7470A

RunID
RCVAA02_774688

RCVAA02_774688			ICB		CCB		CCB		MB404734		CCB		CCB	
Units			Run Date		08/19/22		08/19/22		08/19/22		08/19/22		08/19/22	
ug/L			Run Time		09:00		09:51		10:13		10:15		10:35	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Mercury, Total	0.08	0.20	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U

RCVAA02_774688			CCB		CCB									
Units			Run Date		08/19/22									
ug/L			Run Time		11:13									
Analyte	DL	LOQ	Result	Q	Result	Q								
Mercury, Total	0.08	0.20	0.08	U	0.08	U								



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Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Mercury by EPA 7470A

RunID
RCVAA02_774689

RCVAA02_774689			ICB		CCB		CCB		MB404735		CCB		CCB	
Units			Run Date		08/19/22		08/19/22		08/19/22		08/19/22		08/19/22	
ug/L			Run Time		09:00		11:13		11:28		11:30		11:50	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Mercury, Total	0.08	0.20	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U

RCVAA02_774689			CCB										
Units			Run Date		08/19/22								
ug/L			Run Time		12:34								
Analyte	DL	LOQ	Result	Q									
Mercury, Total	0.08	0.20	0.08	U									



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Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C

RunID
RPAES06_774396

RPAES06_774396			ICB		CCB		CCB		MB404411		CCB		CCB	
Units			Run Date		Run Date		Run Date		Run Date		Run Date		Run Date	
ug/L			Run Time		Run Time		Run Time		Run Time		Run Time		Run Time	
Data File			Data File		Data File		Data File		Data File		Data File		Data File	
Analyte			DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Arsenic, Total			6	10	6	U	6	U	6	U	6	U	6	U
Beryllium, Total			0.2	3.0	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Cadmium, Total			0.4	5.0	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Chromium, Total			2	10	2	U	2	U	2	U	2	U	2	U
Copper, Total			4	20	4	U	4	U	4	U	4	U	4	U
Lead, Total			3	50	3	U	3	U	3	U	3	U	3	U
Manganese, Total			4	10	4	U	4	U	4	U	4	U	4	U
Potassium, Total			400	2000	400	U	400	U	400	U	400	U	400	U
Silver, Total			0.6	10	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Thallium, Total			7	10	7	U	7	U	7	U	7	U	7	U
Zinc, Total			3	20	3	U	3	U	3	U	3	U	3	U
Vanadium, Total			0.7	50	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Sodium, Total			200	1000	200	U	200	U	200	U	200	U	200	U
Selenium, Total			7	10	7	U	7	U	7	U	7	U	7	U
Nickel, Total			3	40	3	U	3	U	3	U	3	U	3	U
Magnesium, Total			30	1000	30	U	30	U	30	U	30	U	30	U
Iron, Total			70	100	70	U	70	U	70	U	70	U	70	U
Cobalt, Total			0.9	50	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U
Calcium, Total			300	1000	300	U	300	U	300	U	300	U	300	U
Boron, Total			20	200	20	U	20	U	20	U	20	U	20	U
Barium, Total			3	20	3	U	3	U	3	U	3	U	3	U
Antimony, Total			7	60	15	J	8	J	14	J	7	U	11	J
Aluminum, Total			30	100	30	U	30	U	30	U	30	U	30	U



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Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C

RunID
RPAES06_774396

RPAES06_774396			CCB		CCB	
Units ug/L			Run Date Run Time Data File		08/17/22 00:37 6AUG16A	
Analyte	DL	LOQ	Result	Q	Result	Q
Cobalt, Total	0.9	50	0.9	U	0.9	U
Copper, Total	4	20	4	U	4	U
Iron, Total	70	100	70	U	70	U
Magnesium, Total	30	1000	30	U	30	U
Manganese, Total	4	10	4	U	4	U
Nickel, Total	3	40	3	U	3	U
Selenium, Total	7	10	7	U	7	U
Silver, Total	0.6	10	0.6	U	0.6	U
Sodium, Total	200	1000	200	U	200	U
Vanadium, Total	0.7	50	0.7	U	0.7	U
Zinc, Total	3	20	3	U	3	U
Thallium, Total	7	10	7	U	7	U
Potassium, Total	400	2000	400	U	400	U
Lead, Total	3	50	3	U	3	U
Chromium, Total	2	10	2	U	2	U
Beryllium, Total	0.2	3.0	0.2	U	0.2	U
Boron, Total	20	200	20	U	20	U
Cadmium, Total	0.4	5.0	0.4	U	0.4	U
Calcium, Total	300	1000	300	U	300	U
Arsenic, Total	6	10	6	U	6	U
Barium, Total	3	20	3	U	3	U
Antimony, Total	7	60	8	J	12	J
Aluminum, Total	30	100	30	U	30	U



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Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C

RunID
RPAES06_774773

RPAES06_774773			ICB		CCB		CCB		CCB		CCB		CCB	
Run Date			08/19/22		08/19/22		08/19/22		08/19/22		08/19/22		08/19/22	
Run Time			11:11		16:35		16:50		17:27		18:04		18:19	
Data File			6AUG19		6AUG19		6AUG19		6AUG19		6AUG19		6AUG19	
Units														
ug/L														
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Sodium, Total	200	1000	200	U	200	U	200	U	200	U	200	U	200	U
Thallium, Total	7	10	7	U	7	U	8	J	7	U	7	U	7	U
Potassium, Total	400	2000	400	U	400	U	400	U	400	U	400	U	400	U
Calcium, Total	300	1000	300	U	300	U	300	U	300	U	300	U	300	U



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Form 5A

Matrix Spike Sample Recovery

Metals by EPA 6010C
Mercury by EPA 7470A

Workorder

R2207261

Client

Barton & Loguidice, PC

Project

Auburn Landfill #1 - Baseline

08/31/2022

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Form 5A - Matrix Spike Sample Recovery

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Mercury by EPA 7470A

RunID
RCVAA02_774688

MW-19AA				R2207261-005			R2207261-005MS			R2207261-005DMS					
Samp Matrix		Water	Run Date	08/19/22			08/19/22			08/19/22					
Prep Method		Method	Units	Run Time			10:21			10:23			10:25		
Prep Batch		404734 08/17/22	ug/L	Prep Amt			25 mL			25 mL			25 mL		
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q	
Mercury, Total	75-125	1.00	1	0.20	U	1.03	103		1.03	103		20	<1		

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



Form 5A - Matrix Spike Sample Recovery

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Mercury by EPA 7470A

RunID
RCVAA02_774689

MW-18CC				R2207261-003			R2207261-003MS			R2207261-003DMS								
Samp Matrix		Water	Run Date	08/19/22			08/19/22			08/19/22								
Prep Method		Method	Units	Run Time			12:24			12:26						12:28		
Prep Batch		404735 08/17/22	ug/L	Prep Amt			25 mL			25 mL						25 mL		
Analyte		%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q			
Mercury, Total		75-125	1.00	1	0.20	U	0.93	93		0.95	95		20	2				



Form 5A - Matrix Spike Sample Recovery

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C

RunID
RPAES06_774396

MW-18CC				R2207261-003			R2207261-003MS			R2207261-003DMS					
Samp Matrix Water			Run Date	08/16/22			08/16/22			08/16/22					
Prep Method EPA 3005A/3010A		Units	Run Time	22:50			22:53			22:56					
Prep Batch 404411 08/11/22		ug/L	Prep Amt	50 mL			50 mL			50 mL					
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q	
Aluminum, Total	75-125	2000	1	310		2360	103		2370	103		20	<1		
Antimony, Total	75-125	500	1	60	U	516	103		518	104		20	<1		
Arsenic, Total	75-125	40	1	10	U	40	100		37	93		20	7		
Barium, Total	75-125	2000	1	15	J	2070	103		2070	103		20	<1		
Beryllium, Total	75-125	50.0	1	3.0	U	46.6	93		46.9	94		20	<1		
Boron, Total	75-125	1000	1	140	J	1160	102		1160	102		20	<1		
Cadmium, Total	75-125	50.0	1	5.0	U	47.3	95		47.4	95		20	<1		
Chromium, Total	75-125	200	1	10	U	199	100		200	100		20	<1		
Cobalt, Total	75-125	500	1	50	U	495	99		498	100		20	<1		
Copper, Total	75-125	250	1	20	U	264	106		265	106		20	<1		
Iron, Total	75-125	1000	1	510		1420	91		1430	92		20	<1		
Lead, Total	75-125	500	1	50	U	495	99		497	99		20	<1		
Magnesium, Total	75-125	2000	1	69600		71500	95		71800	108		20	<1		
Manganese, Total	75-125	500	1	14		514	100		518	101		20	<1		
Nickel, Total	75-125	500	1	40	U	494	99		497	99		20	<1		
Potassium, Total	75-125	20000	1	1600	J	21100	98		21300	98		20	<1		
Selenium, Total	75-125	1010	1	10	U	940	93		943	93		20	<1		
Silver, Total	75-125	50	1	10	U	53	106		54	107		20	<1		
Sodium, Total	75-125	20000	1	14000		34800	104		35100	106		20	<1		
Thallium, Total	75-125	2000	1	9	J	2060	102		2070	103		20	<1		
Vanadium, Total	75-125	500	1	50	U	490	98		493	99		20	<1		
Zinc, Total	75-125	500	1	14	J	497	96		501	97		20	<1		



Form 5A - Matrix Spike Sample Recovery

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C

RunID
RPAES06_774773

MW-18CC				R2207261-003			R2207261-003MS			R2207261-003DMS					
Samp Matrix		Water	Run Date	08/19/22			08/19/22			08/19/22					
Prep Method		EPA 3005A/3010A	Units	17:02			17:05			17:08					
Prep Batch		404411 08/11/22	ug/L	50 mL			50 mL			50 mL					
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q	
Calcium, Total	75-125	2000	10	436000		446000	504		443000	318		20	<1		



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Form 7

Laboratory Control Sample

**Metals by EPA 6010C
Mercury by EPA 7470A**

Workorder

R2207261

Client

Barton & Loguidice, PC

Project

Auburn Landfill #1 - Baseline

08/31/2022

ALS Environmental–Rochester Laboratory

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Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Mercury by EPA 7470A

RunID
RCVAA02_774688

RCVAA02_774688				R2207261-LCS1				
QC Matrix	Water		Run Date	08/19/22				
Prep Method	Method	Units	Run Time	10:17				
Prep Batch	404734 08/17/22	ug/L	Prep Amt	25 mL				
Analyte		%R Limits	Spike Added	LCS Result	%R	Q		
Mercury, Total		80-120	1.00	0.992	99			

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Mercury by EPA 7470A

RunID
RCVAA02_774689

RCVAA02_774689				R2207261-LCS2				
QC Matrix	Water		Run Date	08/19/22				
Prep Method	Method	Units	Run Time	11:32				
Prep Batch	404735 08/17/22	ug/L	Prep Amt	25 mL				
Analyte		%R Limits	Spike Added	LCS Result	%R	Q		
Mercury, Total		80-120	1.00	0.98	98			

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207261

Metals by EPA 6010C

RunID
RPAES06_774396

RPAES06_774396				R2207261-LCS1		
QC Matrix	Water		Run Date	08/16/22		
Prep Method	EPA 3005A/3010A	Units	Run Time	22:43		
Prep Batch	404411 08/11/22	ug/L	Prep Amt	50 mL		
Analyte	%R Limits	Spike Added	LCS Result	%R	Q	
Aluminum, Total	80-120	2000	1990	99		
Antimony, Total	80-120	500	502	100		
Arsenic, Total	80-120	40	38	96		
Barium, Total	80-120	2000	2080	104		
Beryllium, Total	80-120	50.0	47.7	95		
Boron, Total	80-120	1000	986	99		
Cadmium, Total	80-120	50.0	50.7	101		
Calcium, Total	80-120	2000	1990	99		
Chromium, Total	80-120	200	202	101		
Cobalt, Total	80-120	500	509	102		
Copper, Total	80-120	250	247	99		
Iron, Total	80-120	1000	1010	101		
Lead, Total	80-120	500	504	101		
Magnesium, Total	80-120	2000	1930	96		
Manganese, Total	80-120	500	503	101		
Nickel, Total	80-120	500	506	101		
Potassium, Total	80-120	20000	17800	89		
Selenium, Total	80-120	1010	938	93		
Silver, Total	80-120	50	48.9	98		
Sodium, Total	80-120	20000	19400	97		
Thallium, Total	80-120	2000	1840	92		
Vanadium, Total	80-120	500	489	98		
Zinc, Total	80-120	500	489	98		

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



General Chemistry

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: R2207261-MB1

Service Request: R2207261
Date Collected: NA
Date Received: NA

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	08/10/22 08:20	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/12/22 20:10	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 14:23	NA	
Bromide	300.0	0.10 U	mg/L	0.10	1	08/05/22 09:12	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 10:21	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	08/05/22 09:12	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/04/22 23:50	NA	
Color	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/10/22 22:13	NA	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	1	08/05/22 09:12	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/16/22 12:45	08/15/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 14:56	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	08/10/22 16:10	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/15/22 13:17	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207261-MB2

Service Request: R2207261
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/12/22 21:17	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/19/22 11:25	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	08/15/22 13:17	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 01:01	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/19/22 18:14	08/18/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 22:24	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	08/11/22 12:00	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/15/22 15:47	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207261-MB3

Service Request: R2207261
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	08/19/22 13:20	
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/16/22 04:14	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207261-MB4

Service Request: R2207261
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/16/22 06:44	

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/04/22
Date Received: 08/04/22
Date Analyzed: 08/4/22

Duplicate Matrix Spike Summary
Chromium, Hexavalent

Sample Name: MW-18AA
Lab Code: R2207261-001
Analysis Method: 7196A

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2207261-001MS			Duplicate Matrix Spike R2207261-001DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Chromium, Hexavalent	0.010 U	0.093	0.100	93	0.093	0.100	93	85-115	<1	20

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

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

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

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

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/04/22
Date Received: 08/04/22
Date Analyzed: 08/05/22 - 08/17/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-18CC
Lab Code: R2207261-003

Units: mg/L
Basis: NA

Matrix Spike
R2207261-003MS

Duplicate Matrix Spike
R2207261-003DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ammonia as Nitrogen, undistilled	350.1	0.074	0.300	0.250	90	0.301	0.250	91	90-110	<1	20
Bromide	300.0	1.0 U	9.8	10.0	98	10.0	10.0	100	90-110	2	20
Chloride	300.0	30.7	51.0	20.0	102	52.4	20.0	109	90-110	3	20
Cyanide, Total	Kelada-01	0.0050 U	0.0792	0.100	79 *	0.0813	0.100	81 *	90-110	3	20
Chemical Oxygen Demand, Total	410.4	5.0 U	22.8	25.0	91	20.9	25.0	84 *	90-110	9	20
Nitrate as Nitrogen	300.0	1.0 U	10.0	10.0	100	10.3	10.0	103	90-110	3	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0439	0.0400	110	0.0441	0.0400	110	49-137	<1	20
Sulfate	300.0	1090	1350	400	66 *	1520	400	106	90-110	11	20
Nitrogen, Total Kjeldahl (TKN)	351.2	0.26	2.98	2.50	109	2.88	2.50	105	90-110	3	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.4	26.5	25.0	100	26.5	25.0	100	48-135	<1	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/04/22
Date Received: 08/04/22
Date Analyzed: 8/5/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-5B **Units:** mg/L
Lab Code: R2207261-009 **Basis:** NA

Matrix Spike R2207261-009MS						Duplicate Matrix Spike R2207261-009DMS					
Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Bromide	300.0	3.3	13.4	10.0	101	13.0	10.0	97	90-110	3	20
Nitrate as Nitrogen	300.0	1.0 U	10.3	10.0	103	10.0	10.0	100	90-110	3	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/04/22
Date Received: 08/04/22
Date Analyzed: 08/15/22

Duplicate Matrix Spike Summary
Sulfate

Sample Name: MW-21C
Lab Code: R2207261-015
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Matrix Spike				Duplicate Matrix Spike				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Sulfate	1320	1740	400	104	1730	400	102	90-110	<1	20

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/04/22
Date Received: 08/04/22
Date Analyzed: 08/5/22

Duplicate Matrix Spike Summary
Chromium, Hexavalent

Sample Name: DUPE-Y
Lab Code: R2207261-021
Analysis Method: 7196A

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2207261-021MS			Duplicate Matrix Spike R2207261-021DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Chromium, Hexavalent	0.010 U	0.082	0.100	82 *	0.081	0.100	81 *	85-115	<1	20

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

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

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QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Collected: 08/04/22
Date Received: 08/04/22
Date Analyzed: 08/05/22 - 08/10/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-18CC
Lab Code: R2207261-003

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2207261- 003DUP	Average	RPD	RPD Limit
				Result			
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	2.0	223	224	223	<1	20
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0	2.0 U	2.0 U	NC	NC	20
Solids, Total Dissolved (TDS)	SM 2540 C-2015	25	1830	1850	1840	<1	10

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QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261**Date Collected:** 08/04/22**Date Received:** 08/04/22**Date Analyzed:** 08/05/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-18CC
Lab Code: R2207261-003

Units: ColorUnits**Basis:** NA

				Duplicate Sample R2207261- 003DUP			
Analyte Name	Analysis Method	MRL	Sample Result	Result	Average	RPD	RPD Limit
Color	SM 2120 B-2001(2011)	1.0	5.0	5.0	5.00	<1	5

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

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

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

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QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261**Date Collected:** 08/04/22**Date Received:** 08/04/22**Date Analyzed:** 08/05/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-18CC
Lab Code: R2207261-003

Units: pH Units**Basis:** NA

				Duplicate Sample R2207261- 003DUP			
Analyte Name	Analysis Method	MRL	Sample Result	Result	Average	RPD	RPD Limit
pH of Color Analysis	SM 2120 B-2001(2011)	-	7.23	7.24	7.24	<1	20

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

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

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

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QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261**Date Collected:** 08/04/22**Date Received:** 08/04/22**Date Analyzed:** 08/11/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-22A
Lab Code: R2207261-017

Units: mg/L**Basis:** NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2207261- 017DUP	Average	RPD	RPD Limit
				Result			
Solids, Total Dissolved (TDS)	SM 2540 C-2015	50	2900	2990	2940	3	10

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

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

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

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Analyzed: 08/04/22 - 08/17/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2207261-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	22.5	20.0	112	80-120
Ammonia as Nitrogen, undistilled	350.1	0.250	0.250	100	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	185	198	94	85-115
Bromide	300.0	0.956	1.00	96	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	22.9	25.0	91	80-121
Chemical Oxygen Demand, Total	410.4	54.7	50.0	109	90-110
Chloride	300.0	1.93	2.00	96	90-110
Chromium, Hexavalent	7196A	0.102	0.100	102	80-120
Cyanide, Total	Kelada-01	0.0926	0.100	93	90-110
Nitrate as Nitrogen	300.0	0.966	1.00	97	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.54	2.50	101	90-110
Phenolics, Total Recoverable	9066	0.0379	0.0400	95	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	924	914	101	90-110
Sulfate	300.0	1.97	2.00	98	90-110

ALS Group USA, Corp.
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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Analyzed: 08/09/22 - 08/19/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2207261-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	350.1	0.252	0.250	101	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	23.8	25.0	95	80-121
Chemical Oxygen Demand, Total	410.4	512	500	102	90-110
Chloride	300.0	1.93	2.00	96	90-110
Cyanide, Total	Kelada-01	0.0944	0.100	94	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.37	2.50	95	90-110
Phenolics, Total Recoverable	9066	0.0412	0.0400	103	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	878	914	96	90-110
Sulfate	300.0	1.87	2.00	93	90-110

ALS Group USA, Corp.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Analyzed: 08/16/22 - 08/19/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L**Basis:**NA**Lab Control Sample**

R2207261-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Solids, Total Dissolved (TDS)	SM 2540 C-2015	922	914	101	90-110
Sulfate	300.0	1.89	2.00	95	90-110

ALS Group USA, Corp.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207261
Date Analyzed: 08/16/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L**Basis:**NA**Lab Control Sample**

R2207261-LCS4

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sulfate	300.0	1.84	2.00	92	90-110



September 01, 2022

Service Request No:R2207262

Mr. Matthew Strodel
Barton & Loguidice, PC
443 Electronics Parkway
Liverpool, NY 13088

Laboratory Results for: Auburn Landfill #1 - Expanded

Dear Mr.Strodel,

Enclosed are the results of the sample(s) submitted to our laboratory August 04, 2022
For your reference, these analyses have been assigned our service request number **R2207262**.

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

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Nicole Mansen
Project Manager

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded
Sample Matrix: Water

Service Request: R2207262
Date Received: 08/04/2022

CASE NARRATIVE

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

Sample Receipt:

Two water samples were received for analysis at ALS Environmental on 08/04/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 08/13/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 08/13/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Semivolatile GC:

Method 8081B: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV) on one detector. All recoveries were acceptable on the secondary detector. Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

The RPD between the LCS and the LCSD was greater than the RPD limit. The percent recovery limit was met for both the LCS and the LCSD.

Method 8081B, 774925: The control limits were exceeded for one or more surrogates due to suspected matrix interferences. Sample is scheduled for re-extraction.

Method 8081B: The analysis of one or more samples was initially attempted within holding time but was not useable due to an analytical system or QC failure. Efforts were made to reanalyze the sample(s) as soon as possible after the analytical system was back in control. However, the reanalysis of the sample(s) was performed past the recommended holding time. The results from the reanalysis are reported. The data is flagged to indicate the holding time exceedance.

The RPD between the LCS and the LCSD was greater than the RPD limit. The percent recovery limit was met for both the LCS and the LCSD.

Metals:

Mercury: The reporting limit is elevated for Mercury in one or more samples in this report. The sample matrix contained excessive amounts of organic matter that subsequently reduced the potassium permanganate added during sample preparation. An excess of oxidized permanganate must be maintained throughout the prep process in order to ensure no loss of mercury as

Approved by

Date

09/01/2022

General Chemistry:

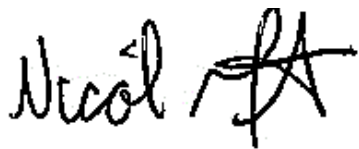
No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 08/15/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 08/15/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by



Date

09/01/2022



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018

Service Request:R2207262

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2207262-001	MH-1N	8/4/2022	1150
R2207262-002	Trip Blank	8/4/2022	



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR#

1565 Jefferson Road, Bldg 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 / FAX (585) 288-8475

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008, 009

T052700

Project Name: Auburn Landfill #1 - Expanded		NUMBER OF CONTAINERS	24H	48H	7D	14D	28D	180D	Remarks
Project Number: AL8162-440	Report To: Matthew Strodel - Derek Jordan								
Company / Address: Barton & Loguidice, PC 443 Electronics Parkway Liverpool NY, 13088									
Phone #: 315-457-5200	FAX #: 315-451-0052								
Sampler Signature: <i>Tim Bly / Vander Hart</i>		Sampler Printed Name: Tim Bly / Vander Hart							

CLIENT SAMPLE ID	LABID	SAMPLING Date Time	Matrix		7196A / Cr6	300.0 / NO3	SM 2120 B-2001 / CLR	SM 5210 B-2001 / BOD	8081B / Pest OC	8082A / PCB	8151A / HERB	8270D / SVO	SM 2540 C-1997 / TDS	SM 2540 D-1997 / TSS	SM 4500-Sulfide	8280C / VOC FP	9012B / CN Tot	SM 2320 B-1997 / Alk	300.0 / Br	300.0 / Chloride	300.0 / SO4	351.2 / TKN	410.4 / COD T	7470A / Hg T	9060A / TOC 4X T	9066 / Phenolics	ASTM D6919-09 / NH3	6010C / Metals Total	SM 2340 B-1997 / Hard		
MH-1N		8-4-22/1150	Liquid	19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Trip Blank			Liquid	3											X																
3.			Liquid																												
4.			Liquid																												
5.			Liquid																												
6.			Liquid																												
7.			Liquid																												
8.			Liquid																												
9.			Liquid																												
10.			Liquid																												

Special Instructions/Comments:

Turnaround Requirements

___ RUSH (SURCHARGES APPLY)

☒ Standard

REQUESTED FAX DATE

Requested Report Date

Report Requirements

- ___ I. Results Only
☒ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
☒ IV. Data Validation Report with Raw Data

EData ___ Yes ___ No

Invoice Information

P.O.#

Bill To: *BTL*

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>Tim Bly</i>	Signature: <i>Barry Kathan</i>	Signature:	Signature:	Signature:	Signature:
Printed Name: <i>Vander Hart</i>	Printed Name: <i>Barry Kathan</i>	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: <i>BTL</i>	Firm: <i>ALS</i>	Firm:	Firm:	Firm:	Firm:
Date/Time: <i>8/4/22</i>	Date/Time: <i>8/4/22 1635</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

R2207262

Barton & Loguidice, PC
Auburn Landfill #1 - Expanded

5



Cooler Receipt and Preservation Check

R2207262

5

Barton & Loguidice, PC
Auburn Landfill #1 - ExpandedProject/Client Barton - Auburn Folder Number _____Cooler received on 8/4/22 by: Rue

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y ☒ N
2	Custody papers properly completed (ink, signed)?	☒ Y N
3	Did all bottles arrive in good condition (unbroken)?	Y N
4	Circle: Wet Ice Dry Ice Gel packs present?	Y N

5a	Perchlorate samples have required headspace?	Y N NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y N NA
6	Where did the bottles originate?	ALS/ROC CLIENT
7	Soil VOA received as:	Bulk Encore 5035set NA

3. Temperature Readings Date: 8/4/22 Time: 1640 ID: IR#7 IR#1 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>24.8</u>	<u>27.3</u>	<u>24.1</u>				
Within 0-6°C?	Y ☒ N	Y ☒ N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: No ice Ice melted Poorly Packed (described below) Same Day Rule
 & Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: _____ by _____ on _____ at _____
 5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 8/8/22 Time: 09135 by: RE

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

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12	<u>225320</u>	NaOH	☒	☐	<u>214719</u>	<u>09/23</u>				
<2	<u>↓</u>	HNO ₃	☐	☒	<u>1122031</u>	<u>09/23</u>				
<2	<u>↓</u>	H ₂ SO ₄	☐	☒	<u>1120-10</u>	<u>09/23</u>				
<4		NaHSO ₄	☐	☐						
5-9		For 608pest	☐	☐	No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522	☒	☐	If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃	☐	☐						
		ZnAcetate	☐	☐	<u>221239</u>	<u>01/23</u>				
		HCl	☐	☐	<u>no lot info</u>					

**VOAs and 1664 Not to be tested before analysis.
 Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 22-05-27, 22-03-03, 050922-1 EKP, 101121-2 AAW, 020722-2 AAU, 2649-1
 Explain all Discrepancies/ Other Comments: 81001-62781

H₂SO₄ lot for Phenol/TOC: 3121040 exp 06/24

Labels secondary reviewed by: RE
 PC Secondary Review: _____

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

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

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dba ALS Environmental

Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Expanded/554.026.018

Service Request: R2207262

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207262-001.01	9034	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	1727	R-015 / ALUGO	
		8/8/2022	1728	RT000779 / ALUGO	
R2207262-001.02	Kelada-01	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1550	RT000786 / ALUGO	
R2207262-001.03	9060A,9066	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	1548	R-015 / ALUGO	
		8/8/2022	1549	RT000786 / ALUGO	
R2207262-001.04		8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-002 / GESMERIAN	
R2207262-001.05	8270D,8270D	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-002 / GESMERIAN	
R2207262-001.06		8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-002 / GESMERIAN	
R2207262-001.07		8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-002 / GESMERIAN	
R2207262-001.08	8081B,8082A,8081B	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-002 / GESMERIAN	
R2207262-001.09	8151A	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-002 / GESMERIAN	
R2207262-001.11					

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Expanded/554.026.018

Service Request: R2207262

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	350.1,351.2,410.4	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	1544	R-016 / ALUGO	
		8/8/2022	1546	RT000301 / ALUGO	
R2207262-001.12	SM 2120 B-2001(2011)	8/8/2022	0940	SMO / GESMERIAN	
R2207262-001.13	SM 2320 B-1997(2011)	8/8/2022	0940	SMO / GESMERIAN	
		8/9/2022	0920	R-014 / GESMERIAN	
		8/9/2022	0922	RT000713 / GESMERIAN	
R2207262-001.14	7196A,300.0,300.0,300.0,300.0,SM 2540 C-2015	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	1145	R-022 / GESMERIAN	
		8/8/2022	1146	RT000164 / GESMERIAN	
R2207262-001.16	SM 5210 B-2016,SM 2540 D-2015	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-002 / GESMERIAN	
R2207262-001.18	7470A	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-002 / GESMERIAN	
R2207262-001.19	8260C	8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-001 / GESMERIAN	
		8/15/2022	1127	In Lab / FNAEGLER	
		8/15/2022	1129	R-001-S10 / FNAEGLER	
R2207262-001.20		8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-001 / GESMERIAN	
R2207262-001.21		8/8/2022	0940	SMO / GESMERIAN	
		8/8/2022	0950	R-001 / GESMERIAN	
R2207262-001.22					

Internal Chain of Custody Report

Service Request: R2207262

Page 11 of 81



Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations¹



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

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

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

ALS Laboratory Group

Acronyms

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

ALS Group USA, Corp.
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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018

Service Request: R2207262

Sample Name: MH-1N
Lab Code: R2207262-001
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	GNITAJOUPPI	GNITAJOUPPI
410.4		SMEDBURY
6010C	CDISTEFANO	CKUTZER
7196A		MROGERSON
7470A	BDIAMOND	BDIAMOND
8081B	AFELSER	AFELSER
8082A	JVANHEYNINGEN	AFELSER
8151A	JVANHEYNINGEN	AFELSER
8260C		FNAEGLER
8270D	BALLGEIER	BALLGEIER
9034	GNITAJOUPPI	STALARICO
9060A		SMORGAN
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KWONG
SM 2540 C-2015		KAWONG
SM 2540 D-2015		KAWONG
SM 5210 B-2016		STALARICO

Sample Name: MH-1N
Lab Code: R2207262-001.R01
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/4/22

Analysis Method	Extracted/Digested By	Analyzed By
8081B	JVANHEYNINGEN	AFELSER
8270D	BALLGEIER	BALLGEIER

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC

Service Request: R2207262

Project: Auburn Landfill #1 - Expanded/554.026.018

Sample Name: Trip Blank

Date Collected: 08/4/22

Lab Code: R2207262-002

Date Received: 08/4/22

Sample Matrix: Water

Analysis Method

Extracted/Digested By

Analyzed By

8260C

FNAEGLER



INORGANIC PREPARATION METHODS

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

Water/Liquid Matrix

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

Solid/Soil/Non-Aqueous Matrix

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



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Sample Name: MH-1N
Lab Code: R2207262-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	5.0 U	5.0	0.20	1	08/15/22 15:06	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	08/15/22 15:06	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	08/15/22 15:06	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	08/15/22 15:06	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	08/15/22 15:06	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	08/15/22 15:06	
1,1-Dichloropropene	5.0 U	5.0	0.20	1	08/15/22 15:06	
1,2,3-Trichloropropane	5.0 U	5.0	0.26	1	08/15/22 15:06	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	0.45	1	08/15/22 15:06	
1,2-Dibromoethane	5.0 U	5.0	0.20	1	08/15/22 15:06	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	08/15/22 15:06	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	08/15/22 15:06	
1,3-Dichloropropane	5.0 U	5.0	0.20	1	08/15/22 15:06	
2,2-Dichloropropane	5.0 U	5.0	0.24	1	08/15/22 15:06	
2-Butanone (MEK)	10 U	10	0.78	1	08/15/22 15:06	
2-Chloro-1,3-butadiene	5.0 U	5.0	0.20	1	08/15/22 15:06	
2-Hexanone	10 U	10	0.20	1	08/15/22 15:06	
2-Methyl-1-propanol (Isobutyl Alcohol)	100 U	100	33	1	08/15/22 15:06	
3-Chloro-1-propene	5.0 U	5.0	0.36	1	08/15/22 15:06	
4-Methyl-2-pentanone	0.26 J	10	0.20	1	08/15/22 15:06	
Acetone	15	10	5.0	1	08/15/22 15:06	
Acetonitrile	100 U	100	5.2	1	08/15/22 15:06	
Acrolein	100 U	100	0.90	1	08/15/22 15:06	
Acrylonitrile	100 U	100	0.90	1	08/15/22 15:06	
Benzene	2.5 J	5.0	0.20	1	08/15/22 15:06	
Bromochloromethane	5.0 U	5.0	0.20	1	08/15/22 15:06	
Bromodichloromethane	5.0 U	5.0	0.20	1	08/15/22 15:06	
Bromoform	5.0 U	5.0	0.25	1	08/15/22 15:06	
Bromomethane	5.0 U	5.0	0.70	1	08/15/22 15:06	
Carbon Disulfide	10 U	10	0.42	1	08/15/22 15:06	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	08/15/22 15:06	
Chlorobenzene	19	5.0	0.20	1	08/15/22 15:06	
Chloroethane	5.0 U	5.0	0.23	1	08/15/22 15:06	
Chloroform	5.0 U	5.0	0.24	1	08/15/22 15:06	
Chloromethane	1.1 J	5.0	0.28	1	08/15/22 15:06	
Dibromochloromethane	5.0 U	5.0	0.20	1	08/15/22 15:06	
Dibromomethane	5.0 U	5.0	0.20	1	08/15/22 15:06	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	0.21	1	08/15/22 15:06	
Dichloromethane	5.0 U	5.0	0.65	1	08/15/22 15:06	
Ethyl Methacrylate	10 U	10	0.20	1	08/15/22 15:06	
Ethylbenzene	5.0 U	5.0	0.20	1	08/15/22 15:06	
Iodomethane	10 U	10	4.3	1	08/15/22 15:06	
Methacrylonitrile	20 U	20	0.52	1	08/15/22 15:06	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Sample Name: MH-1N
Lab Code: R2207262-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Methyl Methacrylate	10 U	10	0.24	1	08/15/22 15:06	
Propionitrile	100 U	100	3.0	1	08/15/22 15:06	
Styrene	5.0 U	5.0	0.20	1	08/15/22 15:06	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	08/15/22 15:06	
Toluene	5.0 U	5.0	0.20	1	08/15/22 15:06	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	08/15/22 15:06	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	0.24	1	08/15/22 15:06	
Vinyl Acetate	10 U	10	1.1	1	08/15/22 15:06	
Vinyl Chloride	5.0 U	5.0	0.20	1	08/15/22 15:06	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	08/15/22 15:06	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	08/15/22 15:06	
m,p-Xylenes	5.5	5.0	0.20	1	08/15/22 15:06	
o-Xylene	0.28 J	5.0	0.20	1	08/15/22 15:06	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	08/15/22 15:06	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	08/15/22 15:06	
trans-1,4-Dichloro-2-butene	5.0 U	5.0	0.78	1	08/15/22 15:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	08/15/22 15:06	
Dibromofluoromethane	107	80 - 116	08/15/22 15:06	
Toluene-d8	104	87 - 121	08/15/22 15:06	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: 08/04/22
Date Received: 08/04/22 16:35

Sample Name: Trip Blank
Lab Code: R2207262-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	5.0 U	5.0	0.20	1	08/15/22 14:44	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	08/15/22 14:44	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	08/15/22 14:44	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	08/15/22 14:44	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	08/15/22 14:44	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	08/15/22 14:44	
1,1-Dichloropropene	5.0 U	5.0	0.20	1	08/15/22 14:44	
1,2,3-Trichloropropane	5.0 U	5.0	0.26	1	08/15/22 14:44	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	0.45	1	08/15/22 14:44	
1,2-Dibromoethane	5.0 U	5.0	0.20	1	08/15/22 14:44	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	08/15/22 14:44	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	08/15/22 14:44	
1,3-Dichloropropane	5.0 U	5.0	0.20	1	08/15/22 14:44	
2,2-Dichloropropane	5.0 U	5.0	0.24	1	08/15/22 14:44	
2-Butanone (MEK)	10 U	10	0.78	1	08/15/22 14:44	
2-Chloro-1,3-butadiene	5.0 U	5.0	0.20	1	08/15/22 14:44	
2-Hexanone	10 U	10	0.20	1	08/15/22 14:44	
2-Methyl-1-propanol (Isobutyl Alcohol)	100 U	100	33	1	08/15/22 14:44	
3-Chloro-1-propene	5.0 U	5.0	0.36	1	08/15/22 14:44	
4-Methyl-2-pentanone	10 U	10	0.20	1	08/15/22 14:44	
Acetone	10 U	10	5.0	1	08/15/22 14:44	
Acetonitrile	100 U	100	5.2	1	08/15/22 14:44	
Acrolein	100 U	100	0.90	1	08/15/22 14:44	
Acrylonitrile	100 U	100	0.90	1	08/15/22 14:44	
Benzene	5.0 U	5.0	0.20	1	08/15/22 14:44	
Bromochloromethane	5.0 U	5.0	0.20	1	08/15/22 14:44	
Bromodichloromethane	5.0 U	5.0	0.20	1	08/15/22 14:44	
Bromoform	5.0 U	5.0	0.25	1	08/15/22 14:44	
Bromomethane	5.0 U	5.0	0.70	1	08/15/22 14:44	
Carbon Disulfide	10 U	10	0.42	1	08/15/22 14:44	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	08/15/22 14:44	
Chlorobenzene	5.0 U	5.0	0.20	1	08/15/22 14:44	
Chloroethane	5.0 U	5.0	0.23	1	08/15/22 14:44	
Chloroform	5.0 U	5.0	0.24	1	08/15/22 14:44	
Chloromethane	5.0 U	5.0	0.28	1	08/15/22 14:44	
Dibromochloromethane	5.0 U	5.0	0.20	1	08/15/22 14:44	
Dibromomethane	5.0 U	5.0	0.20	1	08/15/22 14:44	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	0.21	1	08/15/22 14:44	
Dichloromethane	5.0 U	5.0	0.65	1	08/15/22 14:44	
Ethyl Methacrylate	10 U	10	0.20	1	08/15/22 14:44	
Ethylbenzene	5.0 U	5.0	0.20	1	08/15/22 14:44	
Iodomethane	10 U	10	4.3	1	08/15/22 14:44	
Methacrylonitrile	20 U	20	0.52	1	08/15/22 14:44	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: 08/04/22
Date Received: 08/04/22 16:35

Sample Name: Trip Blank
Lab Code: R2207262-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Methyl Methacrylate	10 U	10	0.24	1	08/15/22 14:44	
Propionitrile	100 U	100	3.0	1	08/15/22 14:44	
Styrene	5.0 U	5.0	0.20	1	08/15/22 14:44	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	08/15/22 14:44	
Toluene	5.0 U	5.0	0.20	1	08/15/22 14:44	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	08/15/22 14:44	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	0.24	1	08/15/22 14:44	
Vinyl Acetate	10 U	10	1.1	1	08/15/22 14:44	
Vinyl Chloride	5.0 U	5.0	0.20	1	08/15/22 14:44	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	08/15/22 14:44	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	08/15/22 14:44	
m,p-Xylenes	5.0 U	5.0	0.20	1	08/15/22 14:44	
o-Xylene	5.0 U	5.0	0.20	1	08/15/22 14:44	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	08/15/22 14:44	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	08/15/22 14:44	
trans-1,4-Dichloro-2-butene	5.0 U	5.0	0.78	1	08/15/22 14:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	08/15/22 14:44	
Dibromofluoromethane	106	80 - 116	08/15/22 14:44	
Toluene-d8	105	87 - 121	08/15/22 14:44	



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Sample Name: MH-1N
Lab Code: R2207262-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
1,2,4-Trichlorobenzene	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
1,2-Dichlorobenzene	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
1,3,5-Trinitrobenzene	8.9 U	8.9	4.4	1	08/13/22 15:02	8/10/22	
1,3-Dichlorobenzene	8.9 U	8.9	1.1	1	08/13/22 15:02	8/10/22	
1,3-Dinitrobenzene	8.9 U	8.9	1.8	1	08/13/22 15:02	8/10/22	
1,4-Dichlorobenzene	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
1,4-Naphthoquinone	45 U	45	1.4	1	08/13/22 15:02	8/10/22	
p-Phenylenediamine	45 U	45	-	1	08/13/22 15:02	8/10/22	
1-Naphthylamine	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
2,3,4,6-Tetrachlorophenol	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
2,4,5-Trichlorophenol	8.9 U	8.9	1.1	1	08/13/22 15:02	8/10/22	
2,4,6-Trichlorophenol	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
2,4-Dichlorophenol	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	
2,4-Dimethylphenol	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
2,4-Dinitrophenol	45 U	45	20	1	08/13/22 15:02	8/10/22	
2,4-Dinitrotoluene	8.9 U	8.9	2.4	1	08/13/22 15:02	8/10/22	
2,6-Dichlorophenol	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
2,6-Dinitrotoluene	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
2-Acetylaminofluorene	8.9 U	8.9	1.6	1	08/13/22 15:02	8/10/22	
2-Chloronaphthalene	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
2-Chlorophenol	8.9 U	8.9	1.1	1	08/13/22 15:02	8/10/22	
5-Nitro-2-methylaniline	8.9 U	8.9	1.9	1	08/13/22 15:02	8/10/22	
2-Methylnaphthalene	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	
2-Methylphenol	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
2-Naphthylamine	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
2-Nitroaniline	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
2-Nitrophenol	8.9 U	8.9	1.5	1	08/13/22 15:02	8/10/22	
3,3'-Dichlorobenzidine	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
3,3'-Dimethylbenzidine	45 U	45	8.2	1	08/13/22 15:02	8/10/22	
3- and 4-Methylphenol Coelution	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
3-Methylcholanthrene	8.9 U	8.9	1.5	1	08/13/22 15:02	8/10/22	
3-Nitroaniline	8.9 U	8.9	1.1	1	08/13/22 15:02	8/10/22	
4,6-Dinitro-2-methylphenol	45 U	45	8.7	1	08/13/22 15:02	8/10/22	
4-Aminobiphenyl	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
4-Bromophenyl Phenyl Ether	8.9 U	8.9	1.7	1	08/13/22 15:02	8/10/22	
4-Chloro-3-methylphenol	8.9 U	8.9	1.1	1	08/13/22 15:02	8/10/22	
4-Chloroaniline	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
4-Chlorophenyl Phenyl Ether	8.9 U	8.9	1.5	1	08/13/22 15:02	8/10/22	
4-Nitroaniline	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
4-Nitrophenol	45 U	45	6.4	1	08/13/22 15:02	8/10/22	
7,12-Dimethylbenz(a)anthracene	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
Acenaphthene	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Sample Name: MH-1N
Lab Code: R2207262-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acenaphthylene	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
Acetophenone	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	
Anthracene	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	
Benz(a)anthracene	8.9 U	8.9	1.6	1	08/13/22 15:02	8/10/22	
Benzo(a)pyrene	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
Benzo(b)fluoranthene	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
Benzo(g,h,i)perylene	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
Benzo(k)fluoranthene	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	
Benzyl Alcohol	8.9 U	8.9	1.6	1	08/13/22 15:02	8/10/22	
2,2'-Oxybis(1-chloropropane)	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
Bis(2-chloroethoxy)methane	8.9 U	8.9	1.9	1	08/13/22 15:02	8/10/22	
Bis(2-chloroethyl) Ether	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	
Bis(2-ethylhexyl) Phthalate	8.9 U	8.9	7.8	1	08/13/22 15:02	8/10/22	
Butyl Benzyl Phthalate	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
Chlorobenzilate	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	
Chrysene	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
Di-n-butyl Phthalate	8.9 U	8.9	1.7	1	08/13/22 15:02	8/10/22	
Di-n-octyl Phthalate	8.9 U	8.9	3.3	1	08/13/22 15:02	8/10/22	
Diallate	8.9 U	8.9	2.0	1	08/13/22 15:02	8/10/22	
Dibenz(a,h)anthracene	8.9 U	8.9	1.1	1	08/13/22 15:02	8/10/22	
Dibenzofuran	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
Diethyl Phthalate	8.9 U	8.9	1.1	1	08/13/22 15:02	8/10/22	
Dimethoate	8.9 U	8.9	1.8	1	08/13/22 15:02	8/10/22	
Dimethyl Phthalate	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	
Diphenylamine	8.9 U	8.9	2.7	1	08/13/22 15:02	8/10/22	
Disulfoton	8.9 U	8.9	3.0	1	08/13/22 15:02	8/10/22	
Ethyl Methanesulfonate	8.9 U	8.9	1.1	1	08/13/22 15:02	8/10/22	
Fluoranthene	8.9 U	8.9	1.5	1	08/13/22 15:02	8/10/22	
Fluorene	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	
Hexachlorobenzene	8.9 U	8.9	1.6	1	08/13/22 15:02	8/10/22	
Hexachlorobutadiene	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
Hexachlorocyclopentadiene	8.9 U	8.9	2.2	1	08/13/22 15:02	8/10/22	
Hexachloroethane	8.9 U	8.9	1.1	1	08/13/22 15:02	8/10/22	
Hexachloropropene	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
Indeno(1,2,3-cd)pyrene	8.9 U	8.9	1.8	1	08/13/22 15:02	8/10/22	
Isodrin	8.9 U	8.9	1.5	1	08/13/22 15:02	8/10/22	
Isophorone	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
Isosafrole	8.9 U	8.9	1.7	1	08/13/22 15:02	8/10/22	
Methapyrilene	45 U	45	44	1	08/13/22 15:02	8/10/22	
Methyl Methanesulfonate	8.9 U	8.9	1.1	1	08/13/22 15:02	8/10/22	
Methyl Parathion	8.9 U	8.9	1.7	1	08/13/22 15:02	8/10/22	
N-Nitrosodi-n-butylamine	8.9 U	8.9	2.1	1	08/13/22 15:02	8/10/22	
N-Nitrosodi-n-propylamine	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Sample Name: MH-1N
Lab Code: R2207262-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
N-Nitrosodiethylamine	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
N-Nitrosodimethylamine	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
N-Nitrosodiphenylamine	8.9 U	8.9	2.7	1	08/13/22 15:02	8/10/22	
N-Nitrosomethylethylamine	8.9 U	8.9	1.2	1	08/13/22 15:02	8/10/22	
N-Nitrosopiperidine	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
N-Nitrosopyrrolidine	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
Naphthalene	2.0 J	8.9	1.2	1	08/13/22 15:02	8/10/22	
Nitrobenzene	8.9 U	8.9	1.5	1	08/13/22 15:02	8/10/22	
O,O,O-Triethyl Phosphorothioate	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
Parathion	8.9 U	8.9	3.5	1	08/13/22 15:02	8/10/22	
Pentachlorobenzene	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
Pentachloronitrobenzene (PCNB)	8.9 U	8.9	1.5	1	08/13/22 15:02	8/10/22	
Pentachlorophenol (PCP)	45 U	45	9.7	1	08/13/22 15:02	8/10/22	
Phenacetin	8.9 U	8.9	1.5	1	08/13/22 15:02	8/10/22	
Phenanthrene	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
Phenol	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
Phorate	8.9 U	8.9	1.4	1	08/13/22 15:02	8/10/22	
Pronamide	8.9 U	8.9	1.8	1	08/13/22 15:02	8/10/22	
Pyrene	8.9 U	8.9	1.5	1	08/13/22 15:02	8/10/22	
Safrole	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	
Thionazin	8.9 U	8.9	1.6	1	08/13/22 15:02	8/10/22	
o-Toluidine	8.9 U	8.9	1.0	1	08/13/22 15:02	8/10/22	
p-Dimethylaminoazobenzene	8.9 U	8.9	1.3	1	08/13/22 15:02	8/10/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	80	35 - 141	08/13/22 15:02	
2-Fluorobiphenyl	41	31 - 118	08/13/22 15:02	
2-Fluorophenol	44	10 - 105	08/13/22 15:02	
Nitrobenzene-d5	61	31 - 110	08/13/22 15:02	
Phenol-d6	28	10 - 107	08/13/22 15:02	
p-Terphenyl-d14	20	10 - 165	08/13/22 15:02	

ALS Group USA, Corp.
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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Sample Name: MH-1N
Lab Code: R2207262-001

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Famphur	8.9 U	8.9	5.4	1	08/16/22 00:46	8/10/22	
Kepone	9.7 U	9.7	9.7	1	08/16/22 00:46	8/10/22	



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Sample Name: MH-1N
Lab Code: R2207262-001

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
4,4'-DDE	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
4,4'-DDT	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Aldrin	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Dieldrin	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Endosulfan I	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Endosulfan II	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Endosulfan Sulfate	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Endrin	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Endrin Aldehyde	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Heptachlor	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Heptachlor Epoxide	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Methoxychlor	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
Toxaphene	0.50 U	0.50	0.50	1	08/22/22 12:44	8/9/22	
alpha-BHC	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
alpha-Chlordane	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
beta-BHC	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
delta-BHC	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
gamma-BHC (Lindane)	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	
gamma-Chlordane	0.046 U	0.046	0.020	1	08/22/22 12:44	8/9/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Sample Name: MH-1N
Lab Code: R2207262-001

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	9 *	10 - 164	08/22/22 12:44	*
Tetrachloro-m-xylene	26	10 - 147	08/22/22 12:44	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Sample Name: MH-1N
Lab Code: R2207262-001

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
4,4'-DDE	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
4,4'-DDT	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Aldrin	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Dieldrin	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Endosulfan I	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Endosulfan II	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Endosulfan Sulfate	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Endrin	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Endrin Aldehyde	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Heptachlor	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Heptachlor Epoxide	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Methoxychlor	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
Toxaphene	0.50 U	0.50	0.50	1	08/26/22 20:18	8/26/22	*
alpha-BHC	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
alpha-Chlordane	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
beta-BHC	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
delta-BHC	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
gamma-BHC (Lindane)	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*
gamma-Chlordane	0.045 U	0.045	0.020	1	08/26/22 20:18	8/26/22	*

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Sample Name: MH-1N
Lab Code: R2207262-001

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	11	10 - 164	08/26/22 20:18	
Tetrachloro-m-xylene	53	10 - 147	08/26/22 20:18	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Sample Name: MH-1N
Lab Code: R2207262-001

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	0.50	1	08/16/22 21:48	8/9/22	
Aroclor 1221	1.9 U	1.9	1.0	1	08/16/22 21:48	8/9/22	
Aroclor 1232	0.93 U	0.93	0.50	1	08/16/22 21:48	8/9/22	
Aroclor 1242	0.93 U	0.93	0.50	1	08/16/22 21:48	8/9/22	
Aroclor 1248	0.93 U	0.93	0.50	1	08/16/22 21:48	8/9/22	
Aroclor 1254	0.93 U	0.93	0.50	1	08/16/22 21:48	8/9/22	
Aroclor 1260	0.93 U	0.93	0.50	1	08/16/22 21:48	8/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	10	10 - 152	08/16/22 21:48	
Tetrachloro-m-xylene	23	14 - 129	08/16/22 21:48	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Sample Name: MH-1N
Lab Code: R2207262-001

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Units: ug/L
Basis: NA

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-T	0.45 U	0.45	0.14	1	08/12/22 21:01	8/10/22	
2,4,5-TP	0.45 U	0.45	0.12	1	08/12/22 21:01	8/10/22	
2,4-D	0.45 U	0.45	0.35	1	08/12/22 21:01	8/10/22	
Dinoseb	0.45 U	0.45	0.21	1	08/12/22 21:01	8/10/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	60	10 - 136	08/12/22 21:01	



Metals

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Form 1

Inorganic Analysis Data Sheet

Metals by EPA 6010C Mercury by EPA 7470A

Workorder

R2207262

Client

Barton & Loguidice, PC

Project

Auburn Landfill #1 - Expanded

08/31/2022

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Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Expanded

Workorder
R2207262

Metals by EPA 6010C, Mercury by EPA 7470A

R2207262-001				Collected	Received	Matrix	Units	Prep Method	Prep Amount	
MH-1N				08/04/22 1150	08/04/22 1635	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL	
Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	8510		30	100	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	160		6	10	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	6000		3	20	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	1.1	J	0.2	3.0	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	2190		20	200	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	15.5		0.4	5.0	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Calcium, Total	P	196000		300	1000	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	78		2	10	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	11	J	0.9	50	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	111		4	20	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	254		2.1	5.0	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	112000		30	1000	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	4210		4	10	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	53		3	40	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Thallium, Total	P	10	U	7	10	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	107		0.7	50	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	428		3	20	1	08/16/22 21:19	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	1.0	U	0.4	1.0	1	08/19/22 10:47	RCVAA02_77468		08/17/22
Selenium, Total	P	16		7	10	1	08/23/22 18:25	RPAES06_775103	6AUG23A	08/11/22
Potassium, Total	P	150000		4000	20000	10	08/23/22 18:38	RPAES06_775103	6AUG23A	08/11/22
Sodium, Total	P	523000		2000	10000	10	08/23/22 18:38	RPAES06_775103	6AUG23A	08/11/22
Iron, Total	P	985000		3100	5000	50	08/23/22 18:48	RPAES06_775103	6AUG23A	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Expanded

Workorder
R2207262

Metals by EPA 6010C, Mercury by EPA 7470A

R2207262-MB

Method Blank

Matrix Water
Units ug/L
Prep Method 3005A/3010A, Method
Prep Amount Initial 50mL
 Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	100	U	30	100	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	20	U	3	20	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	200	U	20	200	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Calcium, Total	P	1000	U	300	1000	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Iron, Total	P	100	U	70	100	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	5.0	U	2.1	5.0	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	1000	U	30	1000	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	10	U	4	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Potassium, Total	P	2000	U	400	2000	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Sodium, Total	P	1000	U	200	1000	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Thallium, Total	P	10	U	7	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	20	U	3	20	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 10:15	RCVAA02_77468		08/17/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



General Chemistry

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water
Sample Name: MH-1N
Lab Code: R2207262-001

Service Request: R2207262
Date Collected: 08/04/22 11:50
Date Received: 08/04/22 16:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date	
							Date Analyzed	Extracted Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	1570	mg/L	6.0	5.4	3	08/16/22 15:51	NA
Ammonia as Nitrogen, undistilled	350.1	229	mg/L	25	13	500	08/12/22 21:28	NA
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	170	mg/L	2.0	-	1	08/05/22 09:00	NA
Bromide	300.0	13.1	mg/L	1.0	0.4	10	08/05/22 11:11	NA
Carbon, Total Organic (TOC), Average	9060A	200	mg/L	100	50	100	08/19/22 20:05	NA
Chemical Oxygen Demand, Total	410.4	1070	mg/L	25	19	5	08/09/22 14:30	NA
Chloride	300.0	906	mg/L	20	5	100	08/05/22 11:18	NA
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	0.003	1	08/05/22 00:01	NA
Color, True	SM 2120 B-2001(2011)	75.0	ColorUnits	5.0	-	5	08/05/22 16:40	NA
Cyanide, Total	Kelada-01	0.025 U	mg/L	0.025	0.020	5	08/11/22 01:41	NA
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	952	mg/L	6.62	-	1	NA	NA
Nitrate as Nitrogen	300.0	0.5 J	mg/L	1.0	0.2	10	08/05/22 11:11	NA
Nitrogen, Total Kjeldahl (TKN)	351.2	250	mg/L	80	60	4	08/16/22 13:16	08/15/22
pH of Color Analysis	SM 2120 B-2001(2011)	7.45	pH Units	-	-	5	08/05/22 16:15	NA
Phenolics, Total Recoverable	9066	0.037	mg/L	0.025	0.015	5	08/15/22 23:36	NA
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2080	mg/L	40	36	1	08/11/22 12:00	NA
Solids, Total Suspended (TSS)	SM 2540 D-2015	11600	mg/L	140	-	1	08/10/22 07:48	NA
Sulfate	300.0	12.6	mg/L	2.0	0.4	10	08/05/22 11:11	NA
Sulfide, Acid-Soluble	9034	1.0 U	mg/L	1.0	1.0	1	08/08/22 16:00	08/08/22



QC Summary Forms

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Extraction Method:

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	80-116	87-121
MH-1N	R2207262-001	90	107	104
Trip Blank	R2207262-002	90	106	105
Method Blank	RQ2209667-06	93	105	103
Lab Control Sample	RQ2209667-04	94	108	105

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2209667-06

Service Request: R2207262
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	5.0 U	5.0	0.20	1	08/15/22 12:44	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.20	1	08/15/22 12:44	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.20	1	08/15/22 12:44	
1,1,2-Trichloroethane	5.0 U	5.0	0.20	1	08/15/22 12:44	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	08/15/22 12:44	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.20	1	08/15/22 12:44	
1,1-Dichloropropene	5.0 U	5.0	0.20	1	08/15/22 12:44	
1,2,3-Trichloropropane	5.0 U	5.0	0.26	1	08/15/22 12:44	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	0.45	1	08/15/22 12:44	
1,2-Dibromoethane	5.0 U	5.0	0.20	1	08/15/22 12:44	
1,2-Dichloroethane	5.0 U	5.0	0.20	1	08/15/22 12:44	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	08/15/22 12:44	
1,3-Dichloropropane	5.0 U	5.0	0.20	1	08/15/22 12:44	
2,2-Dichloropropane	5.0 U	5.0	0.24	1	08/15/22 12:44	
2-Butanone (MEK)	10 U	10	0.78	1	08/15/22 12:44	
2-Chloro-1,3-butadiene	5.0 U	5.0	0.20	1	08/15/22 12:44	
2-Hexanone	10 U	10	0.20	1	08/15/22 12:44	
2-Methyl-1-propanol (Isobutyl Alcohol)	100 U	100	33	1	08/15/22 12:44	
3-Chloro-1-propene	5.0 U	5.0	0.36	1	08/15/22 12:44	
4-Methyl-2-pentanone	10 U	10	0.20	1	08/15/22 12:44	
Acetone	10 U	10	5.0	1	08/15/22 12:44	
Acetonitrile	100 U	100	5.2	1	08/15/22 12:44	
Acrolein	100 U	100	0.90	1	08/15/22 12:44	
Acrylonitrile	100 U	100	0.90	1	08/15/22 12:44	
Benzene	5.0 U	5.0	0.20	1	08/15/22 12:44	
Bromochloromethane	5.0 U	5.0	0.20	1	08/15/22 12:44	
Bromodichloromethane	5.0 U	5.0	0.20	1	08/15/22 12:44	
Bromoform	5.0 U	5.0	0.25	1	08/15/22 12:44	
Bromomethane	5.0 U	5.0	0.70	1	08/15/22 12:44	
Carbon Disulfide	10 U	10	0.42	1	08/15/22 12:44	
Carbon Tetrachloride	5.0 U	5.0	0.34	1	08/15/22 12:44	
Chlorobenzene	5.0 U	5.0	0.20	1	08/15/22 12:44	
Chloroethane	5.0 U	5.0	0.23	1	08/15/22 12:44	
Chloroform	5.0 U	5.0	0.24	1	08/15/22 12:44	
Chloromethane	5.0 U	5.0	0.28	1	08/15/22 12:44	
Dibromochloromethane	5.0 U	5.0	0.20	1	08/15/22 12:44	
Dibromomethane	5.0 U	5.0	0.20	1	08/15/22 12:44	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	0.21	1	08/15/22 12:44	
Dichloromethane	5.0 U	5.0	0.65	1	08/15/22 12:44	
Ethyl Methacrylate	10 U	10	0.20	1	08/15/22 12:44	
Ethylbenzene	5.0 U	5.0	0.20	1	08/15/22 12:44	
Iodomethane	10 U	10	4.3	1	08/15/22 12:44	
Methacrylonitrile	20 U	20	0.52	1	08/15/22 12:44	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2209667-06

Service Request: R2207262
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Methyl Methacrylate	10 U	10	0.24	1	08/15/22 12:44	
Propionitrile	100 U	100	3.0	1	08/15/22 12:44	
Styrene	5.0 U	5.0	0.20	1	08/15/22 12:44	
Tetrachloroethene (PCE)	5.0 U	5.0	0.21	1	08/15/22 12:44	
Toluene	5.0 U	5.0	0.20	1	08/15/22 12:44	
Trichloroethene (TCE)	5.0 U	5.0	0.20	1	08/15/22 12:44	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	0.24	1	08/15/22 12:44	
Vinyl Acetate	10 U	10	1.1	1	08/15/22 12:44	
Vinyl Chloride	5.0 U	5.0	0.20	1	08/15/22 12:44	
cis-1,2-Dichloroethene	5.0 U	5.0	0.23	1	08/15/22 12:44	
cis-1,3-Dichloropropene	5.0 U	5.0	0.20	1	08/15/22 12:44	
m,p-Xylenes	5.0 U	5.0	0.20	1	08/15/22 12:44	
o-Xylene	5.0 U	5.0	0.20	1	08/15/22 12:44	
trans-1,2-Dichloroethene	5.0 U	5.0	0.20	1	08/15/22 12:44	
trans-1,3-Dichloropropene	5.0 U	5.0	0.23	1	08/15/22 12:44	
trans-1,4-Dichloro-2-butene	5.0 U	5.0	0.78	1	08/15/22 12:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	08/15/22 12:44	
Dibromofluoromethane	105	80 - 116	08/15/22 12:44	
Toluene-d8	103	87 - 121	08/15/22 12:44	

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Analyzed: 08/15/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2209667-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	20.4	20.0	102	76-129
1,1,1-Trichloroethane (TCA)	8260C	19.7	20.0	99	75-125
1,1,2,2-Tetrachloroethane	8260C	17.8	20.0	89	78-126
1,1,2-Trichloroethane	8260C	19.5	20.0	98	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.3	20.0	97	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.7	20.0	104	71-118
1,1-Dichloropropene	8260C	16.7	20.0	83	76-118
1,2,3-Trichloropropane	8260C	18.5	20.0	92	75-118
1,2-Dibromo-3-chloropropane (DBCP)	8260C	21.5	20.0	108	55-136
1,2-Dibromoethane	8260C	19.2	20.0	96	82-127
1,2-Dichloroethane	8260C	18.3	20.0	91	71-127
1,2-Dichloropropane	8260C	17.6	20.0	88	80-119
1,3-Dichloropropane	8260C	17.7	20.0	88	83-119
2,2-Dichloropropane	8260C	17.2	20.0	86	61-139
2-Butanone (MEK)	8260C	18.7	20.0	93	61-137
2-Chloro-1,3-butadiene	8260C	18.2	20.0	91	68-139
2-Hexanone	8260C	17.6	20.0	88	63-124
2-Methyl-1-propanol (Isobutyl Alcohol)	8260C	288	400	72	51-143
3-Chloro-1-propene	8260C	19.9	20.0	99	61-143
4-Methyl-2-pentanone	8260C	17.9	20.0	89	66-124
Acetone	8260C	17.5	20.0	88	40-161
Acetonitrile	8260C	101	100	101	46-154
Acrolein	8260C	35.9 J	40.0	90	13-165
Acrylonitrile	8260C	93.2 J	100	93	71-130
Benzene	8260C	19.1	20.0	96	79-119
Bromochloromethane	8260C	20.3	20.0	102	81-126
Bromodichloromethane	8260C	19.9	20.0	100	81-123
Bromoform	8260C	23.8	20.0	119	65-146
Bromomethane	8260C	23.0	20.0	115	42-166
Carbon Disulfide	8260C	18.6	20.0	93	66-128
Carbon Tetrachloride	8260C	20.6	20.0	103	70-127
Chlorobenzene	8260C	17.8	20.0	89	80-121
Chloroethane	8260C	17.1	20.0	85	62-131

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Analyzed: 08/15/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2209667-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloroform	8260C	20.3	20.0	102	79-120
Chloromethane	8260C	18.9	20.0	94	65-135
Dibromochloromethane	8260C	22.6	20.0	113	72-128
Dibromomethane	8260C	19.6	20.0	98	80-118
Dichlorodifluoromethane (CFC 12)	8260C	14.4	20.0	72	59-155
Dichloromethane	8260C	19.4	20.0	97	73-122
Ethyl Methacrylate	8260C	17.2	20.0	86	68-132
Ethylbenzene	8260C	18.4	20.0	92	76-120
Iodomethane	8260C	18.3	20.0	92	18-160
Methacrylonitrile	8260C	18.2 J	20.0	91	68-123
Methyl Methacrylate	8260C	17.9	20.0	90	68-129
Propionitrile	8260C	88.8 J	100	89	69-126
Styrene	8260C	19.0	20.0	95	80-124
Tetrachloroethene (PCE)	8260C	17.8	20.0	89	72-125
Toluene	8260C	18.8	20.0	94	79-119
Trichloroethene (TCE)	8260C	18.3	20.0	91	74-122
Trichlorofluoromethane (CFC 11)	8260C	20.8	20.0	104	71-136
Vinyl Acetate	8260C	20.7	20.0	103	52-174
Vinyl Chloride	8260C	15.9	20.0	79	74-159
cis-1,2-Dichloroethene	8260C	20.3	20.0	101	80-121
cis-1,3-Dichloropropene	8260C	19.6	20.0	98	77-122
m,p-Xylenes	8260C	39.3	40.0	98	80-126
o-Xylene	8260C	18.8	20.0	94	79-123
trans-1,2-Dichloroethene	8260C	20.2	20.0	101	73-118
trans-1,3-Dichloropropene	8260C	19.8	20.0	99	71-133
trans-1,4-Dichloro-2-butene	8260C	16.1	20.0	80	39-137



Semivolatile Organic Compounds by GC/MS

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol	2-Fluorobiphenyl	2-Fluorophenol
		35-141	31-118	10-105
MH-1N	R2207262-001	80	41	44
Method Blank	RQ2209434-01	87	59	47
Lab Control Sample	RQ2209434-02	109	69	54
Duplicate Lab Control Sample	RQ2209434-03	112	68	51

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5	Phenol-d6	p-Terphenyl-d14
		31-110	10-107	10-165
MH-1N	R2207262-001	61	28	20
Method Blank	RQ2209434-01	70	30	74
Lab Control Sample	RQ2209434-02	76	37	88
Duplicate Lab Control Sample	RQ2209434-03	77	35	86

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2209434-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
1,2,4-Trichlorobenzene	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
1,2-Dichlorobenzene	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
1,3,5-Trinitrobenzene	10 U	10	4.4	1	08/13/22 11:43	8/10/22	
1,3-Dichlorobenzene	10 U	10	1.1	1	08/13/22 11:43	8/10/22	
1,3-Dinitrobenzene	10 U	10	1.8	1	08/13/22 11:43	8/10/22	
1,4-Dichlorobenzene	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
1,4-Naphthoquinone	50 U	50	1.4	1	08/13/22 11:43	8/10/22	
p-Phenylenediamine	50 U	50	-	1	08/13/22 11:43	8/10/22	
1-Naphthylamine	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
2,3,4,6-Tetrachlorophenol	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
2,4,5-Trichlorophenol	10 U	10	1.1	1	08/13/22 11:43	8/10/22	
2,4,6-Trichlorophenol	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
2,4-Dichlorophenol	10 U	10	1.3	1	08/13/22 11:43	8/10/22	
2,4-Dimethylphenol	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
2,4-Dinitrophenol	50 U	50	20	1	08/13/22 11:43	8/10/22	
2,4-Dinitrotoluene	10 U	10	2.4	1	08/13/22 11:43	8/10/22	
2,6-Dichlorophenol	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
2,6-Dinitrotoluene	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
2-Acetylaminofluorene	10 U	10	1.6	1	08/13/22 11:43	8/10/22	
2-Chloronaphthalene	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
2-Chlorophenol	10 U	10	1.1	1	08/13/22 11:43	8/10/22	
5-Nitro-2-methylaniline	10 U	10	1.9	1	08/13/22 11:43	8/10/22	
2-Methylnaphthalene	10 U	10	1.3	1	08/13/22 11:43	8/10/22	
2-Methylphenol	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
2-Naphthylamine	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
2-Nitroaniline	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
2-Nitrophenol	10 U	10	1.5	1	08/13/22 11:43	8/10/22	
3,3'-Dichlorobenzidine	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
3,3'-Dimethylbenzidine	50 U	50	8.2	1	08/13/22 11:43	8/10/22	
3- and 4-Methylphenol Coelution	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
3-Methylcholanthrene	10 U	10	1.5	1	08/13/22 11:43	8/10/22	
3-Nitroaniline	10 U	10	1.1	1	08/13/22 11:43	8/10/22	
4,6-Dinitro-2-methylphenol	50 U	50	8.7	1	08/13/22 11:43	8/10/22	
4-Aminobiphenyl	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
4-Bromophenyl Phenyl Ether	10 U	10	1.7	1	08/13/22 11:43	8/10/22	
4-Chloro-3-methylphenol	10 U	10	1.1	1	08/13/22 11:43	8/10/22	
4-Chloroaniline	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
4-Chlorophenyl Phenyl Ether	10 U	10	1.5	1	08/13/22 11:43	8/10/22	
4-Nitroaniline	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
4-Nitrophenol	50 U	50	6.4	1	08/13/22 11:43	8/10/22	
7,12-Dimethylbenz(a)anthracene	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
Acenaphthene	10 U	10	1.4	1	08/13/22 11:43	8/10/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2209434-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acenaphthylene	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
Acetophenone	10 U	10	1.3	1	08/13/22 11:43	8/10/22	
Anthracene	10 U	10	1.3	1	08/13/22 11:43	8/10/22	
Benz(a)anthracene	10 U	10	1.6	1	08/13/22 11:43	8/10/22	
Benzo(a)pyrene	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
Benzo(b)fluoranthene	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
Benzo(g,h,i)perylene	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
Benzo(k)fluoranthene	10 U	10	1.3	1	08/13/22 11:43	8/10/22	
Benzyl Alcohol	10 U	10	1.6	1	08/13/22 11:43	8/10/22	
2,2'-Oxybis(1-chloropropane)	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
Bis(2-chloroethoxy)methane	10 U	10	1.9	1	08/13/22 11:43	8/10/22	
Bis(2-chloroethyl) Ether	10 U	10	1.3	1	08/13/22 11:43	8/10/22	
Bis(2-ethylhexyl) Phthalate	10 U	10	7.8	1	08/13/22 11:43	8/10/22	
Butyl Benzyl Phthalate	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
Chlorobenzilate	10 U	10	1.3	1	08/13/22 11:43	8/10/22	
Chrysene	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
Di-n-butyl Phthalate	10 U	10	1.7	1	08/13/22 11:43	8/10/22	
Di-n-octyl Phthalate	10 U	10	3.3	1	08/13/22 11:43	8/10/22	
Diallate	10 U	10	2.0	1	08/13/22 11:43	8/10/22	
Dibenz(a,h)anthracene	10 U	10	1.1	1	08/13/22 11:43	8/10/22	
Dibenzofuran	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
Diethyl Phthalate	10 U	10	1.1	1	08/13/22 11:43	8/10/22	
Dimethoate	10 U	10	1.8	1	08/13/22 11:43	8/10/22	
Dimethyl Phthalate	10 U	10	1.3	1	08/13/22 11:43	8/10/22	
Diphenylamine	10 U	10	2.7	1	08/13/22 11:43	8/10/22	
Disulfoton	10 U	10	3.0	1	08/13/22 11:43	8/10/22	
Ethyl Methanesulfonate	10 U	10	1.1	1	08/13/22 11:43	8/10/22	
Fluoranthene	10 U	10	1.5	1	08/13/22 11:43	8/10/22	
Fluorene	10 U	10	1.3	1	08/13/22 11:43	8/10/22	
Hexachlorobenzene	10 U	10	1.6	1	08/13/22 11:43	8/10/22	
Hexachlorobutadiene	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
Hexachlorocyclopentadiene	10 U	10	2.2	1	08/13/22 11:43	8/10/22	
Hexachloroethane	10 U	10	1.1	1	08/13/22 11:43	8/10/22	
Hexachloropropene	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
Indeno(1,2,3-cd)pyrene	10 U	10	1.8	1	08/13/22 11:43	8/10/22	
Isodrin	10 U	10	1.5	1	08/13/22 11:43	8/10/22	
Isophorone	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
Isosafrole	10 U	10	1.7	1	08/13/22 11:43	8/10/22	
Methapyrilene	50 U	50	44	1	08/13/22 11:43	8/10/22	
Methyl Methanesulfonate	10 U	10	1.1	1	08/13/22 11:43	8/10/22	
Methyl Parathion	10 U	10	1.7	1	08/13/22 11:43	8/10/22	
N-Nitrosodi-n-butylamine	10 U	10	2.1	1	08/13/22 11:43	8/10/22	
N-Nitrosodi-n-propylamine	10 U	10	1.2	1	08/13/22 11:43	8/10/22	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2209434-01

Service Request: R2207262
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
N-Nitrosodiethylamine	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
N-Nitrosodimethylamine	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
N-Nitrosodiphenylamine	10 U	10	2.7	1	08/13/22 11:43	8/10/22	
N-Nitrosomethylethylamine	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
N-Nitrosopiperidine	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
N-Nitrosopyrrolidine	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
Naphthalene	10 U	10	1.2	1	08/13/22 11:43	8/10/22	
Nitrobenzene	10 U	10	1.5	1	08/13/22 11:43	8/10/22	
O,O,O-Triethyl Phosphorothioate	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
Parathion	10 U	10	3.5	1	08/13/22 11:43	8/10/22	
Pentachlorobenzene	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
Pentachloronitrobenzene (PCNB)	10 U	10	1.5	1	08/13/22 11:43	8/10/22	
Pentachlorophenol (PCP)	50 U	50	9.7	1	08/13/22 11:43	8/10/22	
Phenacetin	10 U	10	1.5	1	08/13/22 11:43	8/10/22	
Phenanthrene	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
Phenol	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
Phorate	10 U	10	1.4	1	08/13/22 11:43	8/10/22	
Pronamide	10 U	10	1.8	1	08/13/22 11:43	8/10/22	
Pyrene	10 U	10	1.5	1	08/13/22 11:43	8/10/22	
Safrole	10 U	10	1.3	1	08/13/22 11:43	8/10/22	
Thionazin	10 U	10	1.6	1	08/13/22 11:43	8/10/22	
o-Toluidine	10 U	10	1.0	1	08/13/22 11:43	8/10/22	
p-Dimethylaminoazobenzene	10 U	10	1.3	1	08/13/22 11:43	8/10/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	35 - 141	08/13/22 11:43	
2-Fluorobiphenyl	59	31 - 118	08/13/22 11:43	
2-Fluorophenol	47	10 - 105	08/13/22 11:43	
Nitrobenzene-d5	70	31 - 110	08/13/22 11:43	
Phenol-d6	30	10 - 107	08/13/22 11:43	
p-Terphenyl-d14	74	10 - 165	08/13/22 11:43	

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Analyzed: 08/13/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample RQ2209434-02					Duplicate Lab Control Sample RQ2209434-03					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	8270D	42.2	79.7	53	39.1	79.7	49	15-132	8	30
1,2,4-Trichlorobenzene	8270D	47.0	80.0	59	45.9	80.0	57	10-127	3	30
1,2-Dichlorobenzene	8270D	43.1	80.0	54	42.3	80.0	53	23-130	2	30
1,3-Dichlorobenzene	8270D	40.0	80.0	50	40.6	80.0	51	21-90	2	30
1,3-Dinitrobenzene	8270D	98.2	80.0	123	103	80.0	128	55-130	4	30
1,4-Dichlorobenzene	8270D	42.0	80.0	53	41.4	80.0	52	10-124	2	30
2,3,4,6-Tetrachlorophenol	8270D	94.8	80.0	118	99.2	80.0	124	42-136	5	30
2,4,5-Trichlorophenol	8270D	76.1	80.0	95	78.8	80.0	99	48-134	4	30
2,4,6-Trichlorophenol	8270D	75.3	80.0	94	78.2	80.0	98	44-135	4	30
2,4-Dichlorophenol	8270D	78.0	80.0	97	76.9	80.0	96	48-127	1	30
2,4-Dimethylphenol	8270D	63.8	80.0	80	67.2	80.0	84	35-99	5	30
2,4-Dinitrophenol	8270D	89.8	80.0	112	92.8	80.0	116	21-154	4	30
2,4-Dinitrotoluene	8270D	90.6	80.0	113	93.4	80.0	117	54-130	3	30
2,6-Dinitrotoluene	8270D	89.4	80.0	112	90.2	80.0	113	51-127	<1	30
2-Chloronaphthalene	8270D	49.5	80.0	62	49.5	80.0	62	40-108	<1	30
2-Chlorophenol	8270D	62.3	80.0	78	59.5	80.0	74	42-112	5	30
2-Methylnaphthalene	8270D	51.3	80.0	64	51.7	80.0	65	34-102	2	30
2-Methylphenol	8270D	54.2	80.0	68	54.1	80.0	68	47-100	<1	30
2-Nitroaniline	8270D	73.9	80.0	92	77.8	80.0	97	52-133	5	30
2-Nitrophenol	8270D	80.0	80.0	100	82.0	80.0	103	43-131	3	30
3,3'-Dichlorobenzidine	8270D	51.3	80.0	64	52.5	80.0	66	57-131	3	30
3- and 4-Methylphenol Coelution	8270D	50.5	80.0	63	47.6	80.0	60	40-92	5	30
3-Nitroaniline	8270D	80.6	80.0	101	81.0	80.0	101	50-125	<1	30
4,6-Dinitro-2-methylphenol	8270D	93.7	80.0	117	96.8	80.0	121	36-152	3	30
4-Bromophenyl Phenyl Ether	8270D	73.3	80.0	92	71.7	80.0	90	48-114	2	30
4-Chloro-3-methylphenol	8270D	70.0	80.0	88	72.7	80.0	91	52-113	3	30
4-Chloroaniline	8270D	72.2	80.0	90	70.6	80.0	88	44-109	2	30
4-Chlorophenyl Phenyl Ether	8270D	64.2	80.0	80	65.4	80.0	82	51-107	2	30
4-Nitroaniline	8270D	73.5	80.0	92	77.3	80.0	97	54-133	5	30
4-Nitrophenol	8270D	44.4 J	80.0	56	45.6 J	80.0	57	10-126	2	30
Acenaphthene	8270D	55.8	80.0	70	55.6	80.0	70	52-107	<1	30
Acenaphthylene	8270D	61.0	80.0	76	62.4	80.0	78	55-109	3	30
Acetophenone	8270D	108	160	67	111	160	69	46-114	3	30

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Analyzed: 08/13/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample RQ2209434-02					Duplicate Lab Control Sample RQ2209434-03					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Anthracene	8270D	69.9	80.0	87	72.4	80.0	90	55-116	3	30
Benz(a)anthracene	8270D	64.9	80.0	81	65.2	80.0	81	61-121	<1	30
Benzo(a)pyrene	8270D	79.2	80.0	99	83.0	80.0	104	68-144	5	30
Benzo(b)fluoranthene	8270D	66.1	80.0	83	66.7	80.0	83	62-115	<1	30
Benzo(g,h,i)perylene	8270D	69.0	80.0	86	69.9	80.0	87	63-136	1	30
Benzo(k)fluoranthene	8270D	68.4	80.0	86	71.1	80.0	89	49-133	3	30
Benzyl Alcohol	8270D	57.3	80.0	72	56.4	80.0	71	31-109	1	30
2,2'-Oxybis(1-chloropropane)	8270D	49.4	80.0	62	47.8	80.0	60	32-122	3	30
Bis(2-chloroethoxy)methane	8270D	71.0	80.0	89	72.8	80.0	91	53-124	2	30
Bis(2-chloroethyl) Ether	8270D	52.2	80.0	65	52.6	80.0	66	46-102	2	30
Bis(2-ethylhexyl) Phthalate	8270D	67.8	80.0	85	67.6	80.0	85	51-132	<1	30
Butyl Benzyl Phthalate	8270D	64.7	80.0	81	65.6	80.0	82	41-148	1	30
Chrysene	8270D	66.6	80.0	83	66.7	80.0	83	57-118	<1	30
Di-n-butyl Phthalate	8270D	80.2	80.0	100	80.6	80.0	101	75-144	<1	30
Di-n-octyl Phthalate	8270D	64.0	80.0	80	66.1	80.0	83	33-151	4	30
Dibenz(a,h)anthracene	8270D	58.1	80.0	73	57.2	80.0	72	54-135	1	30
Dibenzofuran	8270D	61.4	80.0	77	61.7	80.0	77	55-110	<1	30
Diethyl Phthalate	8270D	60.2	80.0	75	61.4	80.0	77	55-120	3	30
Dimethyl Phthalate	8270D	66.0	80.0	83	68.1	80.0	85	51-112	2	30
Fluoranthene	8270D	75.4	80.0	94	75.7	80.0	95	66-127	1	30
Fluorene	8270D	63.3	80.0	79	64.5	80.0	81	54-106	3	30
Hexachlorobenzene	8270D	74.6	80.0	93	78.2	80.0	98	53-123	5	30
Hexachlorobutadiene	8270D	49.0	80.0	61	46.5	80.0	58	16-95	5	30
Hexachlorocyclopentadiene	8270D	38.6	80.0	48	39.0	80.0	49	10-99	2	30
Hexachloroethane	8270D	36.7	80.0	46	36.2	80.0	45	15-92	2	30
Indeno(1,2,3-cd)pyrene	8270D	66.5	80.0	83	67.3	80.0	84	62-137	1	30
Isophorone	8270D	68.4	80.0	86	68.1	80.0	85	50-116	1	30
N-Nitrosodi-n-propylamine	8270D	54.7	80.0	68	55.6	80.0	69	49-115	1	30
N-Nitrosodimethylamine	8270D	41.0	80.0	51	39.1	80.0	49	31-70	4	30
N-Nitrosodiphenylamine	8270D	77.1	80.0	96	79.5	80.0	99	45-123	3	30
Naphthalene	8270D	51.0	80.0	64	50.3	80.0	63	38-99	2	30
Nitrobenzene	8270D	60.2	80.0	75	63.4	80.0	79	46-108	5	30
Pentachlorophenol (PCP)	8270D	73.3	80.0	92	77.4	80.0	97	29-164	5	30

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Analyzed: 08/13/22

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Analyte Name	Lab Control Sample				Duplicate Lab Control Sample					
	RQ2209434-02				RQ2209434-03					
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Phenanthrene	8270D	67.8	80.0	85	67.8	80.0	85	58-118	<1	30
Phenol	8270D	30.2	80.0	38	28.7	80.0	36	10-113	5	30
Pyrene	8270D	66.6	80.0	83	67.6	80.0	84	61-122	1	30



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262

SURROGATE RECOVERY SUMMARY
Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl	Tetrachloro-m-xylene
		10-164	10-147
MH-1N	R2207262-001	9*	26
MH-1N RE	R2207262-001	11	53
Method Blank	RQ2209394-01	51	72
Method Blank	RQ2210251-01	21	61
Lab Control Sample	RQ2209394-02	60	96
Duplicate Lab Control Sample	RQ2209394-03	41	85
Lab Control Sample	RQ2210251-02	29	74
Duplicate Lab Control Sample	RQ2210251-03	28	71

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2209394-01

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
4,4'-DDE	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
4,4'-DDT	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Aldrin	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Dieldrin	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Endosulfan I	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Endosulfan II	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Endosulfan Sulfate	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Endrin	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Endrin Aldehyde	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Heptachlor	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Heptachlor Epoxide	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Methoxychlor	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
Toxaphene	0.50 U	0.50	0.50	1	08/22/22 11:27	8/9/22	
alpha-BHC	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
alpha-Chlordane	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
beta-BHC	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
delta-BHC	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
gamma-BHC (Lindane)	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	
gamma-Chlordane	0.050 U	0.050	0.020	1	08/22/22 11:27	8/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	51	10 - 164	08/22/22 11:27	
Tetrachloro-m-xylene	72	10 - 147	08/22/22 11:27	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2210251-01

Service Request: R2207262
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
4,4'-DDE	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
4,4'-DDT	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Aldrin	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Dieldrin	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Endosulfan I	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Endosulfan II	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Endosulfan Sulfate	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Endrin	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Endrin Aldehyde	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Heptachlor	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Heptachlor Epoxide	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Methoxychlor	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
Toxaphene	0.50 U	0.50	0.50	1	08/26/22 19:20	8/26/22	
alpha-BHC	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
alpha-Chlordane	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
beta-BHC	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
delta-BHC	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
gamma-BHC (Lindane)	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	
gamma-Chlordane	0.050 U	0.050	0.020	1	08/26/22 19:20	8/26/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	21	10 - 164	08/26/22 19:20	
Tetrachloro-m-xylene	61	10 - 147	08/26/22 19:20	

ALS Group USA, Corp.
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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Analyzed: 08/22/22

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Units:ug/L
Basis:NA

Lab Control Sample					Duplicate Lab Control Sample					
RQ2209394-02					RQ2209394-03					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
4,4'-DDD	8081B	0.520	0.400	130	0.447	0.400	112	42-159	15	30
4,4'-DDE	8081B	0.475	0.400	119	0.420	0.400	105	47-147	12	30
4,4'-DDT	8081B	0.355	0.400	89	0.304	0.400	76	41-149	16	30
Aldrin	8081B	0.382	0.400	95	0.335	0.400	84	22-137	13	30
Dieldrin	8081B	0.475	0.400	119	0.429	0.400	107	52-144	10	30
Endosulfan I	8081B	0.481	0.400	120	0.437	0.400	109	52-136	10	30
Endosulfan II	8081B	0.496	0.400	124	0.444	0.400	111	57-138	11	30
Endosulfan Sulfate	8081B	0.487	0.400	122	0.422	0.400	105	34-156	14	30
Endrin	8081B	0.489	0.400	122	0.441	0.400	110	56-143	10	30
Endrin Aldehyde	8081B	0.273	0.400	68	0.228	0.400	57	10-166	18	30
Heptachlor	8081B	0.427	0.400	107	0.381	0.400	95	32-141	11	30
Heptachlor Epoxide	8081B	0.479	0.400	120	0.438	0.400	110	51-143	9	30
Methoxychlor	8081B	0.362	0.400	90	0.302	0.400	76	56-149	18	30
alpha-BHC	8081B	0.433	0.400	108	0.395	0.400	99	36-151	9	30
alpha-Chlordane	8081B	0.469	0.400	117	0.425	0.400	106	50-139	10	30
beta-BHC	8081B	0.449	0.400	112	0.411	0.400	103	55-149	9	30
delta-BHC	8081B	0.444	0.400	111	0.400	0.400	100	29-159	11	30
gamma-BHC (Lindane)	8081B	0.438	0.400	110	0.401	0.400	100	41-149	9	30
gamma-Chlordane	8081B	0.453	0.400	113	0.410	0.400	102	50-140	10	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Analyzed: 08/26/22

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Units:ug/L
Basis:NA

Lab Control Sample RQ2210251-02					Duplicate Lab Control Sample RQ2210251-03					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
4,4'-DDD	8081B	0.364	0.400	91	0.371	0.400	93	42-159	2	30
4,4'-DDE	8081B	0.337	0.400	84	0.360	0.400	90	47-147	7	30
4,4'-DDT	8081B	0.250	0.400	63	0.257	0.400	64	41-149	2	30
Aldrin	8081B	0.267	0.400	67	0.285	0.400	71	22-137	6	30
Dieldrin	8081B	0.347	0.400	87	0.369	0.400	92	52-144	6	30
Endosulfan I	8081B	0.348	0.400	87	0.375	0.400	94	52-136	7	30
Endosulfan II	8081B	0.413	0.400	103	0.377	0.400	94	57-138	9	30
Endosulfan Sulfate	8081B	0.350	0.400	88	0.343	0.400	86	34-156	2	30
Endrin	8081B	0.359	0.400	90	0.381	0.400	95	56-143	6	30
Endrin Aldehyde	8081B	0.176	0.400	44	0.192	0.400	48	10-166	9	30
Heptachlor	8081B	0.318	0.400	79	0.329	0.400	82	32-141	3	30
Heptachlor Epoxide	8081B	0.352	0.400	88	0.377	0.400	94	51-143	7	30
Methoxychlor	8081B	0.267	0.400	67	0.253	0.400	63	56-149	5	30
alpha-BHC	8081B	0.335	0.400	84	0.352	0.400	88	36-151	5	30
alpha-Chlordane	8081B	0.343	0.400	86	0.368	0.400	92	50-139	7	30
beta-BHC	8081B	0.343	0.400	86	0.360	0.400	90	55-149	5	30
delta-BHC	8081B	0.320	0.400	80	0.341	0.400	85	29-159	6	30
gamma-BHC (Lindane)	8081B	0.326	0.400	82	0.345	0.400	86	41-149	6	30
gamma-Chlordane	8081B	0.333	0.400	83	0.357	0.400	89	50-140	7	30

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dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl	Tetrachloro-m-xylene
		10-152	14-129
MH-1N	R2207262-001	10	23
Method Blank	RQ2209394-01	40	52
Lab Control Sample	RQ2209394-04	41	41
Duplicate Lab Control Sample	RQ2209394-05	42	70

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2209394-01

Service Request: R2207262
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	1.0 U	1.0	0.50	1	08/16/22 20:49	8/9/22	
Aroclor 1221	2.0 U	2.0	1.0	1	08/16/22 20:49	8/9/22	
Aroclor 1232	1.0 U	1.0	0.50	1	08/16/22 20:49	8/9/22	
Aroclor 1242	1.0 U	1.0	0.50	1	08/16/22 20:49	8/9/22	
Aroclor 1248	1.0 U	1.0	0.50	1	08/16/22 20:49	8/9/22	
Aroclor 1254	1.0 U	1.0	0.50	1	08/16/22 20:49	8/9/22	
Aroclor 1260	1.0 U	1.0	0.50	1	08/16/22 20:49	8/9/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	40	10 - 152	08/16/22 20:49	
Tetrachloro-m-xylene	52	14 - 129	08/16/22 20:49	

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dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Analyzed: 08/16/22

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

Lab Control Sample					Duplicate Lab Control Sample					
RQ2209394-04					RQ2209394-05					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aroclor 1016	8082A	2.00	4.00	50	3.36	4.00	84	49-123	51*	30
Aroclor 1260	8082A	2.17	4.00	54	2.74	4.00	69	30-120	23	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262

SURROGATE RECOVERY SUMMARY
Chlorinated Herbicides by GC

Analysis Method: 8151A
Extraction Method: Method

Sample Name	Lab Code	DCAA
		10-136
MH-1N	R2207262-001	60
Method Blank	RQ2209435-01	60
Lab Control Sample	RQ2209435-02	79
Duplicate Lab Control Sample	RQ2209435-03	75

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2209435-01

Service Request: R2207262
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-T	0.50 U	0.50	0.14	1	08/12/22 16:05	8/10/22	
2,4,5-TP	0.50 U	0.50	0.12	1	08/12/22 16:05	8/10/22	
2,4-D	0.50 U	0.50	0.35	1	08/12/22 16:05	8/10/22	
Dinoseb	0.50 U	0.50	0.21	1	08/12/22 16:05	8/10/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	60	10 - 136	08/12/22 16:05	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Analyzed: 08/12/22

Duplicate Lab Control Sample Summary
Chlorinated Herbicides by GC

Units:ug/L
Basis:NA

Lab Control Sample
RQ2209435-02

Duplicate Lab Control Sample
RQ2209435-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
2,4,5-T	8151A	1.33	2.00	67	1.21	2.00	60	21-125	10	30
2,4,5-TP	8151A	1.10	2.00	55	1.07	2.00	53	21-120	3	30
2,4-D	8151A	1.30	2.00	65	1.42	2.00	71	26-154	9	30
Dinoseb	8151A	1.15	2.00	57	0.868	2.00	43	13-112	28	30



Metals

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Form 3

Blanks

Mercury by EPA 7470A
Metals by EPA 6010C

Workorder
R2207262

Client
Barton & Loguidice, PC

Project
Auburn Landfill #1 - Expanded

08/31/2022

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Form 3 - Blanks

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Expanded

Workorder
R2207262

Mercury by EPA 7470A

RunID
RCVAA02_774688

RCVAA02_774688			ICB		CCB		CCB		MB404734		CCB		CCB	
Units			Run Date		08/19/22		08/19/22		08/19/22		08/19/22		08/19/22	
ug/L			Run Time		09:00		09:51		10:13		10:15		10:35	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Mercury, Total	0.08	0.20	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U

RCVAA02_774688			CCB		CCB									
Units			Run Date		08/19/22									
ug/L			Run Time		11:13									
Analyte	DL	LOQ	Result	Q	Result	Q								
Mercury, Total	0.08	0.20	0.08	U	0.08	U								



Form 3 - Blanks

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Expanded

Workorder
R2207262

Metals by EPA 6010C

RunID
RPAES06_774394

RPAES06_774394			ICB		CCB		CCB		MB404410		CCB		CCB	
Units			Run Date		Run Date		Run Date		Run Date		Run Date		Run Date	
ug/L			Run Time		Run Time		Run Time		Run Time		Run Time		Run Time	
Data File			Data File		Data File		Data File		Data File		Data File		Data File	
Analyte			DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Arsenic, Total			6	10	6	U	6	U	6	U	6	U	6	U
Beryllium, Total			0.2	3.0	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Cadmium, Total			0.4	5.0	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Chromium, Total			2	10	2	U	2	U	2	U	2	U	2	U
Copper, Total			4	20	4	U	4	U	4	U	4	U	4	U
Lead, Total			2.1	5.0	2.1	U	2.1	U	2.2	J	2.1	U	2.1	U
Manganese, Total			4	10	4	U	4	U	4	U	4	U	4	U
Potassium, Total			400	2000	400	U	400	U	400	U	400	U	400	U
Silver, Total			0.6	10	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Thallium, Total			7	10	7	U	7	U	7	U	7	U	7	U
Zinc, Total			3	20	3	U	3	U	3	U	3	U	3	U
Vanadium, Total			0.7	50	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Sodium, Total			200	1000	200	U	200	U	200	U	200	U	200	U
Selenium, Total			7	10	7	U	7	U	7	U	7	U	7	U
Nickel, Total			3	40	3	U	3	U	3	U	3	U	3	U
Magnesium, Total			30	1000	30	U	30	U	30	U	30	U	30	U
Iron, Total			70	100	70	U	70	U	70	U	70	U	70	U
Cobalt, Total			0.9	50	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U
Calcium, Total			300	1000	300	U	300	U	300	U	300	U	300	U
Boron, Total			20	200	20	U	20	U	20	U	20	U	20	U
Barium, Total			3	20	3	U	3	U	3	U	3	U	3	U
Antimony, Total			7	60	15	J	9	J	8	J	7	U	13	J
Aluminum, Total			30	100	30	U	30	U	30	U	30	U	30	U



Form 3 - Blanks

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Expanded

Workorder
R2207262

Metals by EPA 6010C

RunID
RPAES06_774394

RPAES06_774394			CCB		CCB	
Units ug/L			Run Date Run Time Data File		08/16/22 22:37 6AUG16A	
Analyte	DL	LOQ	Result	Q	Result	Q
Cobalt, Total	0.9	50	0.9	U	0.9	U
Copper, Total	4	20	4	U	4	U
Iron, Total	70	100	70	U	70	U
Magnesium, Total	30	1000	30	U	30	U
Manganese, Total	4	10	4	U	4	U
Nickel, Total	3	40	3	U	3	U
Selenium, Total	7	10	7	U	7	U
Silver, Total	0.6	10	0.6	U	0.6	U
Sodium, Total	200	1000	200	U	200	U
Vanadium, Total	0.7	50	0.7	U	0.7	U
Zinc, Total	3	20	3	U	3	U
Thallium, Total	7	10	7	U	7	U
Potassium, Total	400	2000	400	U	400	U
Lead, Total	2.1	5.0	2.1	U	2.1	U
Chromium, Total	2	10	2	U	2	U
Beryllium, Total	0.2	3.0	0.2	U	0.2	U
Boron, Total	20	200	20	U	20	U
Cadmium, Total	0.4	5.0	0.4	U	0.4	U
Calcium, Total	300	1000	300	U	300	U
Arsenic, Total	6	10	6	U	6	U
Barium, Total	3	20	3	U	3	U
Antimony, Total	7	60	8	J	14	J
Aluminum, Total	30	100	30	U	30	U



Form 3 - Blanks

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Expanded

Workorder
R2207262

Metals by EPA 6010C

RunID
RPAES06_775103

RPAES06_775103			ICB		CCB		CCB		CCB		CCB		CCB	
Units			Run Date		08/23/22		08/23/22		08/23/22		08/23/22		08/23/22	
ug/L			Run Time		17:04		17:20		18:06		18:45		19:24	
Data File			6AUG23A		6AUG23A		6AUG23A		6AUG23A		6AUG23A		6AUG23A	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Selenium, Total	7	10	7	U	7	U	7	U	7	U	7	U	7	U
Sodium, Total	200	1000	200	U	200	U	200	U	200	U	200	U	200	U
Potassium, Total	400	2000	400	U	400	U	400	U	400	U	400	U	400	U
Iron, Total	70	100	70	U	70	U	70	U	70	U	70	U	70	U

RPAES06_775103			CCB	
Units			Run Date	
ug/L			Run Time	
Data File			6AUG23A	
Analyte	DL	LOQ	Result	Q
Selenium, Total	7	10	7	U
Sodium, Total	200	1000	200	U
Potassium, Total	400	2000	400	U
Iron, Total	70	100	70	U



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Form 7

Laboratory Control Sample

Metals by EPA 6010C
Mercury by EPA 7470A

Workorder
R2207262

Client
Barton & Loguidice, PC

Project
Auburn Landfill #1 - Expanded

08/31/2022

ALS Environmental–Rochester Laboratory

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Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Expanded

Workorder
R2207262

Mercury by EPA 7470A

RunID
RCVAA02_774688

RCVAA02_774688				R2207262-LCS				
QC Matrix	Water		Run Date	08/19/22				
Prep Method	Method	Units	Run Time	10:17				
Prep Batch	404734 08/17/22	ug/L	Prep Amt	25 mL				
Analyte		%R Limits	Spike Added	LCS Result	%R	Q		
Mercury, Total		80-120	1.00	0.992	99			

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Expanded

Workorder
R2207262

Metals by EPA 6010C

RunID
RPAES06_774394

RPAES06_774394				R2207262-LCS		
QC Matrix	Water		Run Date	08/16/22		
Prep Method	EPA 3005A/3010A	Units	Run Time	20:30		
Prep Batch	404410 08/11/22	ug/L	Prep Amt	50 mL		
Analyte	%R Limits	Spike Added	LCS Result	%R	Q	
Aluminum, Total	80-120	2000	1990	99		
Antimony, Total	80-120	500	499	100		
Arsenic, Total	80-120	40	39	98		
Barium, Total	80-120	2000	2070	104		
Beryllium, Total	80-120	50.0	47.6	95		
Boron, Total	80-120	1000	990	99		
Cadmium, Total	80-120	50.0	50.7	101		
Calcium, Total	80-120	2000	2000	99		
Chromium, Total	80-120	200	202	101		
Cobalt, Total	80-120	500	508	102		
Copper, Total	80-120	250	246	98		
Iron, Total	80-120	1000	1000	100		
Lead, Total	80-120	500	505	101		
Magnesium, Total	80-120	2000	1900	96		
Manganese, Total	80-120	500	502	100		
Nickel, Total	80-120	500	507	101		
Potassium, Total	80-120	20000	17700	88		
Selenium, Total	80-120	1010	944	93		
Silver, Total	80-120	50	49	99		
Sodium, Total	80-120	20000	19500	97		
Thallium, Total	80-120	2000	1840	92		
Vanadium, Total	80-120	500	488	98		
Zinc, Total	80-120	500	489	98		

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



General Chemistry

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207262-MB

Service Request: R2207262
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1.8	1	08/16/22 13:11	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	0.026	1	08/12/22 21:17	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	-	1	08/05/22 14:23	NA	
Bromide	300.0	0.10 U	mg/L	0.10	0.04	1	08/05/22 09:12	NA	
Carbon, Total Organic (TOC), Average	9060A	1.0 U	mg/L	1.0	0.5	1	08/19/22 18:04	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.8	1	08/09/22 14:30	NA	
Chloride	300.0	0.20 U	mg/L	0.20	0.05	1	08/05/22 09:12	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	0.003	1	08/04/22 23:50	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	-	1	08/05/22 16:40	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	0.0040	1	08/11/22 01:01	NA	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	0.02	1	08/05/22 09:12	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	0.15	1	08/16/22 13:11	08/15/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0029	1	08/15/22 22:24	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	9	1	08/11/22 12:00	NA	
Solids, Total Suspended (TSS)	SM 2540 D-2015	1.0 U	mg/L	1.0	-	1	08/10/22 07:48	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	0.04	1	08/05/22 09:12	NA	
Sulfide, Acid-Soluble	9034	1.0 U	mg/L	1.0	1.0	1	08/08/22 16:00	08/08/22	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Expanded/554.026.018
Sample Matrix: Water

Service Request: R2207262
Date Analyzed: 08/04/22 - 08/19/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2207262-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	20.9	20.0	104	80-120
Ammonia as Nitrogen, undistilled	350.1	0.252	0.250	101	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	185	198	94	85-115
Bromide	300.0	0.956	1.00	96	90-110
Carbon, Total Organic (TOC), Average	9060A	24.8	25.0	99	80-121
Chemical Oxygen Demand, Total	410.4	512	500	102	90-110
Chloride	300.0	1.93	2.00	96	90-110
Chromium, Hexavalent	7196A	0.102	0.100	102	80-120
Cyanide, Total	Kelada-01	0.0944	0.100	94	90-110
Nitrate as Nitrogen	300.0	0.966	1.00	97	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.57	2.50	103	90-110
Phenolics, Total Recoverable	9066	0.0412	0.0400	103	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	878	914	96	90-110
Solids, Total Suspended (TSS)	SM 2540 D-2015	194	214	91	80-120
Sulfate	300.0	1.96	2.00	98	90-110
Sulfide, Acid-Soluble	9034	6.41	10.4	62	10-125



September 01, 2022

Service Request No:R2207327

Mr. Matthew Strodel
Barton & Loguidice, PC
443 Electronics Parkway
Liverpool, NY 13088

Laboratory Results for: Auburn Landfill #1 - Baseline

Dear Mr.Strodel,

Enclosed are the results of the sample(s) submitted to our laboratory August 05, 2022
For your reference, these analyses have been assigned our service request number **R2207327**.

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

Please contact me if you have any questions. My extension is 7576. You may also contact me via email at Nicole.Mansen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Nicole Mansen
Project Manager

ADDRESS

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Narrative Documents

ALS Environmental—Rochester Laboratory

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Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline
Sample Matrix: Water

Service Request: R2207327
Date Received: 08/05/2022

CASE NARRATIVE

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

Sample Receipt:

Seventeen water samples were received for analysis at ALS Environmental on 08/05/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

Method SM5210B, R2207327-009: The BOD result was calculated from two bottles that had a %Difference >30%. The % Difference does not appear to be due to toxicity.

Volatiles by GC/MS:

Method 8260C, 08/15/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by

A handwritten signature in black ink, appearing to read "Nicol" followed by a stylized flourish.

Date

09/01/2022



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request:R2207327

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2207327-001	MW-3	8/5/2022	0952
R2207327-002	MW-3 VOA	8/4/2022	1300
R2207327-003	MW-28A	8/5/2022	1108
R2207327-004	MW-28A VOA	8/4/2022	1410
R2207327-005	MW-28B	8/5/2022	1115
R2207327-006	MW-28B VOA	8/4/2022	1332
R2207327-007	MW-29A	8/5/2022	1055
R2207327-008	MW-29A VOA	8/4/2022	1505
R2207327-009	MW-5AA	8/5/2022	0915
R2207327-010	MW-5AA VOA	8/4/2022	1235
R2207327-011	MW-29B	8/5/2022	1100
R2207327-012	MW-29B VOA	8/4/2022	1508
R2207327-013	MW-30B	8/5/2022	1045
R2207327-014	MW-30B VOA	8/4/2022	1430
R2207327-015	MW-30A	8/5/2022	1037
R2207327-016	MW-30A VOA	8/4/2022	1414
R2207327-017	Trip Blank	8/5/2022	



Cooler Receipt and Preservation

R2207327

5

Barton & Loguidice, PC

Auburn Landfill #1 - Baseline

Project/Client Barton

Folder Number _____

Cooler received on 8/5/22by: hucCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y ☒ N
2	Custody papers properly completed (ink, signed)?	☒ Y ☒ N
3	Did all bottles arrive in good condition (unbroken)?	☒ Y ☒ N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	☒ Y ☒ N

5a	Perchlorate samples have required headspace?	Y ☒ N ☒ NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y ☒ N ☒ NA
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as:	Bulk Encore 5035set <u>NA</u>

3. Temperature Readings Date: 8/5 Time: 1440 ID: IR#7 IR#11 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>3.1</u>	<u>0.8</u>					
Within 0-6°C?	☒ Y ☒ N	☒ Y ☒ N	Y ☒ N	Y ☒ N	Y ☒ N	Y ☒ N	Y ☒ N
If <0°C, were samples frozen?	Y ☒ N	Y ☒ N	Y ☒ N	Y ☒ N	Y ☒ N	Y ☒ N	Y ☒ N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
 & Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: for by huc on 8/5 at 1440
 5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y ☒ N

Cooler Breakdown/Preservation Check**: Date: 08/09/22 Time: 08/09/24 by: AL

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

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12	<u>225320</u>	NaOH	☒	☒	<u>199040</u>	<u>04/25</u>	<u>011</u>	<u>2 pellets</u>	<u>223675</u>	<u>7.12</u>
<2	<u>225320</u>	HNO ₃	☒	☒	<u>1122031</u>	<u>05/23</u>				
<2	<u>225320</u>	H ₂ SO ₄	☒	☒	<u>2120-10</u>	<u>04/23</u>				
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For <u>CN</u> , Phenol, 625, 608pest, 522	☒	☒	If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
 Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 22-04-20, 22-05-27, 051622-3EGY, 2631-1, 050922-1EKP
 Explain all Discrepancies/ Other Comments: 020722-2A00

Labels secondary reviewed by: AL

PC Secondary Review: _____

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

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Internal Chain of Custody Report

Service Request: R2207327[illegible]

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 5210 B-2016	8/9/2022	1556	R-014 / GESMERIAN	8/9/2022
		8/9/2022	1557	RT000686 / GESMERIAN	8/9/2022
		8/9/2022	1557	R-014 / GESMERIAN	8/9/2022
		8/9/2022	1558	R-Sink / GESMERIAN	8/9/2022
		8/9/2022	1559	RT000686 / GESMERIAN	8/9/2022
R2207327-002.01					
	8260C	8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
		8/15/2022	1127	In Lab / FNAEGLER	
		8/15/2022	1129	R-001-S10 / FNAEGLER	
R2207327-002.02					
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
R2207327-002.03					
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
R2207327-003.01					
	300.0,300.0,SM 2540 C-2015,7196A,300.0,300.0	8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1455	R-022 / GESMERIAN	
		8/9/2022	1457	RT000747 / GESMERIAN	
R2207327-003.02					
	9066,SM 5310 B-2014	8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1623	R-015 / GESMERIAN	
		8/9/2022	1624	RT000589 / GESMERIAN	
R2207327-003.03					
	7470A	8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-002 / GESMERIAN	
R2207327-003.04					
	SM 2320 B-1997(2011)	8/9/2022	1023	SMO / GESMERIAN	
		8/11/2022	1514	R-014 / GESMERIAN	
		8/11/2022	1515	RT000836 / GESMERIAN	
R2207327-003.05					

Internal Chain of Custody Report

Service Request: R2207327Page 10 of 104

Internal Chain of Custody Report

Service Request: R2207327

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ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	SM 5210 B-2016	8/9/2022	1557	RT000686 / GESMERIAN	8/9/2022
		8/9/2022	1557	R-014 / GESMERIAN	8/9/2022
		8/9/2022	1558	R-Sink / GESMERIAN	8/9/2022
		8/9/2022	1559	RT000686 / GESMERIAN	8/9/2022
R2207327-006.01					
	8260C	8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
		8/15/2022	1127	In Lab / FNAEGLER	
		8/15/2022	1130	R-001-S10 / FNAEGLER	
R2207327-006.02					
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
R2207327-006.03					
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
R2207327-007.01					
	300.0,300.0,SM 2540 C-2015,7196A,300.0,300.0	8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1455	R-022 / GESMERIAN	
		8/9/2022	1457	RT000747 / GESMERIAN	
R2207327-007.02					
	9066,SM 5310 B-2014	8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1623	R-015 / GESMERIAN	
		8/9/2022	1624	RT000589 / GESMERIAN	
R2207327-007.03					
	7470A	8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-002 / GESMERIAN	
R2207327-007.04					
	SM 2320 B-1997(2011)	8/9/2022	1023	SMO / GESMERIAN	
		8/11/2022	1514	R-014 / GESMERIAN	
		8/11/2022	1515	RT000836 / GESMERIAN	
R2207327-007.05					
	SM 2120 B-2001(2011)	8/9/2022	1023	SMO / GESMERIAN	

Internal Chain of Custody Report

Service Request: R2207327

R2207327-009.02

Internal Chain of Custody Report

Service Request: R2207327

Page 14 of 104

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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C	8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
		8/15/2022	1128	In Lab / FNAEGLER	
		8/15/2022	1130	R-001-S10 / FNAEGLER	
R2207327-010.02					
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
R2207327-010.03					
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
R2207327-011.01					
	300.0,SM 2540 C-2015,7196A,300.0,300.0,300.0				
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1455	R-022 / GESMERIAN	
		8/9/2022	1456	RT000747 / GESMERIAN	
R2207327-011.02					
	9066,SM 5310 B-2014				
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1623	R-015 / GESMERIAN	
		8/9/2022	1624	RT000589 / GESMERIAN	
R2207327-011.03					
	7470A				
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-002 / GESMERIAN	
R2207327-011.04					
	SM 2320 B-1997(2011)				
		8/9/2022	1023	SMO / GESMERIAN	
		8/11/2022	1514	R-014 / GESMERIAN	
		8/11/2022	1515	RT000836 / GESMERIAN	
R2207327-011.05					
	SM 2120 B-2001(2011)				
		8/9/2022	1023	SMO / GESMERIAN	
R2207327-011.06					
	Kelada-01				
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1623	R-015 / GESMERIAN	
		8/9/2022	1624	RT000589 / GESMERIAN	

Internal Chain of Custody Report

Service Request: R2207327

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ALS Group USA, Corp.
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Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C	8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
		8/15/2022	1128	In Lab / FNAEGLER	
		8/15/2022	1130	R-001-S10 / FNAEGLER	
		R2207327-014.02			
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
R2207327-014.03					
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
R2207327-015.01					
	300.0,SM 2540 C-2015,7196A,300.0,300.0,300.0				
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1455	R-022 / GESMERIAN	
		8/9/2022	1456	RT000747 / GESMERIAN	
R2207327-015.02					
	9066,SM 5310 B-2014				
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1623	R-015 / GESMERIAN	
		8/9/2022	1624	RT000589 / GESMERIAN	
R2207327-015.03					
	7470A				
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-002 / GESMERIAN	
R2207327-015.04					
	SM 2320 B-1997(2011)				
		8/9/2022	1023	SMO / GESMERIAN	
		8/11/2022	1514	R-014 / GESMERIAN	
		8/11/2022	1515	RT000836 / GESMERIAN	
R2207327-015.05					
	SM 2120 B-2001(2011)				
		8/9/2022	1023	SMO / GESMERIAN	
R2207327-015.06					
	Kelada-01				
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1623	R-015 / GESMERIAN	
		8/9/2022	1624	RT000589 / GESMERIAN	

Internal Chain of Custody Report

Service Request: R2207327

[illegible]

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Barton & Loguidice, PC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2207327-017.03		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	
		8/9/2022	1023	SMO / GESMERIAN	
		8/9/2022	1026	R-001 / GESMERIAN	



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations¹



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

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

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

ALS Laboratory Group

Acronyms

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

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Sample Name: MW-3
Lab Code: R2207327-001
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	MROGERSON
410.4		SMEDBURY
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A		SMEDBURY
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-3 VOA
Lab Code: R2207327-002
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-28A
Lab Code: R2207327-003
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	MROGERSON
410.4		SMEDBURY

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Sample Name: MW-28A
Lab Code: R2207327-003
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A		SMEDBURY
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-28A VOA
Lab Code: R2207327-004
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-28B
Lab Code: R2207327-005
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	MROGERSON
410.4		SMEDBURY
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A		SMEDBURY
7470A	BDIAMOND	BDIAMOND

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Sample Name: MW-28B
Lab Code: R2207327-005
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-28B VOA
Lab Code: R2207327-006
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-29A
Lab Code: R2207327-007
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	MROGERSON
410.4		SMEDBURY
6010C	CDISTEFANO	BDIAMOND
6010C	CDISTEFANO	CKUTZER
7196A		SMEDBURY
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KWONG

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Sample Name: MW-29A
Lab Code: R2207327-007
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method
SM 2540 C-2015
SM 5210 B-2016
SM 5310 B-2014

Extracted/Digested By

Analyzed By
KAWONG
STALARICO
SMORGAN

Sample Name: MW-29A VOA
Lab Code: R2207327-008
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/5/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-5AA
Lab Code: R2207327-009
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method
300.0
350.1
351.2
410.4
6010C
6010C
7196A
7470A
9066
Kelada-01
SM 2120 B-2001(2011)
SM 2320 B-1997(2011)
SM 2540 C-2015
SM 5210 B-2016
SM 5310 B-2014

Extracted/Digested By

Analyzed By
SMORGAN
MROGERSON
MROGERSON
SMEDBURY
BDIAMOND
CKUTZER
SMEDBURY
BDIAMOND
BBOWE
CWOODS
SMEDBURY
KWONG
KAWONG
STALARICO
SMORGAN

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Sample Name: MW-5AA VOA
Lab Code: R2207327-010
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/5/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-29B
Lab Code: R2207327-011
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method**Extracted/Digested By****Analyzed By**

300.0

SMORGAN

350.1

MROGERSON

351.2

SMORGAN

MROGERSON

410.4

SMEDBURY

6010C

CDISTEFANO

BDIAMOND

6010C

CDISTEFANO

CKUTZER

7196A

SMEDBURY

7470A

BDIAMOND

BDIAMOND

9066

BBOWE

Kelada-01

CWOODS

SM 2120 B-2001(2011)

SMEDBURY

SM 2320 B-1997(2011)

KWONG

SM 2540 C-2015

KAWONG

SM 5210 B-2016

STALARICO

SM 5310 B-2014

SMORGAN

Sample Name: MW-29B VOA
Lab Code: R2207327-012
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/5/22

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Sample Name: MW-30B
Lab Code: R2207327-013
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	MROGERSON
410.4		SMEDBURY
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A		SMEDBURY
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-30B VOA
Lab Code: R2207327-014
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW-30A
Lab Code: R2207327-015
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
350.1		MROGERSON
351.2	SMORGAN	MROGERSON
410.4		SMEDBURY

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Analyst Summary report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018

Service Request: R2207327

Sample Name: MW-30A
Lab Code: R2207327-015
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CDISTEFANO	CKUTZER
6010C	CDISTEFANO	BDIAMOND
7196A		SMEDBURY
7470A	BDIAMOND	BDIAMOND
9066		BBOWE
Kelada-01		CWOODS
SM 2120 B-2001(2011)		SMEDBURY
SM 2320 B-1997(2011)		KWONG
SM 2540 C-2015		KAWONG
SM 5210 B-2016		STALARICO
SM 5310 B-2014		SMORGAN

Sample Name: MW-30A VOA
Lab Code: R2207327-016
Sample Matrix: Water

Date Collected: 08/4/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: Trip Blank
Lab Code: R2207327-017
Sample Matrix: Water

Date Collected: 08/5/22
Date Received: 08/5/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER



INORGANIC PREPARATION METHODS

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

Water/Liquid Matrix

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

Solid/Soil/Non-Aqueous Matrix

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



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 13:00
Date Received: 08/05/22 14:35

Sample Name: MW-3 VOA
Lab Code: R2207327-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 15:50	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/15/22 15:50	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 15:50	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/15/22 15:50	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/15/22 15:50	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/15/22 15:50	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/15/22 15:50	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/15/22 15:50	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/15/22 15:50	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 15:50	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/15/22 15:50	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/15/22 15:50	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 15:50	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/15/22 15:50	
2-Hexanone	5.0 U	5.0	0.20	1	08/15/22 15:50	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/15/22 15:50	
Acetone	5.0 U	5.0	5.0	1	08/15/22 15:50	
Acrylonitrile	10 U	10	0.90	1	08/15/22 15:50	
Benzene	1.0 U	1.0	0.20	1	08/15/22 15:50	
Bromochloromethane	1.0 U	1.0	0.20	1	08/15/22 15:50	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/15/22 15:50	
Bromoform	1.0 U	1.0	0.25	1	08/15/22 15:50	
Bromomethane	1.0 U	1.0	0.70	1	08/15/22 15:50	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/15/22 15:50	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/15/22 15:50	
Chlorobenzene	1.0 U	1.0	0.20	1	08/15/22 15:50	
Chloroethane	1.0 U	1.0	0.23	1	08/15/22 15:50	
Chloroform	1.0 U	1.0	0.24	1	08/15/22 15:50	
Chloromethane	1.0 U	1.0	0.28	1	08/15/22 15:50	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/15/22 15:50	
Dibromomethane	1.0 U	1.0	0.20	1	08/15/22 15:50	
Methylene Chloride	1.0 U	1.0	0.65	1	08/15/22 15:50	
Ethylbenzene	1.0 U	1.0	0.20	1	08/15/22 15:50	
Iodomethane	5.0 U	5.0	4.3	1	08/15/22 15:50	
Styrene	1.0 U	1.0	0.20	1	08/15/22 15:50	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/15/22 15:50	
Toluene	1.0 U	1.0	0.20	1	08/15/22 15:50	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/15/22 15:50	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/15/22 15:50	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/15/22 15:50	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/15/22 15:50	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/15/22 15:50	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/15/22 15:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 13:00
Date Received: 08/05/22 14:35

Sample Name: MW-3 VOA
Lab Code: R2207327-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/15/22 15:50	
o-Xylene	1.0 U	1.0	0.20	1	08/15/22 15:50	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/15/22 15:50	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/15/22 15:50	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/15/22 15:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	08/15/22 15:50	
Dibromofluoromethane	101	80 - 116	08/15/22 15:50	
Toluene-d8	104	87 - 121	08/15/22 15:50	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 14:10
Date Received: 08/05/22 14:35

Sample Name: MW-28A VOA
Lab Code: R2207327-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 16:12	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/15/22 16:12	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 16:12	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/15/22 16:12	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/15/22 16:12	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/15/22 16:12	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/15/22 16:12	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/15/22 16:12	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/15/22 16:12	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 16:12	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/15/22 16:12	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/15/22 16:12	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 16:12	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/15/22 16:12	
2-Hexanone	5.0 U	5.0	0.20	1	08/15/22 16:12	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/15/22 16:12	
Acetone	5.0 U	5.0	5.0	1	08/15/22 16:12	
Acrylonitrile	10 U	10	0.90	1	08/15/22 16:12	
Benzene	1.0 U	1.0	0.20	1	08/15/22 16:12	
Bromochloromethane	1.0 U	1.0	0.20	1	08/15/22 16:12	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/15/22 16:12	
Bromoform	1.0 U	1.0	0.25	1	08/15/22 16:12	
Bromomethane	1.0 U	1.0	0.70	1	08/15/22 16:12	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/15/22 16:12	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/15/22 16:12	
Chlorobenzene	1.0 U	1.0	0.20	1	08/15/22 16:12	
Chloroethane	1.0 U	1.0	0.23	1	08/15/22 16:12	
Chloroform	1.0 U	1.0	0.24	1	08/15/22 16:12	
Chloromethane	1.0 U	1.0	0.28	1	08/15/22 16:12	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/15/22 16:12	
Dibromomethane	1.0 U	1.0	0.20	1	08/15/22 16:12	
Methylene Chloride	1.0 U	1.0	0.65	1	08/15/22 16:12	
Ethylbenzene	1.0 U	1.0	0.20	1	08/15/22 16:12	
Iodomethane	5.0 U	5.0	4.3	1	08/15/22 16:12	
Styrene	1.0 U	1.0	0.20	1	08/15/22 16:12	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/15/22 16:12	
Toluene	1.0 U	1.0	0.20	1	08/15/22 16:12	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/15/22 16:12	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/15/22 16:12	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/15/22 16:12	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/15/22 16:12	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/15/22 16:12	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/15/22 16:12	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 14:10
Date Received: 08/05/22 14:35

Sample Name: MW-28A VOA
Lab Code: R2207327-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/15/22 16:12	
o-Xylene	1.0 U	1.0	0.20	1	08/15/22 16:12	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/15/22 16:12	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/15/22 16:12	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/15/22 16:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	08/15/22 16:12	
Dibromofluoromethane	110	80 - 116	08/15/22 16:12	
Toluene-d8	107	87 - 121	08/15/22 16:12	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 13:32
Date Received: 08/05/22 14:35

Sample Name: MW-28B VOA
Lab Code: R2207327-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 16:34	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/15/22 16:34	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 16:34	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/15/22 16:34	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/15/22 16:34	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/15/22 16:34	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/15/22 16:34	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/15/22 16:34	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/15/22 16:34	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 16:34	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/15/22 16:34	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/15/22 16:34	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 16:34	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/15/22 16:34	
2-Hexanone	5.0 U	5.0	0.20	1	08/15/22 16:34	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/15/22 16:34	
Acetone	5.0 U	5.0	5.0	1	08/15/22 16:34	
Acrylonitrile	10 U	10	0.90	1	08/15/22 16:34	
Benzene	1.0 U	1.0	0.20	1	08/15/22 16:34	
Bromochloromethane	1.0 U	1.0	0.20	1	08/15/22 16:34	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/15/22 16:34	
Bromoform	1.0 U	1.0	0.25	1	08/15/22 16:34	
Bromomethane	1.0 U	1.0	0.70	1	08/15/22 16:34	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/15/22 16:34	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/15/22 16:34	
Chlorobenzene	1.0 U	1.0	0.20	1	08/15/22 16:34	
Chloroethane	1.0 U	1.0	0.23	1	08/15/22 16:34	
Chloroform	1.0 U	1.0	0.24	1	08/15/22 16:34	
Chloromethane	1.0 U	1.0	0.28	1	08/15/22 16:34	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/15/22 16:34	
Dibromomethane	1.0 U	1.0	0.20	1	08/15/22 16:34	
Methylene Chloride	1.0 U	1.0	0.65	1	08/15/22 16:34	
Ethylbenzene	1.0 U	1.0	0.20	1	08/15/22 16:34	
Iodomethane	5.0 U	5.0	4.3	1	08/15/22 16:34	
Styrene	1.0 U	1.0	0.20	1	08/15/22 16:34	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/15/22 16:34	
Toluene	1.0 U	1.0	0.20	1	08/15/22 16:34	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/15/22 16:34	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/15/22 16:34	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/15/22 16:34	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/15/22 16:34	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/15/22 16:34	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/15/22 16:34	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 13:32
Date Received: 08/05/22 14:35

Sample Name: MW-28B VOA
Lab Code: R2207327-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/15/22 16:34	
o-Xylene	1.0 U	1.0	0.20	1	08/15/22 16:34	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/15/22 16:34	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/15/22 16:34	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/15/22 16:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	08/15/22 16:34	
Dibromofluoromethane	104	80 - 116	08/15/22 16:34	
Toluene-d8	106	87 - 121	08/15/22 16:34	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 15:05
Date Received: 08/05/22 14:35

Sample Name: MW-29A VOA
Lab Code: R2207327-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 16:55	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/15/22 16:55	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 16:55	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/15/22 16:55	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/15/22 16:55	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/15/22 16:55	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/15/22 16:55	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/15/22 16:55	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/15/22 16:55	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 16:55	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/15/22 16:55	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/15/22 16:55	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 16:55	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/15/22 16:55	
2-Hexanone	5.0 U	5.0	0.20	1	08/15/22 16:55	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/15/22 16:55	
Acetone	5.0 U	5.0	5.0	1	08/15/22 16:55	
Acrylonitrile	10 U	10	0.90	1	08/15/22 16:55	
Benzene	1.0 U	1.0	0.20	1	08/15/22 16:55	
Bromochloromethane	1.0 U	1.0	0.20	1	08/15/22 16:55	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/15/22 16:55	
Bromoform	1.0 U	1.0	0.25	1	08/15/22 16:55	
Bromomethane	1.0 U	1.0	0.70	1	08/15/22 16:55	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/15/22 16:55	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/15/22 16:55	
Chlorobenzene	1.0 U	1.0	0.20	1	08/15/22 16:55	
Chloroethane	1.0 U	1.0	0.23	1	08/15/22 16:55	
Chloroform	1.0 U	1.0	0.24	1	08/15/22 16:55	
Chloromethane	1.0 U	1.0	0.28	1	08/15/22 16:55	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/15/22 16:55	
Dibromomethane	1.0 U	1.0	0.20	1	08/15/22 16:55	
Methylene Chloride	1.0 U	1.0	0.65	1	08/15/22 16:55	
Ethylbenzene	1.0 U	1.0	0.20	1	08/15/22 16:55	
Iodomethane	5.0 U	5.0	4.3	1	08/15/22 16:55	
Styrene	1.0 U	1.0	0.20	1	08/15/22 16:55	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/15/22 16:55	
Toluene	1.0 U	1.0	0.20	1	08/15/22 16:55	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/15/22 16:55	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/15/22 16:55	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/15/22 16:55	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/15/22 16:55	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/15/22 16:55	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/15/22 16:55	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 15:05
Date Received: 08/05/22 14:35

Sample Name: MW-29A VOA
Lab Code: R2207327-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/15/22 16:55	
o-Xylene	1.0 U	1.0	0.20	1	08/15/22 16:55	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/15/22 16:55	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/15/22 16:55	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/15/22 16:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	08/15/22 16:55	
Dibromofluoromethane	108	80 - 116	08/15/22 16:55	
Toluene-d8	108	87 - 121	08/15/22 16:55	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 12:35
Date Received: 08/05/22 14:35

Sample Name: MW-5AA VOA
Lab Code: R2207327-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 17:17	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/15/22 17:17	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 17:17	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/15/22 17:17	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/15/22 17:17	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/15/22 17:17	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/15/22 17:17	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/15/22 17:17	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/15/22 17:17	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 17:17	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/15/22 17:17	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/15/22 17:17	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 17:17	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/15/22 17:17	
2-Hexanone	5.0 U	5.0	0.20	1	08/15/22 17:17	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/15/22 17:17	
Acetone	5.0 U	5.0	5.0	1	08/15/22 17:17	
Acrylonitrile	10 U	10	0.90	1	08/15/22 17:17	
Benzene	1.0 U	1.0	0.20	1	08/15/22 17:17	
Bromochloromethane	1.0 U	1.0	0.20	1	08/15/22 17:17	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/15/22 17:17	
Bromoform	1.0 U	1.0	0.25	1	08/15/22 17:17	
Bromomethane	1.0 U	1.0	0.70	1	08/15/22 17:17	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/15/22 17:17	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/15/22 17:17	
Chlorobenzene	1.0 U	1.0	0.20	1	08/15/22 17:17	
Chloroethane	1.0 U	1.0	0.23	1	08/15/22 17:17	
Chloroform	1.0 U	1.0	0.24	1	08/15/22 17:17	
Chloromethane	1.0 U	1.0	0.28	1	08/15/22 17:17	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/15/22 17:17	
Dibromomethane	1.0 U	1.0	0.20	1	08/15/22 17:17	
Methylene Chloride	1.0 U	1.0	0.65	1	08/15/22 17:17	
Ethylbenzene	1.0 U	1.0	0.20	1	08/15/22 17:17	
Iodomethane	5.0 U	5.0	4.3	1	08/15/22 17:17	
Styrene	1.0 U	1.0	0.20	1	08/15/22 17:17	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/15/22 17:17	
Toluene	1.0 U	1.0	0.20	1	08/15/22 17:17	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/15/22 17:17	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/15/22 17:17	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/15/22 17:17	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/15/22 17:17	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/15/22 17:17	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/15/22 17:17	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 12:35
Date Received: 08/05/22 14:35

Sample Name: MW-5AA VOA
Lab Code: R2207327-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/15/22 17:17	
o-Xylene	1.0 U	1.0	0.20	1	08/15/22 17:17	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/15/22 17:17	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/15/22 17:17	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/15/22 17:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	08/15/22 17:17	
Dibromofluoromethane	108	80 - 116	08/15/22 17:17	
Toluene-d8	106	87 - 121	08/15/22 17:17	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 15:08
Date Received: 08/05/22 14:35

Sample Name: MW-29B VOA
Lab Code: R2207327-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 17:39	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/15/22 17:39	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 17:39	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/15/22 17:39	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/15/22 17:39	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/15/22 17:39	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/15/22 17:39	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/15/22 17:39	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/15/22 17:39	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 17:39	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/15/22 17:39	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/15/22 17:39	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 17:39	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/15/22 17:39	
2-Hexanone	5.0 U	5.0	0.20	1	08/15/22 17:39	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/15/22 17:39	
Acetone	5.0 U	5.0	5.0	1	08/15/22 17:39	
Acrylonitrile	10 U	10	0.90	1	08/15/22 17:39	
Benzene	1.0 U	1.0	0.20	1	08/15/22 17:39	
Bromochloromethane	1.0 U	1.0	0.20	1	08/15/22 17:39	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/15/22 17:39	
Bromoform	1.0 U	1.0	0.25	1	08/15/22 17:39	
Bromomethane	1.0 U	1.0	0.70	1	08/15/22 17:39	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/15/22 17:39	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/15/22 17:39	
Chlorobenzene	1.0 U	1.0	0.20	1	08/15/22 17:39	
Chloroethane	1.0 U	1.0	0.23	1	08/15/22 17:39	
Chloroform	1.0 U	1.0	0.24	1	08/15/22 17:39	
Chloromethane	1.0 U	1.0	0.28	1	08/15/22 17:39	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/15/22 17:39	
Dibromomethane	1.0 U	1.0	0.20	1	08/15/22 17:39	
Methylene Chloride	1.0 U	1.0	0.65	1	08/15/22 17:39	
Ethylbenzene	1.0 U	1.0	0.20	1	08/15/22 17:39	
Iodomethane	5.0 U	5.0	4.3	1	08/15/22 17:39	
Styrene	1.0 U	1.0	0.20	1	08/15/22 17:39	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/15/22 17:39	
Toluene	1.0 U	1.0	0.20	1	08/15/22 17:39	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/15/22 17:39	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/15/22 17:39	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/15/22 17:39	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/15/22 17:39	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/15/22 17:39	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/15/22 17:39	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 15:08
Date Received: 08/05/22 14:35

Sample Name: MW-29B VOA
Lab Code: R2207327-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/15/22 17:39	
o-Xylene	1.0 U	1.0	0.20	1	08/15/22 17:39	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/15/22 17:39	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/15/22 17:39	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/15/22 17:39	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	08/15/22 17:39	
Dibromofluoromethane	108	80 - 116	08/15/22 17:39	
Toluene-d8	110	87 - 121	08/15/22 17:39	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 14:30
Date Received: 08/05/22 14:35

Sample Name: MW-30B VOA
Lab Code: R2207327-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 18:01	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/15/22 18:01	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 18:01	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/15/22 18:01	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/15/22 18:01	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/15/22 18:01	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/15/22 18:01	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/15/22 18:01	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/15/22 18:01	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 18:01	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/15/22 18:01	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/15/22 18:01	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 18:01	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/15/22 18:01	
2-Hexanone	5.0 U	5.0	0.20	1	08/15/22 18:01	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/15/22 18:01	
Acetone	5.0 U	5.0	5.0	1	08/15/22 18:01	
Acrylonitrile	10 U	10	0.90	1	08/15/22 18:01	
Benzene	1.0 U	1.0	0.20	1	08/15/22 18:01	
Bromochloromethane	1.0 U	1.0	0.20	1	08/15/22 18:01	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/15/22 18:01	
Bromoform	1.0 U	1.0	0.25	1	08/15/22 18:01	
Bromomethane	1.0 U	1.0	0.70	1	08/15/22 18:01	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/15/22 18:01	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/15/22 18:01	
Chlorobenzene	1.0 U	1.0	0.20	1	08/15/22 18:01	
Chloroethane	1.0 U	1.0	0.23	1	08/15/22 18:01	
Chloroform	1.0 U	1.0	0.24	1	08/15/22 18:01	
Chloromethane	1.0 U	1.0	0.28	1	08/15/22 18:01	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/15/22 18:01	
Dibromomethane	1.0 U	1.0	0.20	1	08/15/22 18:01	
Methylene Chloride	1.0 U	1.0	0.65	1	08/15/22 18:01	
Ethylbenzene	1.0 U	1.0	0.20	1	08/15/22 18:01	
Iodomethane	5.0 U	5.0	4.3	1	08/15/22 18:01	
Styrene	1.0 U	1.0	0.20	1	08/15/22 18:01	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/15/22 18:01	
Toluene	1.0 U	1.0	0.20	1	08/15/22 18:01	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/15/22 18:01	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/15/22 18:01	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/15/22 18:01	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/15/22 18:01	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/15/22 18:01	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/15/22 18:01	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 14:30
Date Received: 08/05/22 14:35

Sample Name: MW-30B VOA
Lab Code: R2207327-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/15/22 18:01	
o-Xylene	1.0 U	1.0	0.20	1	08/15/22 18:01	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/15/22 18:01	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/15/22 18:01	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/15/22 18:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	08/15/22 18:01	
Dibromofluoromethane	109	80 - 116	08/15/22 18:01	
Toluene-d8	106	87 - 121	08/15/22 18:01	

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dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 14:14
Date Received: 08/05/22 14:35

Sample Name: MW-30A VOA
Lab Code: R2207327-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 18:23	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/15/22 18:23	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 18:23	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/15/22 18:23	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/15/22 18:23	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/15/22 18:23	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/15/22 18:23	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/15/22 18:23	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/15/22 18:23	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 18:23	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/15/22 18:23	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/15/22 18:23	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 18:23	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/15/22 18:23	
2-Hexanone	5.0 U	5.0	0.20	1	08/15/22 18:23	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/15/22 18:23	
Acetone	5.0 U	5.0	5.0	1	08/15/22 18:23	
Acrylonitrile	10 U	10	0.90	1	08/15/22 18:23	
Benzene	1.0 U	1.0	0.20	1	08/15/22 18:23	
Bromochloromethane	1.0 U	1.0	0.20	1	08/15/22 18:23	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/15/22 18:23	
Bromoform	1.0 U	1.0	0.25	1	08/15/22 18:23	
Bromomethane	1.0 U	1.0	0.70	1	08/15/22 18:23	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/15/22 18:23	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/15/22 18:23	
Chlorobenzene	1.0 U	1.0	0.20	1	08/15/22 18:23	
Chloroethane	1.0 U	1.0	0.23	1	08/15/22 18:23	
Chloroform	1.0 U	1.0	0.24	1	08/15/22 18:23	
Chloromethane	1.0 U	1.0	0.28	1	08/15/22 18:23	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/15/22 18:23	
Dibromomethane	1.0 U	1.0	0.20	1	08/15/22 18:23	
Methylene Chloride	1.0 U	1.0	0.65	1	08/15/22 18:23	
Ethylbenzene	1.0 U	1.0	0.20	1	08/15/22 18:23	
Iodomethane	5.0 U	5.0	4.3	1	08/15/22 18:23	
Styrene	1.0 U	1.0	0.20	1	08/15/22 18:23	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/15/22 18:23	
Toluene	1.0 U	1.0	0.20	1	08/15/22 18:23	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/15/22 18:23	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/15/22 18:23	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/15/22 18:23	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/15/22 18:23	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/15/22 18:23	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/15/22 18:23	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/04/22 14:14
Date Received: 08/05/22 14:35

Sample Name: MW-30A VOA
Lab Code: R2207327-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/15/22 18:23	
o-Xylene	1.0 U	1.0	0.20	1	08/15/22 18:23	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/15/22 18:23	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/15/22 18:23	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/15/22 18:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	08/15/22 18:23	
Dibromofluoromethane	106	80 - 116	08/15/22 18:23	
Toluene-d8	107	87 - 121	08/15/22 18:23	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/05/22
Date Received: 08/05/22 14:35

Sample Name: Trip Blank
Lab Code: R2207327-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 15:28	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/15/22 15:28	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 15:28	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/15/22 15:28	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/15/22 15:28	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/15/22 15:28	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/15/22 15:28	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/15/22 15:28	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/15/22 15:28	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 15:28	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/15/22 15:28	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/15/22 15:28	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 15:28	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/15/22 15:28	
2-Hexanone	5.0 U	5.0	0.20	1	08/15/22 15:28	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/15/22 15:28	
Acetone	5.0 U	5.0	5.0	1	08/15/22 15:28	
Acrylonitrile	10 U	10	0.90	1	08/15/22 15:28	
Benzene	1.0 U	1.0	0.20	1	08/15/22 15:28	
Bromochloromethane	1.0 U	1.0	0.20	1	08/15/22 15:28	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/15/22 15:28	
Bromoform	1.0 U	1.0	0.25	1	08/15/22 15:28	
Bromomethane	1.0 U	1.0	0.70	1	08/15/22 15:28	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/15/22 15:28	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/15/22 15:28	
Chlorobenzene	1.0 U	1.0	0.20	1	08/15/22 15:28	
Chloroethane	1.0 U	1.0	0.23	1	08/15/22 15:28	
Chloroform	1.0 U	1.0	0.24	1	08/15/22 15:28	
Chloromethane	1.0 U	1.0	0.28	1	08/15/22 15:28	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/15/22 15:28	
Dibromomethane	1.0 U	1.0	0.20	1	08/15/22 15:28	
Methylene Chloride	1.0 U	1.0	0.65	1	08/15/22 15:28	
Ethylbenzene	1.0 U	1.0	0.20	1	08/15/22 15:28	
Iodomethane	5.0 U	5.0	4.3	1	08/15/22 15:28	
Styrene	1.0 U	1.0	0.20	1	08/15/22 15:28	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/15/22 15:28	
Toluene	1.0 U	1.0	0.20	1	08/15/22 15:28	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/15/22 15:28	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/15/22 15:28	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/15/22 15:28	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/15/22 15:28	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/15/22 15:28	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/15/22 15:28	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: Trip Blank
Lab Code: R2207327-017

Service Request: R2207327
Date Collected: 08/05/22
Date Received: 08/05/22 14:35

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/15/22 15:28	
o-Xylene	1.0 U	1.0	0.20	1	08/15/22 15:28	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/15/22 15:28	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/15/22 15:28	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/15/22 15:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	08/15/22 15:28	
Dibromofluoromethane	105	80 - 116	08/15/22 15:28	
Toluene-d8	105	87 - 121	08/15/22 15:28	



Metals

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Form 1

Inorganic Analysis Data Sheet

Metals by EPA 6010C Mercury by EPA 7470A

Workorder

R2207327

Client

Barton & Loguidice, PC

Project

Auburn Landfill #1 - Baseline

08/31/2022

ALS Environmental–Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C, Mercury by EPA 7470A

R2207327-001

MW-3

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/05/22 0952	08/05/22 1435	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	100	U	30	100	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	15	J	3	20	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	160	J	20	200	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Iron, Total	P	210		70	100	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	193000		30	1000	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	120		4	10	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Potassium, Total	P	4800		400	2000	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Sodium, Total	P	39900		200	1000	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	20	U	3	20	1	08/16/22 21:48	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 09:14	RCVAA02_77468		08/17/22
Thallium, Total	P	10	U	7	10	1	08/19/22 15:45	RPAES06_774772	6AUG19	08/11/22
Calcium, Total	P	402000		3000	10000	10	08/19/22 16:07	RPAES06_774772	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C, Mercury by EPA 7470A

R2207327-003

MW-28A

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/05/22 1108	08/05/22 1435	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	230		30	100	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	15	J	3	20	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	130	J	20	200	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Iron, Total	P	400		70	100	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	91600		30	1000	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	130		4	10	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Potassium, Total	P	1800	J	400	2000	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Sodium, Total	P	4900		200	1000	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	22		3	20	1	08/16/22 21:55	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 09:20	RCVAA02_77468		08/17/22
Thallium, Total	P	8	J	7	10	1	08/19/22 15:48	RPAES06_774772	6AUG19	08/11/22
Calcium, Total	P	432000		3000	10000	10	08/19/22 16:10	RPAES06_774772	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C, Mercury by EPA 7470A

R2207327-005

MW-28B

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/05/22 1115	08/05/22 1435	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	310		30	100	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	34		3	20	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	120	J	20	200	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Iron, Total	P	300		70	100	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	67400		30	1000	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	56		4	10	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Potassium, Total	P	2700		400	2000	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Sodium, Total	P	15000		200	1000	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Thallium, Total	P	7	J	7	10	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	26		3	20	1	08/16/22 21:58	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 09:22	RCVAA02_77468		08/17/22
Calcium, Total	P	314000		3000	10000	10	08/19/22 16:22	RPAES06_774772	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C, Mercury by EPA 7470A

R2207327-007

MW-29A

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/05/22 1055	08/05/22 1435	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	100	U	30	100	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	8	J	3	20	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	150	J	20	200	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Iron, Total	P	100	U	70	100	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	117000		30	1000	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	19		4	10	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Potassium, Total	P	1400	J	400	2000	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Sodium, Total	P	4900		200	1000	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Thallium, Total	P	8	J	7	10	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	4	J	3	20	1	08/16/22 22:01	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 09:24	RCVAA02_77468		08/17/22
Calcium, Total	P	444000		3000	10000	10	08/19/22 16:25	RPAES06_774772	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C, Mercury by EPA 7470A

R2207327-009

MW-5AA

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/05/22 0915	08/05/22 1435	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	50	J	30	100	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	10		6	10	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	9	J	3	20	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	440		20	200	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Iron, Total	P	4480		70	100	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	144000		30	1000	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	23		4	10	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	6	J	3	40	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Potassium, Total	P	18500		400	2000	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Sodium, Total	P	133000		200	1000	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	12	J	3	20	1	08/16/22 22:04	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 09:30	RCVAA02_77468		08/17/22
Thallium, Total	P	10	J	7	10	1	08/19/22 15:52	RPAES06_774772	6AUG19	08/11/22
Calcium, Total	P	406000		3000	10000	10	08/19/22 16:13	RPAES06_774772	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C, Mercury by EPA 7470A

R2207327-011

MW-29B

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/05/22 1100	08/05/22 1435	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	1370		30	100	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	15	J	3	20	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	140	J	20	200	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Iron, Total	P	3140		70	100	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	3	J	3	50	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	113000		30	1000	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	82		4	10	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Potassium, Total	P	2100		400	2000	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	0.6	J	0.6	10	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Sodium, Total	P	6300		200	1000	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Thallium, Total	P	9	J	7	10	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	2	J	0.7	50	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	11	J	3	20	1	08/16/22 22:08	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 09:32	RCVAA02_77468		08/17/22
Calcium, Total	P	455000		3000	10000	10	08/19/22 16:28	RPAES06_774772	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C, Mercury by EPA 7470A

R2207327-013

MW-30B

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/05/22 1045	08/05/22 1435	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	120		30	100	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	27		6	10	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	7	J	3	20	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	170	J	20	200	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Iron, Total	P	1840		70	100	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	121000		30	1000	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	79		4	10	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Potassium, Total	P	1600	J	400	2000	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Sodium, Total	P	14300		200	1000	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	5	J	3	20	1	08/16/22 22:11	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 09:34	RCVAA02_77468		08/17/22
Thallium, Total	P	10		7	10	1	08/19/22 15:55	RPAES06_774772	6AUG19	08/11/22
Calcium, Total	P	428000		3000	10000	10	08/19/22 16:16	RPAES06_774772	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C, Mercury by EPA 7470A

R2207327-015

MW-30A

Collected	Received	Matrix	Units	Prep Method	Prep Amount
08/05/22 1037	08/05/22 1435	Water	ug/L	3005A/3010A, Method	Initial 50mL Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	100	U	30	100	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	7	J	3	20	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	150	J	20	200	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Iron, Total	P	1620		70	100	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	128000		30	1000	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	34		4	10	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Potassium, Total	P	1500	J	400	2000	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Sodium, Total	P	8100		200	1000	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	3	J	3	20	1	08/16/22 22:14	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 09:36	RCVAA02_77468		08/17/22
Thallium, Total	P	9	J	7	10	1	08/19/22 15:58	RPAES06_774772	6AUG19	08/11/22
Calcium, Total	P	494000		3000	10000	10	08/19/22 16:19	RPAES06_774772	6AUG19	08/11/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



Form 1 - Inorganic Analysis Data Sheet

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C, Mercury by EPA 7470A

R2207327-MB

Method Blank

Matrix Water
Units ug/L
Prep Method 3005A/3010A, Method
Prep Amount Initial 50mL
 Final 50mL

Analyte	MC	Result	Q	DL	LOQ	DF	Analysis Date	Run ID	Data File	PrepDate
Aluminum, Total	P	100	U	30	100	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Antimony, Total	P	60	U	7	60	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Arsenic, Total	P	10	U	6	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Barium, Total	P	20	U	3	20	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Beryllium, Total	P	3.0	U	0.2	3.0	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Boron, Total	P	200	U	20	200	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Cadmium, Total	P	5.0	U	0.4	5.0	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Calcium, Total	P	1000	U	300	1000	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Chromium, Total	P	10	U	2	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Cobalt, Total	P	50	U	0.9	50	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Copper, Total	P	20	U	4	20	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Iron, Total	P	100	U	70	100	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Lead, Total	P	50	U	3	50	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Magnesium, Total	P	1000	U	30	1000	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Manganese, Total	P	10	U	4	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Nickel, Total	P	40	U	3	40	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Potassium, Total	P	2000	U	400	2000	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Selenium, Total	P	10	U	7	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Silver, Total	P	10	U	0.6	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Sodium, Total	P	1000	U	200	1000	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Thallium, Total	P	10	U	7	10	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Vanadium, Total	P	50	U	0.7	50	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Zinc, Total	P	20	U	3	20	1	08/16/22 20:27	RPAES06_774394	6AUG16A	08/11/22
Mercury, Total	CV	0.20	U	0.08	0.20	1	08/19/22 09:08	RCVAA02_77468		08/17/22

MC - Method Class CV - Cold Vapor AA P - ICP-AES MS - ICP-MS



General Chemistry

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-3
Lab Code: R2207327-001

Service Request: R2207327
Date Collected: 08/05/22 09:52
Date Received: 08/05/22 14:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	208	mg/L	2.0	1	08/16/22 17:12	NA	
Ammonia as Nitrogen, undistilled	350.1	0.242	mg/L	0.050	1	08/12/22 20:57	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 15:59	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 15:20	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	2.0	mg/L	1.0	1	08/17/22 16:45	NA	
Chemical Oxygen Demand, Total	410.4	5.9	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	58.1	mg/L	2.0	10	08/05/22 15:20	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/05/22 20:50	NA	
Color	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	08/05/22 21:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 01:45	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1800	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 15:20	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.45	mg/L	0.20	1	08/19/22 18:26	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.28	pH Units	-	1	08/05/22 21:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 18:16	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2380	mg/L	20	1	08/11/22 12:00	NA	
Sulfate	300.0	1380	mg/L	40	200	08/15/22 16:12	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-28A
Lab Code: R2207327-003

Service Request: R2207327
Date Collected: 08/05/22 11:08
Date Received: 08/05/22 14:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	148	mg/L	2.0	1	08/16/22 17:19	NA	
Ammonia as Nitrogen, undistilled	350.1	0.104	mg/L	0.050	1	08/12/22 20:58	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 16:02	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 15:39	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 16:55	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	2.8	mg/L	2.0	10	08/05/22 15:39	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/05/22 20:52	NA	
Color	SM 2120 B-2001(2011)	4.0	ColorUnits	1.0	1	08/05/22 21:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 01:49	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1460	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 15:39	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.43	mg/L	0.20	1	08/19/22 18:29	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.52	pH Units	-	1	08/05/22 21:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 18:28	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2010	mg/L	17	1	08/11/22 12:00	NA	
Sulfate	300.0	1210	mg/L	40	200	08/15/22 16:31	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-28B
Lab Code: R2207327-005

Service Request: R2207327
Date Collected: 08/05/22 11:15
Date Received: 08/05/22 14:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	144	mg/L	2.0	1	08/16/22 17:38	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/12/22 20:59	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 15:58	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 15:45	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 17:59	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	3.6	mg/L	2.0	10	08/05/22 15:45	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/05/22 20:53	NA	
Color	SM 2120 B-2001(2011)	3.0	ColorUnits	1.0	1	08/05/22 21:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 02:09	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1060	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 15:45	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/19/22 18:30	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.55	pH Units	-	1	08/05/22 21:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 18:32	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	1590	mg/L	17	1	08/11/22 12:00	NA	
Sulfate	300.0	938	mg/L	20	100	08/15/22 16:38	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-29A
Lab Code: R2207327-007

Service Request: R2207327
Date Collected: 08/05/22 10:55
Date Received: 08/05/22 14:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	157	mg/L	2.0	1	08/16/22 17:45	NA	
Ammonia as Nitrogen, undistilled	350.1	0.070	mg/L	0.050	1	08/12/22 21:00	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 15:53	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 15:51	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 18:09	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	7.4	mg/L	2.0	10	08/05/22 15:51	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/05/22 20:54	NA	
Color	SM 2120 B-2001(2011)	4.0	ColorUnits	1.0	1	08/05/22 21:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 02:21	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	1590	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 15:51	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/19/22 18:50	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.36	pH Units	-	1	08/05/22 21:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 18:52	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2070	mg/L	20	1	08/11/22 12:00	NA	
Sulfate	300.0	1380	mg/L	40	200	08/15/22 16:44	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-5AA
Lab Code: R2207327-009

Service Request: R2207327
Date Collected: 08/05/22 09:15
Date Received: 08/05/22 14:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	328	mg/L	2.0	1	08/16/22 17:53	NA	
Ammonia as Nitrogen, undistilled	350.1	23.1	mg/L	2.5	50	08/12/22 21:33	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	6.4	mg/L	2.0	1	08/05/22 16:04	NA	
Bromide	300.0	4.7	mg/L	1.0	10	08/05/22 15:57	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	14.3	mg/L	1.0	1	08/17/22 18:19	NA	
Chemical Oxygen Demand, Total	410.4	51.7	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	390	mg/L	20	100	08/15/22 11:24	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/05/22 20:54	NA	
Color	SM 2120 B-2001(2011)	5.0	ColorUnits	1.0	1	08/05/22 21:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 02:25	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1610	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 15:57	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	22.1	mg/L	1.0	5	08/19/22 19:15	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	6.98	pH Units	-	1	08/05/22 21:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 18:56	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2120	mg/L	33	1	08/11/22 12:00	NA	
Sulfate	300.0	993	mg/L	40	200	08/16/22 05:42	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: MW-29B
Lab Code: R2207327-011

Service Request: R2207327
Date Collected: 08/05/22 11:00
Date Received: 08/05/22 14:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	132	mg/L	2.0	1	08/16/22 17:59	NA	
Ammonia as Nitrogen, undistilled	350.1	0.099	mg/L	0.050	1	08/12/22 21:04	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 15:55	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/05/22 16:04	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 18:29	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	2.7	mg/L	2.0	10	08/05/22 16:04	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/05/22 20:55	NA	
Color	SM 2120 B-2001(2011)	7.0	ColorUnits	1.0	1	08/05/22 21:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 02:29	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1600	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 16:04	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.47	mg/L	0.20	1	08/19/22 18:51	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.38	pH Units	-	1	08/05/22 21:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 19:00	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2110	mg/L	20	1	08/11/22 12:00	NA	
Sulfate	300.0	1360	mg/L	40	200	08/15/22 16:50	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: MW-30B
Lab Code: R2207327-013

Service Request: R2207327
Date Collected: 08/05/22 10:45
Date Received: 08/05/22 14:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	113	mg/L	2.0	1	08/16/22 18:14	NA	
Ammonia as Nitrogen, undistilled	350.1	0.201	mg/L	0.050	1	08/12/22 21:05	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 16:00	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/16/22 13:53	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 18:38	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	2.8	mg/L	2.0	10	08/05/22 16:29	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/05/22 20:55	NA	
Color	SM 2120 B-2001(2011)	5.0	ColorUnits	1.0	1	08/05/22 21:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 02:33	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	1570	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 16:29	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.32	mg/L	0.20	1	08/19/22 18:52	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.34	pH Units	-	1	08/05/22 21:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 19:04	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2140	mg/L	20	1	08/11/22 12:00	NA	
Sulfate	300.0	1290	mg/L	40	200	08/15/22 11:37	NA	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: MW-30A
Lab Code: R2207327-015

Service Request: R2207327
Date Collected: 08/05/22 10:37
Date Received: 08/05/22 14:35

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	130	mg/L	2.0	1	08/16/22 18:20	NA	
Ammonia as Nitrogen, undistilled	350.1	0.150	mg/L	0.050	1	08/12/22 21:07	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 16:01	NA	
Bromide	300.0	1.0 U	mg/L	1.0	10	08/16/22 13:59	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 18:48	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	3.4	mg/L	2.0	10	08/05/22 16:48	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/05/22 20:57	NA	
Color	SM 2120 B-2001(2011)	5.0	ColorUnits	1.0	1	08/05/22 21:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 02:37	NA	
Hardness, Total as CaCO ₃	SM 2340 B-1997(2011)	1760	mg/L	6.62	1	NA	NA	
Nitrate as Nitrogen	300.0	1.0 U	mg/L	1.0	10	08/05/22 16:48	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.33	mg/L	0.20	1	08/19/22 18:53	08/18/22	
pH of Color Analysis	SM 2120 B-2001(2011)	7.26	pH Units	-	1	08/05/22 21:15	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 19:08	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	2300	mg/L	20	1	08/11/22 12:00	NA	
Sulfate	300.0	1480	mg/L	40	200	08/15/22 11:49	NA	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Extraction Method:

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	80-116	87-121
MW-3 VOA	R2207327-002	92	101	104
MW-28A VOA	R2207327-004	92	110	107
MW-28B VOA	R2207327-006	92	104	106
MW-29A VOA	R2207327-008	93	108	108
MW-5AA VOA	R2207327-010	94	108	106
MW-29B VOA	R2207327-012	96	108	110
MW-30B VOA	R2207327-014	91	109	106
MW-30A VOA	R2207327-016	94	106	107
Trip Blank	R2207327-017	93	105	105
Method Blank	RQ2209667-06	93	105	103
Lab Control Sample	RQ2209667-04	94	108	105

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2209667-06

Service Request: R2207327
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 12:44	
1,1,1-Trichloroethane (TCA)	1.0 U	1.0	0.20	1	08/15/22 12:44	
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.20	1	08/15/22 12:44	
1,1,2-Trichloroethane	1.0 U	1.0	0.20	1	08/15/22 12:44	
1,1-Dichloroethane (1,1-DCA)	1.0 U	1.0	0.20	1	08/15/22 12:44	
1,1-Dichloroethene (1,1-DCE)	1.0 U	1.0	0.20	1	08/15/22 12:44	
1,2,3-Trichloropropane	1.0 U	1.0	0.26	1	08/15/22 12:44	
1,2-Dibromo-3-chloropropane (DBCP)	2.0 U	2.0	0.45	1	08/15/22 12:44	
1,2-Dibromoethane	1.0 U	1.0	0.20	1	08/15/22 12:44	
1,2-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 12:44	
1,2-Dichloroethane	1.0 U	1.0	0.20	1	08/15/22 12:44	
1,2-Dichloropropane	1.0 U	1.0	0.20	1	08/15/22 12:44	
1,4-Dichlorobenzene	1.0 U	1.0	0.20	1	08/15/22 12:44	
2-Butanone (MEK)	5.0 U	5.0	0.78	1	08/15/22 12:44	
2-Hexanone	5.0 U	5.0	0.20	1	08/15/22 12:44	
4-Methyl-2-pentanone	5.0 U	5.0	0.20	1	08/15/22 12:44	
Acetone	5.0 U	5.0	5.0	1	08/15/22 12:44	
Acrylonitrile	10 U	10	0.90	1	08/15/22 12:44	
Benzene	1.0 U	1.0	0.20	1	08/15/22 12:44	
Bromochloromethane	1.0 U	1.0	0.20	1	08/15/22 12:44	
Bromodichloromethane	1.0 U	1.0	0.20	1	08/15/22 12:44	
Bromoform	1.0 U	1.0	0.25	1	08/15/22 12:44	
Bromomethane	1.0 U	1.0	0.70	1	08/15/22 12:44	
Carbon Disulfide	1.0 U	1.0	0.42	1	08/15/22 12:44	
Carbon Tetrachloride	1.0 U	1.0	0.34	1	08/15/22 12:44	
Chlorobenzene	1.0 U	1.0	0.20	1	08/15/22 12:44	
Chloroethane	1.0 U	1.0	0.23	1	08/15/22 12:44	
Chloroform	1.0 U	1.0	0.24	1	08/15/22 12:44	
Chloromethane	1.0 U	1.0	0.28	1	08/15/22 12:44	
Dibromochloromethane	1.0 U	1.0	0.20	1	08/15/22 12:44	
Dibromomethane	1.0 U	1.0	0.20	1	08/15/22 12:44	
Methylene Chloride	1.0 U	1.0	0.65	1	08/15/22 12:44	
Ethylbenzene	1.0 U	1.0	0.20	1	08/15/22 12:44	
Iodomethane	5.0 U	5.0	4.3	1	08/15/22 12:44	
Styrene	1.0 U	1.0	0.20	1	08/15/22 12:44	
Tetrachloroethene (PCE)	1.0 U	1.0	0.21	1	08/15/22 12:44	
Toluene	1.0 U	1.0	0.20	1	08/15/22 12:44	
Trichloroethene (TCE)	1.0 U	1.0	0.20	1	08/15/22 12:44	
Trichlorofluoromethane (CFC 11)	1.0 U	1.0	0.24	1	08/15/22 12:44	
Vinyl Acetate	2.0 U	2.0	1.1	1	08/15/22 12:44	
Vinyl Chloride	1.0 U	1.0	0.20	1	08/15/22 12:44	
cis-1,2-Dichloroethene	1.0 U	1.0	0.23	1	08/15/22 12:44	
cis-1,3-Dichloropropene	1.0 U	1.0	0.20	1	08/15/22 12:44	

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ2209667-06

Service Request: R2207327
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	2.0 U	2.0	0.20	1	08/15/22 12:44	
o-Xylene	1.0 U	1.0	0.20	1	08/15/22 12:44	
trans-1,2-Dichloroethene	1.0 U	1.0	0.20	1	08/15/22 12:44	
trans-1,3-Dichloropropene	1.0 U	1.0	0.23	1	08/15/22 12:44	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	0.78	1	08/15/22 12:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	08/15/22 12:44	
Dibromofluoromethane	105	80 - 116	08/15/22 12:44	
Toluene-d8	103	87 - 121	08/15/22 12:44	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Analyzed: 08/15/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2209667-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	20.4	20.0	102	76-129
1,1,1-Trichloroethane (TCA)	8260C	19.7	20.0	99	75-125
1,1,2,2-Tetrachloroethane	8260C	17.8	20.0	89	78-126
1,1,2-Trichloroethane	8260C	19.5	20.0	98	82-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.3	20.0	97	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.7	20.0	104	71-118
1,2,3-Trichloropropane	8260C	18.5	20.0	92	75-118
1,2-Dibromo-3-chloropropane (DBCP)	8260C	21.5	20.0	108	55-136
1,2-Dibromoethane	8260C	19.2	20.0	96	82-127
1,2-Dichlorobenzene	8260C	18.0	20.0	90	80-119
1,2-Dichloroethane	8260C	18.3	20.0	91	71-127
1,2-Dichloropropane	8260C	17.6	20.0	88	80-119
1,4-Dichlorobenzene	8260C	18.8	20.0	94	79-119
2-Butanone (MEK)	8260C	18.7	20.0	93	61-137
2-Hexanone	8260C	17.6	20.0	88	63-124
4-Methyl-2-pentanone	8260C	17.9	20.0	89	66-124
Acetone	8260C	17.5	20.0	88	40-161
Acrylonitrile	8260C	93.2	100	93	71-130
Benzene	8260C	19.1	20.0	96	79-119
Bromochloromethane	8260C	20.3	20.0	102	81-126
Bromodichloromethane	8260C	19.9	20.0	100	81-123
Bromoform	8260C	23.8	20.0	119	65-146
Bromomethane	8260C	23.0	20.0	115	42-166
Carbon Disulfide	8260C	18.6	20.0	93	66-128
Carbon Tetrachloride	8260C	20.6	20.0	103	70-127
Chlorobenzene	8260C	17.8	20.0	89	80-121
Chloroethane	8260C	17.1	20.0	85	62-131
Chloroform	8260C	20.3	20.0	102	79-120
Chloromethane	8260C	18.9	20.0	94	65-135
Dibromochloromethane	8260C	22.6	20.0	113	72-128
Dibromomethane	8260C	19.6	20.0	98	80-118
Methylene Chloride	8260C	19.4	20.0	97	73-122
Ethylbenzene	8260C	18.4	20.0	92	76-120

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Superset Reference:22-0000636266 rev 00

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Analyzed: 08/15/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2209667-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iodomethane	8260C	18.3	20.0	92	18-160
Styrene	8260C	19.0	20.0	95	80-124
Tetrachloroethene (PCE)	8260C	17.8	20.0	89	72-125
Toluene	8260C	18.8	20.0	94	79-119
Trichloroethene (TCE)	8260C	18.3	20.0	91	74-122
Trichlorofluoromethane (CFC 11)	8260C	20.8	20.0	104	71-136
Vinyl Acetate	8260C	20.7	20.0	103	52-174
Vinyl Chloride	8260C	15.9	20.0	79	74-159
cis-1,2-Dichloroethene	8260C	20.3	20.0	101	80-121
cis-1,3-Dichloropropene	8260C	19.6	20.0	98	77-122
m,p-Xylenes	8260C	39.3	40.0	98	80-126
o-Xylene	8260C	18.8	20.0	94	79-123
trans-1,2-Dichloroethene	8260C	20.2	20.0	101	73-118
trans-1,3-Dichloropropene	8260C	19.8	20.0	99	71-133
trans-1,4-Dichloro-2-butene	8260C	16.1	20.0	80	39-137



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Form 3

Blanks

Mercury by EPA 7470A
Metals by EPA 6010C

Workorder
R2207327

Client
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Project
Auburn Landfill #1 - Baseline

08/31/2022

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Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Mercury by EPA 7470A

RunID
RCVAA02_774682

RCVAA02_774682			ICB		CCB		MB404733		CCB		CCB		CCB	
Units			Run Date		08/19/22		08/19/22		08/19/22		08/19/22		08/19/22	
ug/L			Run Time		09:00		09:06		09:08		09:28		09:51	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Mercury, Total	0.08	0.20	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U



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Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C

RunID
RPAES06_774394

RPAES06_774394			ICB		CCB		CCB		MB404410		CCB		CCB	
Run Date Run Time Data File			08/16/22 18:04 6AUG16A		08/16/22 20:01 6AUG16A		08/16/22 20:24 6AUG16A		08/16/22 20:27 6AUG16A		08/16/22 21:03 6AUG16A		08/16/22 21:42 6AUG16A	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Arsenic, Total	6	10	6	U	6	U	6	U	6	U	6	U	6	U
Beryllium, Total	0.2	3.0	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Cadmium, Total	0.4	5.0	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Chromium, Total	2	10	2	U	2	U	2	U	2	U	2	U	2	U
Copper, Total	4	20	4	U	4	U	4	U	4	U	4	U	4	U
Lead, Total	3	50	3	U	3	U	3	U	3	U	3	U	3	U
Manganese, Total	4	10	4	U	4	U	4	U	4	U	4	U	4	U
Potassium, Total	400	2000	400	U	400	U	400	U	400	U	400	U	400	U
Silver, Total	0.6	10	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Thallium, Total	7	10	7	U	7	U	7	U	7	U	7	U	7	U
Zinc, Total	3	20	3	U	3	U	3	U	3	U	3	U	3	U
Vanadium, Total	0.7	50	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Sodium, Total	200	1000	200	U	200	U	200	U	200	U	200	U	200	U
Selenium, Total	7	10	7	U	7	U	7	U	7	U	7	U	7	U
Nickel, Total	3	40	3	U	3	U	3	U	3	U	3	U	3	U
Magnesium, Total	30	1000	30	U	30	U	30	U	30	U	30	U	30	U
Iron, Total	70	100	70	U	70	U	70	U	70	U	70	U	70	U
Cobalt, Total	0.9	50	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U
Calcium, Total	300	1000	300	U	300	U	300	U	300	U	300	U	300	U
Boron, Total	20	200	20	U	20	U	20	U	20	U	20	U	20	U
Barium, Total	3	20	3	U	3	U	3	U	3	U	3	U	3	U
Antimony, Total	7	60	15	J	9	J	8	J	7	U	13	J	13	J
Aluminum, Total	30	100	30	U	30	U	30	U	30	U	30	U	30	U



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Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C

RunID
RPAES06_774394

RPAES06_774394			CCB		CCB	
Units ug/L			Run Date Run Time Data File		08/16/22 22:37 6AUG16A	
Analyte	DL	LOQ	Result	Q	Result	Q
Cobalt, Total	0.9	50	0.9	U	0.9	U
Copper, Total	4	20	4	U	4	U
Iron, Total	70	100	70	U	70	U
Magnesium, Total	30	1000	30	U	30	U
Manganese, Total	4	10	4	U	4	U
Nickel, Total	3	40	3	U	3	U
Selenium, Total	7	10	7	U	7	U
Silver, Total	0.6	10	0.6	U	0.6	U
Sodium, Total	200	1000	200	U	200	U
Vanadium, Total	0.7	50	0.7	U	0.7	U
Zinc, Total	3	20	3	U	3	U
Thallium, Total	7	10	7	U	7	U
Potassium, Total	400	2000	400	U	400	U
Lead, Total	3	50	3	U	3	U
Chromium, Total	2	10	2	U	2	U
Beryllium, Total	0.2	3.0	0.2	U	0.2	U
Boron, Total	20	200	20	U	20	U
Cadmium, Total	0.4	5.0	0.4	U	0.4	U
Calcium, Total	300	1000	300	U	300	U
Arsenic, Total	6	10	6	U	6	U
Barium, Total	3	20	3	U	3	U
Antimony, Total	7	60	8	J	14	J
Aluminum, Total	30	100	30	U	30	U



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Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C

RunID
RPAES06_774772

RPAES06_774772			ICB		CCB		CCB		CCB		CCB		CCB	
Run Date			08/19/22		08/19/22		08/19/22		08/19/22		08/19/22		08/19/22	
Run Time			11:11		14:35		14:50		15:27		16:04		16:35	
Data File			6AUG19		6AUG19		6AUG19		6AUG19		6AUG19		6AUG19	
Analyte	DL	LOQ	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Thallium, Total	7	10	7	U	7	U	7	U	7	U	7	U	7	U
Calcium, Total	300	1000	300	U	300	U	300	U	300	U	300	U	300	U

RPAES06_774772			CCB	
Run Date			08/19/22	
Run Time			16:50	
Data File			6AUG19	
Analyte	DL	LOQ	Result	Q
Thallium, Total	7	10	8	J
Calcium, Total	300	1000	300	U



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Form 5A

Matrix Spike Sample Recovery

Mercury by EPA 7470A

Workorder

R2207327

Client

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Project

Auburn Landfill #1 - Baseline

08/31/2022

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Form 5A - Matrix Spike Sample Recovery

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Mercury by EPA 7470A

RunID
RCVAA02_774682

MW-3				R2207327-001			R2207327-001MS			R2207327-001DMS								
Samp Matrix		Water	Run Date	08/19/22			08/19/22			08/19/22								
Prep Method		Method	Units	Run Time			09:14			09:16						09:18		
Prep Batch		404733 08/17/22		ug/L	Prep Amt			25 mL			25 mL					25 mL		
Analyte	%R Limits	Spike Added	DF	Sample Result	Q	MS Result	%R	Q	MSD Result	%R	Q	RPD Limit	RPD	Q				
Mercury, Total		75-125	1.00	1	0.20	U	0.88	88		0.87	87		20	1				

Q - %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



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Form 7

Laboratory Control Sample

**Metals by EPA 6010C
Mercury by EPA 7470A**

Workorder

R2207327

Client

Barton & Loguidice, PC

Project

Auburn Landfill #1 - Baseline

08/31/2022

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Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Mercury by EPA 7470A

RunID
RCVAA02_774682

RCVAA02_774682				R2207327-LCS				
QC Matrix	Water		Run Date	08/19/22				
Prep Method	Method	Units	Run Time	09:10				
Prep Batch	404733 08/17/22	ug/L	Prep Amt	25 mL				
Analyte		%R Limits	Spike Added	LCS Result	%R	Q		
Mercury, Total		80-120	1.00	0.878	88			

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



Form 7 - Laboratory Control Sample

Client Barton & Loguidice, PC
Project Auburn Landfill #1 - Baseline

Workorder
R2207327

Metals by EPA 6010C

RunID
RPAES06_774394

RPAES06_774394				R2207327-LCS		
QC Matrix	Water		Run Date	08/16/22		
Prep Method	EPA 3005A/3010A	Units	Run Time	20:30		
Prep Batch	404410 08/11/22	ug/L	Prep Amt	50 mL		
Analyte	%R Limits	Spike Added	LCS Result	%R	Q	
Aluminum, Total	80-120	2000	1990	99		
Antimony, Total	80-120	500	499	100		
Arsenic, Total	80-120	40	39	98		
Barium, Total	80-120	2000	2070	104		
Beryllium, Total	80-120	50.0	47.6	95		
Boron, Total	80-120	1000	987	99		
Cadmium, Total	80-120	50.0	50.7	101		
Calcium, Total	80-120	2000	2000	99		
Chromium, Total	80-120	200	202	101		
Cobalt, Total	80-120	500	508	102		
Copper, Total	80-120	250	246	98		
Iron, Total	80-120	1000	998	100		
Lead, Total	80-120	500	505	101		
Magnesium, Total	80-120	2000	1930	96		
Manganese, Total	80-120	500	502	100		
Nickel, Total	80-120	500	507	101		
Potassium, Total	80-120	20000	17700	88		
Selenium, Total	80-120	1010	944	93		
Silver, Total	80-120	50	49.4	99		
Sodium, Total	80-120	20000	19500	97		
Thallium, Total	80-120	2000	1840	92		
Vanadium, Total	80-120	500	488	98		
Zinc, Total	80-120	500	489	98		

- %Recovery / RPD Flag * - %Recovery / RPD Outside Limits



General Chemistry

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Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207327-MB1

Service Request: R2207327
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	08/16/22 13:11	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/12/22 20:36	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	2.0 U	mg/L	2.0	1	08/05/22 17:12	NA	
Bromide	300.0	0.10 U	mg/L	0.10	1	08/16/22 12:55	NA	
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	mg/L	1.0	1	08/17/22 12:47	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	1	08/09/22 14:30	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	08/05/22 16:16	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	1	08/05/22 20:49	NA	
Color	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	1	08/05/22 21:15	NA	
Cyanide, Total	Kelada-01	0.0050 U	mg/L	0.0050	1	08/11/22 01:01	NA	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	1	08/05/22 11:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/19/22 18:14	08/18/22	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	1	08/15/22 17:44	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-2015	10 U	mg/L	10	1	08/11/22 12:00	NA	
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/15/22 10:47	NA	

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dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207327-MB2

Service Request: R2207327
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1	08/16/22 17:32	NA	
Ammonia as Nitrogen, undistilled	350.1	0.050 U	mg/L	0.050	1	08/12/22 21:17	NA	
Chloride	300.0	0.20 U	mg/L	0.20	1	08/15/22 10:47	NA	
Nitrate as Nitrogen	300.0	0.10 U	mg/L	0.10	1	08/05/22 16:16	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	1	08/19/22 19:42	08/18/22	
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/15/22 15:47	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2207327-MB3

Service Request: R2207327
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Sulfate	300.0	0.20 U	mg/L	0.20	1	08/16/22 04:14	

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/05/22
Date Received: 08/05/22
Date Analyzed: 08/05/22 - 08/15/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-3 **Units:** mg/L
Lab Code: R2207327-001 **Basis:** NA

Matrix Spike
R2207327-001MS

Duplicate Matrix Spike
R2207327-001DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Bromide	300.0	1.0 U	9.4	10.0	94	9.2	10.0	92	90-110	2	20
Chloride	300.0	58.1	72.8	20.0	73 *	71.4	20.0	66 *	90-110	2	20
Chromium, Hexavalent	7196A	0.010 U	0.098	0.100	98	0.10	0.100	100	85-115	2	20
Nitrate as Nitrogen	300.0	1.0 U	9.4	10.0	94	9.2	10.0	92	90-110	2	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0422	0.0400	106	0.0421	0.0400	105	49-137	<1	20
Sulfate	300.0	1380	1740	400	88 *	1710	400	81 *	90-110	2	20

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

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

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/05/22
Date Received: 08/05/22
Date Analyzed: 08/09/22 - 08/17/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-28A **Units:** mg/L
Lab Code: R2207327-003 **Basis:** NA

Matrix Spike
R2207327-003MS

Duplicate Matrix Spike
R2207327-003DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand, Total	410.4	5.0 U	26.5	25.0	106	25.6	25.0	102	90-110	4	20
Carbon, Total Organic (TOC)	SM 5310 B-2014	1.0 U	25.4	25.0	102	25.5	25.0	102	48-135	<1	20

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

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

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/05/22
Date Received: 08/05/22
Date Analyzed: 08/11/22

Duplicate Matrix Spike Summary
Cyanide, Total

Sample Name: MW-28B
Lab Code: R2207327-005
Analysis Method: Kelada-01

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike R2207327-005MS		Result	Duplicate Matrix Spike R2207327-005DMS		% Rec Limits	RPD	RPD Limit
			Spike Amount	% Rec		Spike Amount	% Rec			
Cyanide, Total	0.0050 U	0.102	0.100	102	0.102	0.100	102	90-110	<1	20

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

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

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

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/05/22
Date Received: 08/05/22
Date Analyzed: 8/5/22

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-30B **Units:** mg/L
Lab Code: R2207327-013 **Basis:** NA

Matrix Spike R2207327-013MS						Duplicate Matrix Spike R2207327-013DMS					
Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Chloride	300.0	2.8	21.1	20.0	92	21.4	20.0	93	90-110	1	20
Nitrate as Nitrogen	300.0	1.0 U	9.2	10.0	92	9.3	10.0	93	90-110	2	20

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

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

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/05/22
Date Received: 08/05/22
Date Analyzed: 08/12/22

Duplicate Matrix Spike Summary
Ammonia as Nitrogen, undistilled

Sample Name: MW-30A
Lab Code: R2207327-015
Analysis Method: 350.1

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R2207327-015MS			Duplicate Matrix Spike R2207327-015DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Ammonia as Nitrogen, undistilled	0.150	0.386	0.250	94	0.388	0.250	95	90-110	<1	20

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

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

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

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

ALS Group USA, Corp.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/05/22
Date Received: 08/05/22
Date Analyzed: 08/11/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-29B
Lab Code: R2207327-011

Units: mg/L
Basis: NA

		Duplicate Sample R2207327- 011DUP					
Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2207327- 011DUP Result	Average	RPD	RPD Limit
Solids, Total Dissolved (TDS)	SM 2540 C-2015	20	2110	2050	2080	3	10

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

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

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

ALS Group USA, Corp.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/05/22
Date Received: 08/05/22
Date Analyzed: 08/05/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-30A
Lab Code: R2207327-015

Units: ColorUnits
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2207327-015DUP Result	Average	RPD	RPD Limit
Color	SM 2120 B-2001(2011)	1.0	5.0	5.0	5.00	<1	5

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

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

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

ALS Group USA, Corp.

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QA/QC Report

Client: Barton & Loguidice, DPC
Project Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Collected: 08/05/22
Date Received: 08/05/22
Date Analyzed: 08/05/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-30A
Lab Code: R2207327-015

Units: pH Units
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample R2207327-015DUP Result	Average	RPD	RPD Limit
pH of Color Analysis	SM 2120 B-2001(2011)	-	7.26	7.26	7.26	<1	20

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

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

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

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QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Analyzed: 08/05/22 - 08/19/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2207327-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	20.9	20.0	104	80-120
Ammonia as Nitrogen, undistilled	350.1	0.250	0.250	100	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	179	198	90	85-115
Bromide	300.0	0.98	1.00	98	90-110
Carbon, Total Organic (TOC)	SM 5310 B-2014	23.1	25.0	92	80-121
Chemical Oxygen Demand, Total	410.4	55.2	50.0	110	90-110
Chloride	300.0	1.82	2.00	91	90-110
Chromium, Hexavalent	7196A	0.103	0.100	103	80-120
Cyanide, Total	Kelada-01	0.0944	0.100	94	90-110
Nitrate as Nitrogen	300.0	0.947	1.00	95	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.37	2.50	95	90-110
Phenolics, Total Recoverable	9066	0.0425	0.0400	106	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-2015	880	914	96	90-110
Sulfate	300.0	1.87	2.00	94	90-110

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Analyzed: 08/05/22 - 08/19/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2207327-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	21.6	20.0	108	80-120
Ammonia as Nitrogen, undistilled	350.1	0.252	0.250	101	90-110
Chloride	300.0	1.83	2.00	92	90-110
Nitrate as Nitrogen	300.0	0.91	1.00	91	90-110
Nitrogen, Total Kjeldahl (TKN)	351.2	2.28	2.50	91	90-110
Sulfate	300.0	1.87	2.00	93	90-110

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Barton & Loguidice, DPC
Project: Auburn Landfill #1 - Baseline/554.026.018
Sample Matrix: Water

Service Request: R2207327
Date Analyzed: 08/16/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L**Basis:**NA**Lab Control Sample**

R2207327-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sulfate	300.0	1.89	2.00	95	90-110

Appendix C

CITY OF AUBURN LANDFILL HISTORICAL WATER QUALITY DATA

PAGE INDEX

SAMPLING LOCATION	FIELD & INORGANIC PARAMETERS	TOTAL METALS	DISSOLVED METALS	ORGANIC COMPOUNDS (DETECTED)
LANDFILL 1				
MW-3	2-3	4-5	6-7	8
MW-4AA	10-11	12-13	14-15	16
MW-4B	18-19	20-21	22-23	24
MW-4C	26-27	28-29	30-31	32
MW-5AA	34-35	36-37	38-39	40
MW-5B	42-43	44-45	46-47	48
MW-7AA	50-51	52-53	54-55	56
MW-7BB	58-59	60-61	62-63	64
MW-11B	66-67	68-69	70-71	72
MW-11C	74-75	76-77	78-79	80
MW-18AA	82-83	84-85	86-87	88
MW-18CC	90-91	92-93	94-95	96
MW-19AA	98-99	100-101	102-103	104
MW-19CC	106-107	108-109	110-111	112
MW-20AA	114-115	116-117	118-119	120
MW-20C	122-123	124-125	126-127	128
MW-21A	130-131	132-133	134-135	136
MW-21C	138-139	140-141	142-143	144
MW-22A	146-147	148-149	150-151	152
MW-22C	154-155	156-157	158-159	160
MW-23AA	162-163	164-165	166-167	168
MW-23C	170-171	172-173	174-175	176
MW-24A	178-179	180-181	182-183	184
MW-24C	186-187	188-189	190-191	192
MW-25A	194-195	196-197	198-199	200
MW-25CC	202-203	204-205	206-207	208
MW-26A	210-211	212-213	214-215	216
MW-26C	218-219	220-221	222-223	224
MW-28A	226-227	228-229	230-231	232
MW-28B	234-235	236-237	238-239	240
MW-29A	242-243	244-245	246-247	248
MW-29B	250-251	252-253	254-255	256
MW-30A	258-259	260-261	262-263	264
MW-30B	266-267	268-269	270-271	272
LEACHATE				
MH-1N	274-275	276-277	278-279	280-281

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-3</i>											
04-Feb-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
20-May-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
27-Aug-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
27-Oct-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
12-Nov-04	8.9	-43	7.7	1459	3.4	-	370	890	1460	8	1220
07-Apr-05	9.5	-55	7.8	1258	1.2	20	250	760	1280	7	696
23-May-06	56.5	50	8.4	1747	6.4	13	230	910	1750	8	734
10-Aug-07	15.9	-107	7.8	613	4.5	11	200	1300	2090	16	1280
18-Nov-08	9.2	-82	7.6	1861	20.3	10	170	1500	2110	8	1350
20-Feb-09	6.0	-81	8.5	1578	8.2	20	180	1600	2180	11	1740
11-May-10	11.1	240	6.3	1008	0.8	10	170	1900	2400	12	1680
14-Jul-11	17.3	-62	7.5	2616	5.9	7	170	2100	2500	13	2030
11-Oct-12	13.6	139	7.8	2452	29.6	< 2	220	1700	2300	43	887
23-Jan-13	10.6	178	7.2	2426	19.0	25	220	1700	2200	39	509
02-Apr-14	9.2	42	7.4	2900	12.8	14	223	1940	2460	50	1700
12-Aug-15	10.5	-24	7.3	2600	13.2	12	181	1720	2640	45	1710
25-Oct-16	11.6	-72	7.4	2500	3.7	14	253	1510	1930	61	1210
05-Apr-17	7.7	-38	7.3	2500	3.8	10	236	1560	2030	63	1280
04-Apr-18	6.2	89	7.0	2409	5.4	14	241	1650	2140	64	1240
11-Jul-19	14.7	-3	7.4	2461	2.7	20	155	1650	2260	56	1280
16-Dec-20	7.7	70	7.2	2530	5.5	5	250	1720	2210	62	1360
03-Mar-21	5.8	85	7.2	2624	2.2	10	280	1760	2320	66	1400
05-Aug-22	12.6	50	7.3	2613	1.8	3	208	1800	2380	58	1380

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-3</i>											
04-Feb-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
20-May-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
27-Aug-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
27-Oct-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
12-Nov-04	-	-	-	1.3	2.47	-	< 20	-	5	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	0.5	< 0.50	2.30	< 20	< 4	3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	1.0	< 0.50	< 0.50	92	< 4	3	< 0.005	< 0.01
10-Aug-07	-	0.20 J	< 0.01	1.8	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	1.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
20-Feb-09	-	< 0.50	< 0.01	0.5	< 0.50	0.56	< 20	< 4	< 3	< 0.005	< 0.01
11-May-10	-	< 0.50	< 0.01	0.9	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.6	< 0.50	< 0.50	< 20	4	< 3	< 0.005	< 0.01
11-Oct-12	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	42	< 8	< 3	< 0.005	< 0.01
23-Jan-13	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
02-Apr-14	< 1	0.10	< 0.01	< 1.0	0.22	0.40	10	< 2	3	< 0.005	< 0.01
12-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.30	0.55	7	< 2	2	< 0.005	< 0.01
25-Oct-16	< 1	0.14	< 0.01	< 1.0	0.11	0.48	7	< 2	18	< 0.005	< 0.01
05-Apr-17	< 1	0.11	< 0.01	< 1.0	0.08	0.32	16	< 2	2	< 0.005	< 0.01
04-Apr-18	< 1	0.12	< 0.01	< 1.0	0.11	0.26	10	< 2	2	< 0.005	< 0.01
11-Jul-19	< 1	0.15	< 0.01	< 1.0	0.16	0.41	6	< 2	3	< 0.005	< 0.01
16-Dec-20	< 1	0.14	< 0.01	< 1.0	0.15	0.41	8	< 2	2	< 0.005	< 0.01
03-Mar-21	< 1	0.12	< 0.01	< 1.0	0.12	0.23	< 5	< 2	2	< 0.005	< 0.01
05-Aug-22	< 1	0.16	< 0.01	< 1.0	0.24	0.45	6	< 2	2	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-3</i>											
04-Feb-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
20-May-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
27-Aug-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
27-Oct-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
12-Nov-04	-	-	-	-	-	< 0.0050	230	-	-	-	6.90
07-Apr-05	0.16	< 0.003	0.011	< 0.30	< 0.0050	< 0.0050	190	< 0.050	-	0.19	0.56
23-May-06	0.11	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	220	< 0.050	-	< 0.02	0.24
10-Aug-07	0.07	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	310	< 0.050	-	< 0.02	0.22
18-Nov-08	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	370	< 0.050	-	< 0.02	0.21
20-Feb-09	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	380	< 0.050	-	< 0.02	1.10
11-May-10	0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	460	< 0.050	-	< 0.02	0.67
14-Jul-11	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	500	< 0.050	-	< 0.02	0.93
11-Oct-12	0.14	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	370	< 0.050	-	< 0.02	1.90
23-Jan-13	0.06	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	380	< 0.050	-	< 0.02	2.90
02-Apr-14	1.96	< 0.002	0.002	0.04	< 0.0002	< 0.0004	406	0.001	0.004	0.01	2.95
12-Aug-15	< 0.10	< 0.060	< 0.010	< 0.02	< 0.0030	< 0.0050	373	< 0.010	< 0.050	< 0.02	0.94
25-Oct-16	0.14	< 0.005	< 0.005	0.01	< 0.0001	< 0.0002	314	0.0004	0.002	0.001	0.35
05-Apr-17	0.07	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	313	0.0100	0.002	0.001	0.22
04-Apr-18	0.11	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	337	0.0100	< 0.050	< 0.020	0.39
11-Jul-19	0.08	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	333	< 0.0100	< 0.050	< 0.020	0.28
16-Dec-20	0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	363	< 0.0100	0.002	< 0.020	0.52
03-Mar-21	0.12	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	367	< 0.0100	0.002	< 0.020	0.19
05-Aug-22	< 0.10	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	402	< 0.0100	< 0.050	< 0.020	0.21

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-3</i>												
04-Feb-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
20-May-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
27-Aug-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
27-Oct-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
12-Nov-04	0.004	74	0.51	-	-	15.0	17.0	-	-	-	-	-
07-Apr-05	< 0.001	70	0.09	< 0.00040	< 0.03	14.0	23.0	0.011	< 0.0500	< 0.0030	-	0.017
23-May-06	< 0.001	87	< 0.02	< 0.00040	< 0.03	11.0	17.0	< 0.005	< 0.0500	0.0050	-	< 0.010
10-Aug-07	0.057	120	0.01	< 0.00040	< 0.03	11.0	22.0	0.010	< 0.0500	< 0.0030	-	0.260
18-Nov-08	< 0.003	140	0.03	< 0.00040	< 0.03	12.0	29.0	< 0.005	< 0.0500	< 0.0030	-	< 0.010
20-Feb-09	< 0.003	150	0.37	< 0.00040	< 0.03	11.0	34.0	< 0.005	< 0.0500	< 0.0030	-	0.021
11-May-10	< 0.001	170	0.14	< 0.00040	< 0.03	12.0	34.0	< 0.005	< 0.0500	< 0.0030	-	0.034
14-Jul-11	0.002	200	0.46	< 0.00040	< 0.03	9.4	36.0	< 0.005	< 0.0500	< 0.0030	-	0.020
11-Oct-12	< 0.005	180	0.12	< 0.00040	< 0.03	6.9	38.0	< 0.025	< 0.0500	< 0.0150	-	< 0.010
23-Jan-13	< 0.005	140	0.29	< 0.00040	< 0.03	8.3	42.0	< 0.025	< 0.0500	< 0.0150	-	< 0.010
02-Apr-14	0.001	226	0.20	< 0.00002	0.01	5.3	35.7	0.002	< 0.0004	< 0.0018	0.004	0.014
12-Aug-15	< 0.050	192	0.17	< 0.00002	< 0.04	5.9	36.2	< 0.010	< 0.0100	< 0.0100	< 0.050	< 0.020
25-Oct-16	< 0.002	177	0.11	< 0.00004	< 0.001	4.6	40.0	< 0.003	< 0.0005	0.0116	< 0.001	0.008
05-Apr-17	< 0.005	189	0.10	< 0.00020	0.007	4.4	41.3	< 0.010	< 0.0100	0.0052	< 0.050	0.006
04-Apr-18	< 0.050	196	0.13	< 0.00020	< 0.040	4.7	42.9	< 0.010	< 0.0100	0.0081	< 0.050	< 0.020
11-Jul-19	< 0.005	199	0.13	< 0.00020	< 0.040	5.6	42.4	< 0.010	< 0.0100	0.0112	< 0.050	< 0.020
16-Dec-20	< 0.005	197	0.14	< 0.00020	< 0.040	4.1	39.2	< 0.010	< 0.0100	< 0.0100	< 0.050	< 0.020
03-Mar-21	< 0.050	205	0.10	< 0.00020	< 0.040	3.9	39.9	< 0.010	< 0.0100	< 0.0100	< 0.050	< 0.020
05-Aug-22	< 0.050	193	0.12	< 0.00020	< 0.040	4.8	39.9	< 0.010	< 0.0100	< 0.0100	< 0.050	< 0.020

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Co (mg/L)	Cr (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	-	0.05	0.2	0.3
<i>Monitoring Well</i> MW-3											
04-Feb-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
20-May-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
27-Aug-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
27-Oct-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
12-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-
11-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
05-Apr-17	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-3												
04-Feb-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
20-May-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
27-Aug-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
27-Oct-03	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
12-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
11-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1			
	ORGANIC PARAMETERS (DETECTED)			
GROUNDWATER		Acetone (ug/l)	Carbon Disulfide (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		[50]	-	
Monitoring Well MW-3				
04-Feb-03	WELL DAMAGED	-	-	-
20-May-03	WELL DAMAGED	-	-	-
27-Aug-03	WELL DAMAGED	-	-	-
27-Oct-03	WELL DAMAGED	-	-	-
05-Feb-04	WELL DAMAGED	-	-	-
07-May-04	WELL DAMAGED	-	-	-
12-Nov-04	-	-	-	-
07-Apr-05	EPA 601/602	-	-	0.0
23-May-06	EPA 601/602	-	-	0.0
10-Aug-07	EPA 601/602	-	-	0.0
18-Nov-08	EPA 601/602	-	-	0.0
20-Feb-09	EPA 601/602	-	-	0.0
11-May-10	EPA 601/602	-	-	0.0
14-Jul-11	EPA 601/602	-	-	0.0
11-Oct-12	EPA 601/602	-	-	0.0
23-Jan-13	EPA 601/602	-	-	0.0
02-Apr-14	EPA 8260	4.6 J	0.6 J	5.2
12-Aug-15	EPA 8260	< 5.0	0.81 J	0.8
25-Oct-16	EPA 8260	3.1 J	1.4	4.5
05-Apr-17	EPA 8260	2.7 J	0.40 J	3.1
04-Apr-18	EPA 8260	< 5.0	0.33 J	0.3
11-Jul-19	EPA 8260	4.1 BJ	< 1.0	4.1
16-Dec-20	EPA 8260	< 10.0	.26 J	0.3
03-Mar-21	EPA 8260	< 5.0	< 1.0	0.0
05-Aug-22	EPA 8260	< 5.0	< 1.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-4AA</i>											
05-Feb-04	6.2	-35	7.4	647	190.0	-	490	450	630	5	75
07-May-04	11.6	-77	7.9	783	34.0	-	430	420	475	4	7
05-Aug-04	16.6	-83	8.2	962	35.0	5	560	480	475	4	83
05-Nov-04	5.5	-35	7.6	1007	4.3	-	840	520	620	8	87
07-Apr-05	9.6	-30	7.3	560	3.2	100	460	320	472	3	26
23-May-06	52.2	-25	8.4	811	41.8	24	460	420	597	4	9
10-Aug-07	WELL DRY		-	-	-	-	-	-	-	-	-
19-Nov-08	10.8	-67	8.2	1002	13.6	32	550	710	805	3	70
26-Feb-09	9.2	-93	8.7	763	33.5	13	470	490	575	3	79
12-May-10	10.6	266	7.3	505	1.4	8	500	760	700	4	96
19-Jul-11	23.3	-111	7.1	1147	239.0	150	460	690	760	2	267
10-Oct-12	WELL DRY		-	-	-	-	-	-	-	-	-
25-Jan-13	11.3	107	7.4	1008	51.0	5	490	520	560	4	36
03-Apr-14	4.7	-4	7.1	830	11.5	12	467	432	462	3	11
11-Aug-15	14.1	35	7.0	980	15.3	14	570	597	628	3	72
24-Oct-16	WELL DRY		-	-	-	-	-	-	-	-	-
07-Apr-17	5.3	51	7.3	630	4.2	7	372	353	373	3	9
04-Apr-18	5.9	317	6.6	752	4.2	17	443	471	485	3	24
09-Jul-19	14.7	-26	6.8	857	7.8	17	464	530	524	2	23
14-Dec-20	WELL DRY		-	-	-	-	-	-	-	-	-
04-Mar-21	3.7	95	7.2	716	8.6	15	422	426	443	2	21
03-Aug-22	13.9	103	7.0	1033	5.6	3	574	555	636	3	63

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-4AA</i>											
05-Feb-04	-	-	-	3.3	< 0.50	-	20	-	6	< 0.005	-
07-May-04	-	-	-	< 0.2	< 0.10	-	24	-	8	0.036	-
05-Aug-04	-	< 0.50	< 0.01	0.3	< 0.50	< 0.50	24	12	7	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	2.96	-	< 20	-	5	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	0.82	< 20	5	4	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	5	< 0.005	< 0.01
10-Aug-07	WELL DRY			-	-	-	-	-	-	-	-
19-Nov-08	-	< 0.50	< 0.01	3.8	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	1.0	< 0.50	1.17	< 20	< 4	< 3	< 0.005	< 0.01
12-May-10	-	< 0.50	< 0.01	0.7	1.28	2.72	< 20	9	6	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.02	0.2	1.31	3.32	79	6	< 3	< 0.005	< 0.01
10-Oct-12	WELL DRY			-	-	-	-	-	-	-	-
25-Jan-13	-	< 0.50	< 0.01	1.0	< 0.50	< 0.50	< 20	4	4.7	< 0.050	< 0.01
03-Apr-14	-	< 0.02	< 0.01	< 1.0	0.52	1.45	22	7	4.1	< 0.005	< 0.01
11-Aug-15	< 1	< 0.20	< 0.01	< 1.0	1.18	1.64	36	< 2	3.1	< 0.005	< 0.01
24-Oct-16	WELL DRY			-	-	-	-	-	-	-	-
07-Apr-17	< 1	< 0.20	< 0.01	< 1.0	< 0.05	0.41	15	2	2.7	< 0.005	< 0.01
04-Apr-18	< 1	< 0.20	< 0.01	< 1.0	0.17	0.57	11	< 2	2.9	< 0.005	< 0.01
09-Jul-19	< 1	0.01	< 0.01	< 1.0	0.42	0.90	7	4	3.4	< 0.005	< 0.01
14-Dec-20	WELL DRY			-	-	-	-	-	-	-	-
04-Mar-21	< 1	< 0.20	< 0.01	< 1.0	< 0.05	0.31	6	< 2	3.6	< 0.005	< 0.01
03-Aug-22	< 1	< 0.20	< 0.01	< 1.0	0.87	1.46	8	< 2	7.3	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-4AA</i>											
05-Feb-04	-	-	-	-	-	< 0.0050	130	-	-	-	0.40
07-May-04	-	-	-	-	-	< 0.0050	130	-	-	-	1.70
05-Aug-04	0.11	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	150	< 0.0500	-	0.025	1.10
05-Nov-04	-	-	-	-	-	< 0.0050	150	-	-	-	1.80
07-Apr-05	0.21	< 0.003	0.014	< 0.30	< 0.0050	< 0.0050	96	< 0.0500	-	0.120	0.29
23-May-06	0.38	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	130	< 0.0500	-	< 0.020	1.10
10-Aug-07	WELL DRY	-	-	-	-	-	-	-	-	-	-
19-Nov-08	0.33	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	200	< 0.0500	-	< 0.020	0.62
26-Feb-09	0.29	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	140	< 0.0500	-	< 0.020	0.74
12-May-10	1.60	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	200	< 0.0500	-	< 0.020	4.90
19-Jul-11	0.73	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	170	< 0.0500	-	< 0.020	8.50
10-Oct-12	WELL DRY	-	-	-	-	-	-	-	-	-	-
25-Jan-13	0.58	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	150	< 0.0500	-	< 0.020	2.00
03-Apr-14	0.54	< 0.002	< 0.001	0.07	< 0.0002	< 0.0001	119	< 0.0004	< 0.0002	< 0.003	2.23
11-Aug-15	0.18	< 0.060	< 0.010	0.10	< 0.0030	< 0.0050	163	0.0150	< 0.0500	< 0.020	0.47
24-Oct-16	WELL DRY	-	-	-	-	-	-	-	-	-	-
07-Apr-17	0.09	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	104	0.0003	< 0.0500	0.002	0.17
04-Apr-18	0.39	< 0.060	< 0.005	0.05	< 0.0030	< 0.0050	136	< 0.0100	< 0.0500	< 0.020	0.74
09-Jul-19	0.14	< 0.060	< 0.010	0.05	< 0.0030	< 0.0050	151	< 0.0100	0.0021	< 0.020	1.63
14-Dec-20	WELL DRY	-	-	-	-	-	-	-	-	-	-
04-Mar-21	0.22	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	124	0.0016	< 0.0500	< 0.020	0.54
03-Aug-22	0.12	< 0.060	< 0.010	0.16	< 0.0030	< 0.0050	150	0.0040	0.0020	< 0.020	1.46

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-4AA												
05-Feb-04	0.002	28	< 0.02	-	-	7.0	4.8	-	-	-	-	-
07-May-04	0.003	26	0.25	-	-	2.3	4.4	-	-	-	-	-
05-Aug-04	< 0.001	28	0.41	< 0.00040	0.031	6.2	4.6	< 0.005	< 0.0500	< 0.0030	-	0.016
05-Nov-04	0.003	38	0.42	-	-	10.0	5.4	-	-	-	-	-
07-Apr-05	< 0.001	20	0.02	< 0.00040	< 0.030	3.7	2.7	< 0.005	< 0.0500	< 0.0030	-	< 0.010
23-May-06	0.003	26	0.23	< 0.00040	< 0.030	2.6	1.7	< 0.005	< 0.0500	< 0.0030	-	< 0.010
10-Aug-07	WELL DRY	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	< 0.003	52	0.03	< 0.00040	< 0.030	6.9	5.5	< 0.005	< 0.0500	< 0.0030	-	< 0.010
26-Feb-09	< 0.003	35	0.04	< 0.00040	< 0.030	5.8	3.6	< 0.005	< 0.0500	< 0.0030	-	0.020
12-May-10	0.006	63	0.18	< 0.00040	< 0.030	8.3	6.2	< 0.005	< 0.0500	< 0.0030	-	0.037
19-Jul-11	0.002	64	0.42	< 0.00040	< 0.030	6.8	9.0	< 0.005	< 0.0500	< 0.0030	-	0.011
10-Oct-12	WELL DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	< 0.005	34	0.41	< 0.00040	< 0.030	5.6	3.8	< 0.025	< 0.0500	< 0.0150	-	0.016
03-Apr-14	< 0.001	32	0.26	< 0.00002	< 0.001	6.5	2.9	0.003	< 0.0004	< 0.0018	0.001	< 0.005
11-Aug-15	< 0.050	46	0.23	< 0.00020	< 0.040	6.9	5.4	< 0.010	< 0.0100	< 0.0100	< 0.050	< 0.020
24-Oct-16	WELL DRY	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	< 0.005	22	0.01	< 0.00020	0.004	2.0	2.1	< 0.010	< 0.0100	< 0.0100	< 0.050	0.004
04-Apr-18	< 0.005	32	0.04	< 0.00020	< 0.040	3.9	2.9	< 0.010	< 0.0100	< 0.0100	< 0.050	< 0.020
09-Jul-19	< 0.050	37	0.18	< 0.00020	< 0.040	5.0	3.6	< 0.010	< 0.0100	< 0.0100	< 0.050	< 0.020
14-Dec-20	WELL DRY	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	< 0.005	28	0.01	< 0.00020	< 0.040	1.1	1.9	< 0.010	< 0.0100	< 0.0100	< 0.050	< 0.020
03-Aug-22	0.007	44	0.35	< 0.00020	< 0.040	12.2	4.9	< 0.010	< 0.0100	< 0.0100	< 0.002	< 0.006

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-4AA											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	WELL DRY		-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
10-Oct-12	WELL DRY		-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-
24-Oct-16	WELL DRY		-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
14-Dec-20	WELL DRY		-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-4AA												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	WELL DRY	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
10-Oct-12	WELL DRY	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
24-Oct-16	WELL DRY	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-20	WELL DRY	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1					
	ORGANIC PARAMETERS (DETECTED)					
GROUNDWATER	4-Methyl-2-pentanone (ug/l)	Toluene (ug/l)	Acetone (ug/l)	Carbon Disulfide (ug/l)	Idomethane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	[50]	-	5	
Monitoring Well MW-4AA	ANALYSIS METHOD					
05-Feb-04	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-
05-Aug-04	EPA 601/602	1.0	-	-	-	1.0
05-Nov-04	-	-	-	-	-	-
07-Apr-05	EPA 601/602	11	-	-	-	11.0
23-May-06	EPA 601/602	< 1.0	-	-	-	0.0
10-Aug-07	WELL DRY	-	-	-	-	-
19-Nov-08	EPA 601/602	< 1.0	-	-	-	0.0
26-Feb-09	EPA 601/602	< 1.0	-	-	-	0.0
12-May-10	EPA 601/602	< 1.0	-	-	-	0.0
19-Jul-11	EPA 601/602	< 1.0	-	-	-	0.0
10-Oct-12	WELL DRY	-	-	-	-	-
25-Jan-13	EPA 601/602	< 1.0	-	-	-	0.0
03-Apr-14	EPA 8260	< 1.0	4.4 J	0.55 J	-	0.0
11-Aug-15	EPA 8260	< 1.0	3.3 J	< 1.0	-	3.3
24-Oct-16	WELL DRY	-	-	-	-	-
07-Apr-17	EPA 8260	< 1.0	< 5.0	< 1.0	-	0.0
04-Apr-18	EPA 8260	< 1.0	2.2 J	0.39 J	-	2.6
09-Jul-19	EPA 8260	< 1.0	3.0 BJ	< 1.0	1.7 BJ	4.7
14-Dec-20	WELL DRY	-	-	-	-	-
04-Mar-21	EPA 8260	< 1.0	< 5.0	< 1.0	< 5.0	0.0
03-Aug-22	EPA 8260	0.5 J	< 1.0	< 5.0	0.58 J	1.1

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-4B</i>											
05-Feb-04	5.6	-38	7.4	550	70.0	-	330	310	650	10	140
07-May-04	10.8	-57	7.5	840	28.0	-	340	400	632	11	197
05-Aug-04	15.3	-85	8.2	831	18.0	5	340	300	573	10	106
05-Nov-04	4.9	-41	7.7	790	1.8	-	420	310	542	12	236
07-Apr-05	10.1	-45	7.5	632	6.1	60	350	270	532	13	103
23-May-06	54.0	-25	8.2	794	10.1	12	340	300	638	11	108
10-Aug-07	15.5	-143	7.4	531	4.5	11	350	320	570	12	110
19-Nov-08	10.6	-76	8.4	757	7.3	12	320	380	545	10	128
26-Feb-09	10.8	-99	8.8	663	73.6	18	310	340	655	10	189
12-May-10	10.2	238	7.2	432	0.8	8	320	410	540	11	112
19-Jul-11	20.8	-110	7.6	859	308.0	125	320	370	640	12	146
11-Oct-12	15.0	71	8.3	861	109.0	5	310	380	630	11	264
25-Jan-13	8.8	115	7.4	902	290.0	< 5	310	430	680	11	209
03-Apr-14	8.9	-3	7.7	860	8.3	9	320	367	574	12	153
11-Aug-15	12.2	54.4	7.6	820	8.2	13	325	382	501	12	191
25-Oct-16	9.5	125	7.9	890	38.1	25	321	376	559	11	148
07-Apr-17	7.5	53	7.8	830	8.0	10	306	371	566	11	165
04-Apr-18	8.6	298	7.2	854	20.8	60	313	422	562	11	140
09-Jul-19	12.3	123	7.5	835	9.1	10	300	390	582	11	146
15-Dec-20	9.8	137	7.7	846	7.5	12	303	378	570	11	142
04-Mar-21	8.6	82	7.5	1068	7.7	13	406	398	743	10	213
03-Aug-22	12.1	96	7.5	970	8.5	2	376	352	639	10	172

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well</i> MW-4B											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	< 0.10	-	< 20	-	4	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
10-Aug-07	-	< 0.50	< 0.01	0.4	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
19-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
12-May-10	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
11-Oct-12	-	< 0.50	< 0.01	0.2	< 0.50	3.54	< 20	< 8	< 3	< 0.050	< 0.05
25-Jan-13	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
03-Apr-14	-	0.07	< 0.01	< 1.0	< 0.05	0.34	< 5	< 2	1	< 0.005	< 0.01
11-Aug-15	< 1.0	< 0.20	< 0.01	< 1.0	< 0.05	0.25	< 5	< 2	< 1	< 0.005	< 0.01
25-Oct-16	< 1.0	0.09	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	11	< 0.005	< 0.01
07-Apr-17	< 1.0	0.08	< 0.01	< 1.0	< 0.05	0.32	8	< 2	< 1	< 0.005	< 0.01
04-Apr-18	0.1	0.08	< 0.01	< 1.0	0.09	0.38	8	< 2	2	< 0.005	< 0.01
09-Jul-19	< 1.0	0.09	< 0.01	< 1.0	< 0.05	0.21	7	< 2	< 1	< 0.005	< 0.01
15-Dec-20	< 1.0	0.09	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
04-Mar-21	< 1.0	0.08	< 0.01	< 1.0	< 0.05	0.24	< 5	< 2	< 1	< 0.005	< 0.01
03-Aug-22	< 1.0	0.07	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	3	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-4B											
05-Feb-04	-	-	-	-	-	< 0.0050	64	-	-	-	0.20
07-May-04	-	-	-	-	-	< 0.0050	86	-	-	-	2.50
05-Aug-04	0.11	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	67	< 0.0500	-	0.027	0.08
05-Nov-04	-	-	-	-	-	< 0.0050	66	-	-	-	0.91
07-Apr-05	0.17	< 0.003	0.013	< 0.30	< 0.0050	< 0.0050	58	< 0.0500	-	0.140	0.21
23-May-06	0.14	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	66	< 0.0500	-	< 0.020	0.20
10-Aug-07	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	66	< 0.0500	-	< 0.020	0.13
19-Nov-08	0.17	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	79	< 0.0500	-	< 0.020	0.21
26-Feb-09	0.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	72	< 0.0500	-	< 0.020	0.24
12-May-10	0.13	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	90	< 0.0500	-	< 0.020	0.22
19-Jul-11	0.46	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	76	< 0.0500	-	< 0.020	0.62
11-Oct-12	0.43	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	80	< 0.0500	-	< 0.020	0.58
25-Jan-13	0.23	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	91	< 0.0500	-	< 0.020	0.31
03-Apr-14	0.31	< 0.002	< 0.001	0.05	< 0.0002	< 0.0001	75	< 0.0004	-	< 0.003	0.25
11-Aug-15	0.36	< 0.060	< 0.010	0.04	< 0.0030	< 0.0050	82	< 0.0100	< 0.05	< 0.020	0.32
25-Oct-16	1.64	< 0.005	< 0.005	0.05	< 0.0001	0.0002	81	0.0038	< 0.001	0.003	1.56
07-Apr-17	0.44	< 0.060	< 0.010	0.04	< 0.0030	< 0.0050	79	0.0016	< 0.050	0.001	0.40
04-Apr-18	1.65	< 0.060	0.005	0.05	< 0.0030	< 0.0050	92	0.0037	< 0.050	< 0.020	1.56
09-Jul-19	0.58	< 0.060	< 0.010	0.05	< 0.0030	< 0.0050	84	0.0008	< 0.050	< 0.020	0.57
15-Dec-20	0.50	< 0.060	< 0.010	0.05	< 0.0030	< 0.0050	79	0.0018	< 0.050	< 0.020	0.61
04-Mar-21	0.32	< 0.060	< 0.010	0.05	< 0.0030	< 0.0050	84	0.0014	< 0.050	< 0.020	0.36
03-Aug-22	0.51	< 0.060	< 0.010	0.05	< 0.0030	< 0.0050	74	< 0.0100	< 0.050	< 0.020	0.59

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-4B												
05-Feb-04	0.001	35	< 0.020	-	-	4.4	24.0	-	-	-	-	-
07-May-04	0.004	45	0.063	-	-	4.7	34.0	-	-	-	-	-
05-Aug-04	< 0.001	33	< 0.020	< 0.00040	< 0.030	2.7	23.0	0.016	< 0.0500	< 0.003	-	0.018
05-Nov-04	0.003	36	0.024	-	-	4.8	21.0	-	-	-	-	-
07-Apr-05	< 0.001	31	< 0.020	< 0.00040	< 0.030	4.7	24.0	0.009	< 0.0500	< 0.003	-	0.033
23-May-06	< 0.001	34	< 0.020	< 0.00040	< 0.030	< 4.0	21.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
10-Aug-07	0.008	37	< 0.020	< 0.00040	< 0.030	< 5.0	24.0	< 0.005	< 0.0500	< 0.003	-	< 0.049
19-Nov-08	< 0.003	44	< 0.020	< 0.00040	< 0.030	4.4	28.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
26-Feb-09	< 0.003	40	< 0.020	< 0.00040	< 0.030	3.7	29.0	< 0.005	< 0.0500	< 0.003	-	0.014
12-May-10	< 0.001	46	< 0.020	< 0.00040	< 0.030	6.1	36.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
19-Jul-11	0.001	43	0.023	< 0.00040	< 0.030	4.2	30.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
11-Oct-12	< 0.005	43	< 0.020	< 0.00040	< 0.030	4.4	30.0	< 0.025	< 0.0500	< 0.015	-	0.014
25-Jan-13	< 0.005	49	< 0.020	< 0.00040	< 0.030	4.8	32.0	< 0.025	< 0.0500	< 0.015	-	0.016
03-Apr-14	< 0.001	44	0.004	< 0.00002	< 0.001	3.8	33.6	0.004	< 0.0004	< 0.002	< 0.0002	0.020
11-Aug-15	< 0.050	43	0.012	< 0.00020	< 0.040	3.5	33.9	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
25-Oct-16	< 0.002	43	0.041	< 0.00004	< 0.001	4.7	30.6	< 0.003	< 0.0005	< 0.002	0.0029	0.012
07-Apr-17	< 0.005	42	0.009	< 0.00020	0.007	3.4	33.9	< 0.010	< 0.0100	< 0.010	< 0.0500	0.008
04-Apr-18	< 0.050	47	0.044	< 0.00020	< 0.040	4.5	34.8	< 0.010	< 0.0100	< 0.010	0.0028	0.014
09-Jul-19	< 0.050	44	0.032	< 0.00020	< 0.040	3.6	39.3	< 0.010	< 0.0100	0.017	< 0.0500	< 0.020
15-Dec-20	< 0.050	44	0.016	< 0.00020	0.003	4.0	34.9	< 0.010	< 0.0100	0.014	< 0.0500	< 0.020
04-Mar-21	< 0.005	46	0.009	< 0.00020	0.040	3.4	82.7	< 0.010	< 0.0100	< 0.010	0.0007	< 0.020
03-Aug-22	< 0.005	41	0.022	< 0.00020	< 0.040	3.1	68.1	< 0.010	< 0.0100	< 0.010	< 0.0500	0.005

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-4B											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
11-Oct-12	< 0.5	< 0.015	< 0.05	< 0.3	< 0.005	< 0.0050	78	< 0.05	-	< 0.02	0.05
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-4B												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
11-Oct-12	< 0.005	42	0.18	0.0006	< 0.03	5.1	34	< 0.025	< 0.05	< 0.015	-	0.02
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL
WATER QUALITY DATA
LANDFILL #1

ORGANIC PARAMETERS (DETECTED)

GROUNDWATER		Toluene (ug/l)	Acetone (ug/l)	Idomethane (ug/l)	Chloromethane (ug/l)	2-Butanone (MEK) (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	[50]	[50]	[50]	
<i>Monitoring Well</i> MW-4B	ANALYSIS METHOD						
05-Feb-04	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	-	-	0.0
05-Nov-04	-	-	-	-	-	-	-
07-Apr-05	EPA 601/602	3.0	-	-	-	-	3.0
23-May-06	EPA 601/602	< 1.0	-	-	-	-	0.0
10-Aug-07	-	-	-	-	-	-	-
19-Nov-08	EPA 601/602	< 1.0	-	-	-	-	0.0
26-Feb-09	EPA 601/602	< 1.0	-	-	-	-	0.0
12-May-10	EPA 601/602	< 1.0	-	-	-	-	0.0
19-Jul-11	EPA 601/602	< 1.0	-	-	-	-	0.0
11-Oct-12	EPA 601/602	< 1.0	-	-	-	-	0.0
25-Jan-13	EPA 601/602	< 1.0	-	-	-	-	0.0
03-Apr-14	EPA 8260	< 1.0	-	-	-	-	0.0
11-Aug-15	EPA 8260	< 1.0	1.5 J	-	-	-	1.5
25-Oct-16	EPA 8260	< 1.0	2.3 J	-	-	-	2.3
07-Apr-17	EPA 8260	< 1.0	2.3 J	-	-	-	2.3
04-Apr-18	EPA 8260	< 1.0	2.3 J	-	-	-	2.3
09-Jul-19	EPA 8260	< 1.0	2.3 J	1.7 BJ	0.30 J	-	2.0
15-Dec-20	EPA 8260	< 1.0	< 5.0	< 5.0	< 1.0	-	0.0
04-Mar-21	EPA 8260	< 1.0	< 5.0	< 5.0	< 1.0	-	0.0
03-Aug-22	EPA 8260	< 1.0	< 5.0	< 5.0	< 1.0	0.93 J	0.9

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well</i> MW-4C											
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Nov-04	9.4	-176	10.4	984	28.6	-	300	580	960	43	287
07-Apr-05	10.7	-125	9.7	925	4.1	12	55	450	1010	4	490
23-May-06	57.9	-15	9.2	979	12.9	10	42	500	893	28	451
10-Aug-07	15.9	-123	8.3	543	60.0	150	30	430	712	43	336
19-Nov-08	10.9	-160	9.8	753	22.1	18	18	400	622	36	293
26-Feb-09	10.6	-135	9.3	734	5.3	< 5	35	440	897	14	794
12-May-10	11.8	89	8.9	537	2.8	10	14	520	720	23	533
19-Jul-11	23.1	-97	8.6	966	22.0	55	24	390	710	37	407
11-Oct-12	13.5	90	7.9	884	48.2	5	30	300	530	34	280
25-Jan-13	6.9	116	7.5	1363	24.2	< 5	82	820	1200	3	704
03-Apr-14	10.4	108	8.0	1840	10.8	17	96	1090	1560	3	947
11-Aug-15	UNABLE TO SAMPLE	-	-	-	-	-	-	-	-	-	-
25-Oct-16	9.8	-71	8.4	1710	110.2	28	89	992	1200	8	720
07-Apr-17	8.7	34	8.7	1430	11.9	19	86	853	1220	4	832
04-Apr-18	9.1	61	7.4	1855	6.4	18	108	1130	1600	2	1020
09-Jul-19	12.2	-211	8.6	1144	19.5	20	113	647	1040	8	577
14-Dec-20	10.8	102	8.5	1503	10.2	15	100	855	1310	8	820
04-Mar-21	9.5	82	8.1	1801	13.5	14	119	1040	1540	4	983
03-Aug-22	13.4	117	8.3	1472	7.3	3	110	765	1340	5	817

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well</i> MW-4C											
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	0.3	1.65	-	30	-	3.0	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3.0	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3.0	< 0.005	< 0.01
10-Aug-07	-	< 0.50	< 0.01	0.5	2.33	3.24	99	< 4	< 3.0	< 0.005	< 0.01
19-Nov-08	-	< 0.50	< 0.01	< 0.2	1.02	0.96	< 20	< 4	< 3.0	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	0.59	0.54	< 20	< 4	< 3.0	< 0.005	< 0.01
12-May-10	-	< 0.50	< 0.01	0.2	1.12	2.19	21	< 4	4.2	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.01	0.3	3.06	4.05	44	< 4	< 3.0	< 0.005	< 0.01
11-Oct-12	-	< 0.50	< 0.01	0.3	2.43	3.80	66	8	4.8	0.080	< 0.01
25-Jan-13	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3.0	< 0.050	< 0.01
03-Apr-14	< 1	0.28	< 0.01	< 1.0	0.30	1.43	46	94	42.8	< 0.005	< 0.01
11-Aug-15	UNABLE TO SAMPLE	-	-	-	-	-	-	-	-	-	-
25-Oct-16	< 1	0.28	< 0.01	< 1.0	0.80	0.99	18	8	9.5	< 0.005	< 0.01
07-Apr-17	< 1	0.30	< 0.01	< 1.0	0.34	0.54	13	< 2	1.5	< 0.005	< 0.01
04-Apr-18	< 1	0.30	< 0.01	< 1.0	0.29	0.45	5	2	2.1	< 0.005	< 0.01
09-Jul-19	< 1	0.29	< 0.01	< 1.0	1.31	2.84	14	6	3.5	< 0.005	< 0.01
14-Dec-20	< 1	0.27	0.05	< 1.0	0.77	1.10	10	4	1.7	< 0.005	< 0.01
04-Mar-21	2	0.31	< 0.01	< 1.0	0.58	1.73	32	6	10.7	< 0.005	< 0.01
03-Aug-22	< 1	0.26	< 0.01	< 1.0	1.07	10.10	10	5	2.0	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-4C											
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	< 0.0050	140	-	-	-	1.10
07-Apr-05	0.12	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	75	< 0.0500	-	0.110	0.12
23-May-06	0.11	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	170	< 0.0500	-	< 0.020	0.13
10-Aug-07	0.13	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	140	< 0.0500	-	< 0.020	0.30
19-Nov-08	0.12	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	150	< 0.0500	-	< 0.020	0.19
26-Feb-09	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	160	< 0.0500	-	< 0.020	0.11
12-May-10	0.16	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	140	< 0.0500	-	< 0.020	0.23
19-Jul-11	0.12	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	120	< 0.0500	-	< 0.020	0.25
11-Oct-12	< 0.05	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	90	< 0.0500	-	< 0.020	0.05
25-Jan-13	0.12	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	150	< 0.0500	-	< 0.020	0.28
03-Apr-14	0.55	< 0.002	< 0.001	0.02	< 0.0002	< 0.0001	238	< 0.0004	-	< 0.003	0.79
11-Aug-15	UNABLE TO SAMPLE	-	-	-	-	-	-	-	-	-	-
25-Oct-16	1.05	< 0.005	< 0.005	0.02	< 0.0001	< 0.0002	227	0.0024	< 0.001	0.002	0.94
07-Apr-17	1.13	< 0.060	< 0.010	0.02	0.0030	< 0.0050	186	0.0038	< 0.050	0.002	0.72
04-Apr-18	0.37	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	256	< 0.0100	< 0.050	< 0.020	0.47
09-Jul-19	1.17	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	150	0.0072	0.002	< 0.020	0.87
14-Dec-20	0.51	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	195	0.0038	< 0.050	< 0.020	0.58
04-Mar-21	0.76	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	232	0.0027	< 0.050	0.023	0.59
03-Aug-22	0.39	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	173	0.0070	< 0.050	< 0.020	0.35

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-4C												
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	0.007	58	0.03	-	-	3.2	37.0	-	-	-	-	-
07-Apr-05	< 0.001	63	< 0.02	< 0.00040	< 0.030	2.9	38.0	0.012	< 0.0500	< 0.0030	-	< 0.010
23-May-06	< 0.001	20	< 0.02	< 0.00040	< 0.030	3.2	39.0	< 0.005	< 0.0500	0.0050	-	0.019
10-Aug-07	0.007	22	< 0.02	< 0.00040	< 0.030	4.1	30.0	< 0.005	< 0.0500	< 0.0030	-	0.056
19-Nov-08	< 0.003	7	< 0.02	< 0.00040	< 0.030	3.5	38.0	< 0.005	< 0.0500	< 0.0030	-	< 0.010
26-Feb-09	< 0.003	7	< 0.02	< 0.00040	< 0.030	4.1	41.0	< 0.005	< 0.0500	< 0.0030	-	0.027
12-May-10	0.004	38	< 0.02	< 0.00040	< 0.030	4.8	47.0	< 0.005	< 0.0500	< 0.0030	-	< 0.010
19-Jul-11	0.003	24	< 0.02	< 0.00040	< 0.030	4.7	39.0	< 0.005	< 0.0500	< 0.0030	-	0.024
11-Oct-12	< 0.005	18	< 0.02	< 0.00040	< 0.030	3.2	37.0	< 0.025	< 0.0500	< 0.0150	-	< 0.010
25-Jan-13	< 0.005	89	< 0.02	< 0.00040	< 0.030	2.8	54.0	< 0.025	< 0.0500	< 0.0150	-	< 0.010
03-Apr-14	< 0.001	121	0.02	< 0.00002	< 0.001	2.5	51.1	0.002	< 0.0004	< 0.0018	< 0.0002	< 0.005
11-Aug-15	UNABLE TO SAMPLE	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	< 0.002	103	0.02	< 0.00004	< 0.001	2.8	50.7	< 0.003	< 0.0005	0.0063	0.0022	0.003
07-Apr-17	< 0.005	94	0.02	< 0.00020	0.011	2.8	49.6	< 0.010	< 0.0100	0.0048	0.0020	0.006
04-Apr-18	< 0.050	119	0.02	< 0.00020	< 0.040	2.9	54.5	< 0.010	< 0.0100	< 0.0100	< 0.0500	< 0.020
09-Jul-19	< 0.050	66	0.02	< 0.00020	< 0.040	4.9	46.5	< 0.010	< 0.0100	0.0086	0.0011	< 0.020
14-Dec-20	< 0.050	89	0.02	< 0.00020	0.007	3.0	50.0	< 0.010	< 0.0100	0.0069	< 0.0500	< 0.020
04-Mar-21	< 0.005	112	0.02	< 0.00020	< 0.040	4.7	53.1	< 0.010	< 0.0100	0.0074	0.0007	< 0.020
03-Aug-22	< 0.005	81	0.01	< 0.00020	0.005	3.2	48.0	< 0.010	< 0.0100	0.0070	< 0.0500	< 0.004

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-4C											
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
11-Oct-12	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	UNABLE TO SAMPLE	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
14-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-4C												
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
11-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	UNABLE TO SAMPLE	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
14-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1								
	ORGANIC PARAMETERS (DETECTED)								
GROUNDWATER	Toluene (ug/l)	Acetone (ug/l)	Carbon Disulfide (ug/l)	4-Methyl- 2-pentanone (ug/l)	o-Xylene (ug/l)	m,p-Xylene (ug/l)	Chloromethane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)	
6NYCRR Part 703 GROUNDWATER STANDARD	5	[50]	-	-	5	5	5		
Monitoring Well MW-4C	ANALYSIS METHOD								
05-Feb-04	WELL DAMAGED	-	-	-	-	-	-	-	
07-May-04	WELL DAMAGED	-	-	-	-	-	-	-	
05-Aug-04	WELL DAMAGED	-	-	-	-	-	-	-	
05-Nov-04	-	-	-	-	-	-	-	-	
07-Apr-05	EPA 601/602	3.0	-	-	-	-	-	3.0	
23-May-06	EPA 601/602	< 1.0	-	-	-	-	-	0.0	
10-Aug-07	EPA 601/603	< 1.0	-	-	-	-	-	0.0	
19-Nov-08	EPA 601/603	< 1.0	-	-	-	-	-	0.0	
26-Feb-09	EPA 601/603	< 1.0	-	-	-	-	-	0.0	
12-May-10	EPA 601/603	< 1.0	-	-	-	-	-	0.0	
19-Jul-11	EPA 601/603	< 1.0	-	-	-	-	-	0.0	
11-Oct-12	EPA 601/603	< 1.0	-	-	-	-	-	0.0	
25-Jan-13	EPA 601/603	< 1.0	-	-	-	-	-	0.0	
03-Apr-14	EPA 8260	< 1.0	2.6 J	1.6	-	-	-	4.2	
11-Aug-15	UNABLE TO SAMPLE	-	-	-	-	-	-	-	
25-Oct-16	EPA 8260	< 1.0	4.2 J	0.30 J	0.85 J	-	-	5.4	
07-Apr-17	EPA 8260	< 1.0	< 5	0.39 J	< 5.0	0.29 J	-	0.7	
04-Apr-18	EPA 8260	< 1.0	< 5	0.45 J	< 5.0	< 1.0	-	0.5	
09-Jul-19	EPA 8260	< 1.0	3.3 BJ	2.2	1.4 J	< 1.0	0.22 J	7.7	
14-Dec-20	EPA 8260	< 1.0	< 5	< 1	0.37 J	< 1.0	< 2.0	< 1.0	0.4
04-Mar-21	EPA 8260	< 1.0	< 5	0.70 J	< 5.0	< 1.0	< 2.0	< 1.0	0.7
03-Aug-22	EPA 8260	< 1.0	< 5	< 1	< 5.0	< 1.0	< 2.0	< 1.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-5AA</i>											
05-Feb-04	6.0	-54	7.7	1967	55.0	-	370	1100	2400	290	1400
07-May-04	10.7	-29	7.0	2900	80.0	-	340	1300	2390	236	1710
05-Aug-04	12.7	-52	7.6	2960	16.0	7	340	1300	2250	280	1600
05-Nov-04	5.1	-16	7.2	2630	0.9	-	620	1000	2260	301	1530
07-Apr-05	10.4	-25	7.2	2320	0.9	75	370	1100	2250	413	908
23-May-06	53.6	-80	8.6	2410	5.0	28	280	1400	2600	30	850
09-Aug-07	18.8	-83	7.5	1087	214.0	500	380	1500	2280	301	1100
18-Nov-08	9.7	-44	7.8	274	35.9	10	320	1400	2230	326	1250
20-Feb-09	6.2	-77	8.4	241	16.6	24	320	1400	2280	281	1190
12-May-10	10.0	264	5.9	1155	2.8	8	310	1500	2400	296	896
14-Jul-11	21.8	-124	7.9	2957	34.5	35	320	1500	2700	310	1380
12-Oct-12	13.7	154	7.0	3101	28.7	10	340	1700	2300	386	922
25-Jan-13	6.2	144	7.1	3108	22.7	< 5	350	1600	2400	407	1040
03-Apr-14	7.2	-47	7.0	3100	7.7	11	349	1400	2380	343	956
12-Aug-15	12.4	-112	6.4	3100	0.7	25	342	1440	2360	375	1020
25-Oct-16	10.1	-122	6.9	3400	1.6	48	354	1560	2080	375	1060
05-Apr-18	7.2	-20	6.8	3106	9.3	160	328	1520	2190	333	991
09-Jul-19	12.9	-24	6.8	3084	2.4	35	312	1530	2230	404	1090
16-Dec-20	9.3	-25	7.0	3276	1.3	40	310	1630	2200	392	1080
03-Mar-21	9.2	-19	7.0	3330	1.3	13	353	1630	2300	395	1070
05-Aug-22	15.5	-62	6.9	3298	2.9	5	328	1610	2120	390	993

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-5AA</i>											
05-Feb-04	-	-	-	< 0.20	27.00	-	36	-	15.0	< 0.005	-
07-May-04	-	-	-	< 0.20	22.10	-	50	-	15.0	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.20	21.00	24.00	39	< 4	16.0	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.20	25.00	-	74	-	14.0	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.20	28.10	16.00	40	< 4	14.0	< 0.005	< 0.01
23-May-06	-	0.60	< 0.01	0.25	14.70	26.80	< 20	< 4	13.0	0.006	< 0.01
09-Aug-07	-	0.56	< 0.02	< 0.20	22.10	24.00	36	< 4	14.9	< 0.005	0.01
18-Nov-08	-	0.59	< 0.01	< 0.20	20.20	20.80	49	7	12.6	< 0.005	< 0.01
20-Feb-09	-	< 0.50	< 0.01	< 0.20	23.80	24.80	45	< 4	12.6	0.009	< 0.01
12-May-10	-	< 0.50	< 0.01	0.06	23.30	23.20	56	7	14.3	0.012	< 0.01
14-Jul-11	-	< 0.50	< 0.01	< 0.05	21.80	22.50	55	7	10.5	0.010	< 0.01
12-Oct-12	-	< 0.50	< 0.01	< 0.05	24.40	24.00	56	16	13.2	< 0.050	< 0.01
25-Jan-13	-	< 0.50	< 0.01	< 0.05	13.30	27.20	50	< 4	14.6	< 0.050	< 0.01
03-Apr-14	-	0.42	< 0.01	< 1.00	23.60	24.30	45	2	15.8	< 0.005	< 0.01
12-Aug-15	4	0.45	< 0.01	< 1.00	23.40	22.50	63	4	13.7	< 0.010	< 0.01
25-Oct-16	4	0.47	< 0.01	< 1.00	27.60	27.50	43	< 2	15.6	0.006	< 0.01
05-Apr-18	5	0.48	< 0.01	< 1.00	22.20	24.00	77	3	13.6	0.014	< 0.01
09-Jul-19	4	0.47	< 0.01	< 1.00	23.40	25.80	45	5	14.2	< 0.005	< 0.01
16-Dec-20	5	0.47	< 0.01	< 1.00	21.90	25.40	50	21	14	< 0.005	< 0.01
03-Mar-21	6	0.48	< 0.01	< 1.00	23.70	25.90	41	8	14.7	< 0.005	< 0.01
05-Aug-22	5	0.44	< 0.01	< 1.00	23.10	22.10	52	6	14.3	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-5AA</i>											
05-Feb-04	-	-	-	-	-	< 0.0050	280	-	-	-	8.00
07-May-04	-	-	-	-	-	0.0080	330	-	-	-	16.00
05-Aug-04	0.10	< 0.003	0.033	< 0.30	< 0.0050	< 0.0050	330	< 0.0500	-	< 0.020	3.30
05-Nov-04	-	-	-	-	-	< 0.0050	250	-	-	-	3.00
07-Apr-05	0.16	< 0.003	0.033	< 0.30	< 0.0050	< 0.0050	280	< 0.0500	-	0.130	5.60
23-May-06	< 0.05	< 0.003	0.011	< 0.30	< 0.0050	< 0.0050	360	< 0.0500	-	< 0.020	1.10
09-Aug-07	0.08	< 0.003	0.023	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	< 0.020	3.30
18-Nov-08	0.55	< 0.003	0.054	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	< 0.020	12.00
20-Feb-09	0.07	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	< 0.020	4.00
12-May-10	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	390	< 0.0500	-	< 0.020	3.60
14-Jul-11	< 0.05	< 0.003	0.016	< 0.30	< 0.0050	< 0.0050	390	< 0.0500	-	< 0.020	4.00
12-Oct-12	< 0.05	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	390	< 0.0500	-	< 0.020	4.90
25-Jan-13	0.08	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	410	< 0.0500	-	< 0.020	3.90
03-Apr-14	0.15	< 0.002	0.021	0.01	< 0.0002	< 0.0001	334	< 0.0004	< 0.0002	< 0.003	4.67
12-Aug-15	0.75	< 0.060	0.020	< 0.02	< 0.0030	< 0.0050	364	< 0.0100	< 0.0500	< 0.020	10.00
25-Oct-16	0.05	< 0.005	0.009	0.01	< 0.0001	< 0.0002	388	< 0.0003	< 0.0011	< 0.001	4.40
05-Apr-18	0.18	< 0.060	0.069	0.01	< 0.0030	< 0.0050	372	< 0.0100	< 0.0500	< 0.020	12.70
09-Jul-19	0.23	< 0.060	0.025	0.01	< 0.0030	< 0.0050	376	< 0.0100	0.0010	< 0.020	5.57
16-Dec-20	0.05	< 0.060	0.016	0.01	< 0.0030	< 0.0050	407	< 0.0100	< 0.0500	< 0.020	5.42
03-Mar-21	0.24	< 0.060	0.036	0.01	< 0.0030	< 0.0050	403	0.0017	< 0.0500	< 0.020	14.80
05-Aug-22	0.50	< 0.060	0.010	0.01	< 0.0030	< 0.0050	406	< 0.0100	< 0.0500	< 0.020	4.48

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-5AA</i>												
05-Feb-04	0.002	99	0.02	-	-	20.0	110.0	-	-	-	-	-
07-May-04	0.002	120	0.03	-	-	20.0	110.0	-	-	-	-	-
05-Aug-04	< 0.001	110	0.02	< 0.00040	0.05	17.0	93.0	0.031	< 0.0500	< 0.003	-	0.014
05-Nov-04	< 0.001	95	0.02	-	-	15.0	75.0	-	-	-	-	-
07-Apr-05	< 0.001	100	0.03	< 0.00040	< 0.03	22.0	110.0	0.017	< 0.0500	< 0.0030	-	< 0.010
23-May-06	< 0.001	120	0.02	< 0.00040	< 0.03	25.0	110.0	< 0.005	< 0.0500	0.0050	-	< 0.010
09-Aug-07	0.006	130	0.03	< 0.00040	< 0.03	22.0	130.0	< 0.005	< 0.0500	0.0030	-	0.042
18-Nov-08	< 0.003	130	0.05	< 0.00040	< 0.03	23.0	140.0	< 0.005	< 0.0500	< 0.0030	-	0.016
20-Feb-09	< 0.003	130	0.03	< 0.00040	< 0.03	29.0	150.0	< 0.005	< 0.0500	< 0.0030	-	0.012
12-May-10	< 0.001	140	0.02	< 0.00040	< 0.03	27.0	150.0	0.014	< 0.0500	< 0.0030	-	< 0.010
14-Jul-11	< 0.001	150	0.03	< 0.00040	< 0.03	28.0	150.0	0.013	< 0.0500	< 0.0030	-	0.027
12-Oct-12	< 0.005	150	0.05	< 0.00040	< 0.03	27.0	150.0	< 0.025	< 0.0500	< 0.0150	-	< 0.010
25-Jan-13	< 0.005	150	0.03	< 0.00040	< 0.03	31.0	170.0	< 0.025	< 0.0500	< 0.0150	-	< 0.010
03-Apr-14	< 0.001	137	0.02	< 0.00002	0.01	19.8	218.0	0.002	< 0.0004	< 0.0018	< 0.0002	< 0.005
12-Aug-15	< 0.050	130	0.03	< 0.00020	< 0.04	17.9	127.0	< 0.010	< 0.0100	< 0.0100	< 0.0500	< 0.020
25-Oct-16	< 0.002	143	0.02	< 0.00004	< 0.001	23.5	137.0	< 0.003	< 0.0005	0.0121	< 0.0009	0.002
05-Apr-18	< 0.050	143	0.03	< 0.00020	< 0.040	22.7	136.0	< 0.010	< 0.0100	0.0086	< 0.0500	0.010
09-Jul-19	< 0.050	145	0.02	< 0.00020	< 0.040	21.3	131.0	< 0.010	< 0.0100	0.0238	< 0.0500	< 0.020
16-Dec-20	< 0.050	148	0.02	< 0.00020	< 0.040	20.6	127.0	< 0.010	< 0.0100	0.0155	< 0.0500	< 0.020
03-Mar-21	< 0.050	151	0.04	< 0.00020	0.099	20.8	132.0	< 0.010	< 0.0100	0.0141	< 0.0500	0.013
05-Aug-22	< 0.050	144	0.02	< 0.00020	0.006	18.5	133.0	< 0.010	< 0.0100	0.0100	< 0.0500	0.012

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-5AA											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-5AA												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1							
	ORGANIC PARAMETERS (DETECTED)							
GROUNDWATER		Toluene (ug/l)	Acetone (ug/l)	Carbon Disulfide (ug/l)	Chloromethane (ug/l)	Idomethane (ug/l)	1,4- Dioxane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	-	5	5	1	
Monitoring Well MW-5AA	ANALYSIS METHOD							
05-Feb-04	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	-	-	-	0.0
05-Nov-04	-	-	-	-	-	-	-	-
07-Apr-05	EPA 601/602	3.0	-	-	-	-	-	3.0
23-May-06	EPA 601/602	< 1.0	-	-	-	-	-	0.0
09-Aug-07	EPA 601/603	< 1.0	-	-	-	-	-	0.0
18-Nov-08	EPA 601/603	< 1.0	-	-	-	-	-	0.0
20-Feb-09	EPA 601/603	< 1.0	-	-	-	-	-	0.0
12-May-10	EPA 601/603	< 1.0	-	-	-	-	-	0.0
14-Jul-11	EPA 601/603	< 1.0	-	-	-	-	-	0.0
12-Oct-12	EPA 601/603	< 1.0	-	-	-	-	-	0.0
25-Jan-13	EPA 601/603	< 1.0	-	-	-	-	-	0.0
03-Apr-14	EPA 8260	< 1.0	3.7 J	0.3 J	-	-	-	4.0
12-Aug-15	EPA 8260	< 1.0	< 5.0	1.1	-	-	-	1.1
25-Oct-16	EPA 8260	< 1.0	5.2	0.61 J	-	-	-	5.8
05-Apr-18	EPA 8260	< 1.0	< 5	0.42 J	-	-	-	0.4
09-Jul-19	EPA 8260	< 1.0	3.2 BJ	< 1.0	0.28 J	1.7 BJ	13.0	18.2
16-Dec-20	EPA 8260	< 1.0	< 10	< 1.0	<1	<1	-	0.0
03-Mar-21	EPA 8260	< 1.0	< 5	< 1.0	<1	<5	-	0.0
05-Aug-22	EPA 8260	< 1.0	< 5	< 1.0	<1	<5	-	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-5B</i>											
05-Feb-04	5.2	-69	8.0	1581	65.0	-	190	1200	2300	140	1500
07-May-04	10.2	-62	7.6	2490	4.5	-	220	1200	2250	138	1570
05-Aug-04	15.9	-77	8.1	2380	31.0	7	180	1300	2320	150	1420
05-Nov-04	5.5	-37	7.7	1982	3.0	-	330	1200	2170	174	1860
07-Apr-05	9.4	-40	7.5	1840	3.6	100	230	1100	2070	485	1080
23-May-06	11.5	-80	8.4	2410	17.5	24	220	1400	2450	170	981
09-Aug-07	20.0	-93	7.6	857	56.0	260	220	1400	2180	168	1330
19-Nov-08	7.0	-82	8.5	1947	37.8	10	200	1600	2080	173	1310
20-Feb-09	3.2	-90	8.7	1724	6.3	21	200	1400	2190	164	1380
12-May-10	9.7	257	5.9	939	1.1	8	190	1500	2300	156	887
14-Jul-11	19.9	-97	7.5	2415	26.1	25	200	1400	2300	147	1410
12-Oct-12	14.2	130	7.0	2527	22.5	5	220	1600	2100	192	980
24-Jan-13	Well Frozen		-	-	-	-	-	-	-	-	-
03-Apr-14	3.4	-60	7.4	1780	11.2	23	330	863	1260	126	460
12-Aug-15	17.3	-59	7.0	2100	39.8	15	238	1230	2240	211	1060
25-Oct-16	10.3	-124	7.6	680	11.1	70	168	315	438	47	130
06-Apr-17	7.1	-25	7.3	1520	11.6	60	226	735	1050	108	484
05-Apr-18	4.8	-6	7.0	1917	5.1	26	238	1010	1480	146	678
09-Jul-19	18.4	-10	6.9	2434	3.4	12	229	1360	2040	203	958
16-Dec-20	7.1	-38	7.2	2529	18.0	12	226	1470	1940	228	979
03-Mar-21	2.2	19	7.2	1829	5.8	10	227	910	1340	154	621
04-Aug-22	21.7	-27	7.4	2536	12.0	5	255	1360	2050	217	910

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-5B</i>											
05-Feb-04	-	-	-	< 0.2	3.30	-	23	-	8	< 0.005	-
07-May-04	-	-	-	< 0.2	1.90	-	29	-	8	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	9	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	1.81	-	< 20	-	8	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	2.14	25	< 4	6	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	7	< 0.005	< 0.01
09-Aug-07	-	< 0.50	< 0.01	0.3	1.29	2.09	< 20	< 4	125	< 0.005	< 0.01
19-Nov-08	-	< 0.50	< 0.01	< 0.2	0.58	1.02	< 20	< 4	7	< 0.005	< 0.01
20-Feb-09	-	0.51	< 0.01	< 0.2	1.26	1.91	31	< 4	7	0.007	< 0.01
12-May-10	-	< 0.05	< 0.01	0.1	1.02	4.36	102	6	9	0.011	< 0.01
14-Jul-11	-	< 0.05	< 0.01	0.2	0.86	1.87	30	5	7	0.025	< 0.01
12-Oct-12	-	< 0.05	< 0.01	< 0.1	1.78	2.94	52	11	10	< 0.050	< 0.01
24-Jan-13	Well Frozen		-	-	-	-	-	-	-	-	-
03-Apr-14	1.7	0.16	< 0.01	< 1.0	1.26	2.56	46	10	12	< 0.005	< 0.01
12-Aug-15	2.8	0.36	< 0.01	< 1.0	0.71	1.50	33	4	8	< 0.005	< 0.01
25-Oct-16	< 1.0	0.04	< 0.01	< 1.0	0.07	0.63	16	< 2	12	< 0.005	< 0.01
06-Apr-17	1.3	0.20	< 0.01	< 1.0	0.63	2.09	32	< 2	7	0.008	< 0.01
05-Apr-18	2.2	0.27	< 0.01	< 1.0	0.50	1.26	27	< 2	8	< 0.005	< 0.01
09-Jul-19	3.1	0.40	< 0.01	< 1.0	0.45	3.31	32	< 2	10	< 0.005	< 0.01
16-Dec-20	3.3	0.41	< 0.01	< 1.0	1.85	2.48	31	4	10	< 0.005	< 0.01
03-Mar-21	2.1	0.26	< 0.01	< 1.0	0.64	1.17	17	4	7	< 0.005	< 0.01
04-Aug-22	3.3	0.39	< 0.01	< 1.0	0.93	2.56	28	2	11	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-5B</i>											
05-Feb-04	-	-	-	-	-	< 0.0050	320	-	-	-	2.70
07-May-04	-	-	-	-	-	< 0.0050	320	-	-	-	1.70
05-Aug-04	0.12	< 0.003	0.074	< 0.30	< 0.0050	< 0.0050	350	< 0.0500	-	0.047	4.20
05-Nov-04	-	-	-	-	-	< 0.0050	310	-	-	-	2.50
07-Apr-05	0.12	< 0.003	0.021	< 0.30	< 0.0050	< 0.0050	310	< 0.0500	-	0.140	2.30
23-May-06	< 0.05	< 0.003	0.052	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	< 0.020	5.10
09-Aug-07	0.35	< 0.003	0.035	< 0.30	< 0.0050	< 0.0050	370	0.0500	-	< 0.020	3.40
19-Nov-08	0.20	< 0.003	0.017	< 0.30	< 0.0050	< 0.0050	420	< 0.0500	-	< 0.020	3.00
20-Feb-09	0.11	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	380	< 0.0500	-	< 0.020	0.02
12-May-10	0.12	< 0.003	0.069	< 0.30	< 0.0050	< 0.0050	400	< 0.0500	-	< 0.020	9.20
14-Jul-11	0.17	< 0.003	0.019	< 0.30	< 0.0050	< 0.0050	360	< 0.0500	-	< 0.020	4.30
12-Oct-12	0.23	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	< 0.020	2.90
24-Jan-13	Well Frozen		-	-	-	-	-	-	-	-	-
03-Apr-14	0.40	< 0.002	0.015	0.01	< 0.0002	0.0001	214	< 0.0004	-	< 0.003	4.99
12-Aug-15	0.86	< 0.060	0.016	< 0.02	< 0.0030	< 0.0050	330	< 0.0100	< 0.05	< 0.020	5.75
25-Oct-16	1.12	< 0.005	0.015	0.02	< 0.0001	< 0.0002	84	0.0036	< 0.001	0.014	1.54
06-Apr-17	0.26	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	197	0.0007	< 0.050	0.002	1.11
05-Apr-18	0.14	< 0.060	0.017	0.01	< 0.0030	< 0.0050	263	< 0.0100	< 0.050	< 0.020	1.85
09-Jul-19	0.41	< 0.060	0.012	0.01	< 0.0030	< 0.0050	353	0.0013	< 0.050	< 0.020	1.60
16-Dec-20	2.35	< 0.060	0.040	0.03	< 0.0030	< 0.0050	389	0.0070	0.001	0.008	8.51
03-Mar-21	0.11	< 0.060	0.032	0.01	< 0.0030	< 0.0050	235	< 0.0100	< 0.050	< 0.020	1.06
04-Aug-22	0.39	< 0.060	0.077	0.02	< 0.0030	< 0.0050	357	< 0.0100	0.001	< 0.020	1.23

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-5B</i>												
05-Feb-04	< 0.001	96	0.05	-	-	3.9	56.0	-	-	-	-	-
07-May-04	< 0.001	98	0.06	-	-	4.7	57.0	-	-	-	-	-
05-Aug-04	< 0.001	98	0.06	< 0.00040	0.067	4.3	55.0	0.022	< 0.0500	< 0.003	-	0.022
05-Nov-04	< 0.001	96	0.07	-	-	3.9	54.0	-	-	-	-	-
07-Apr-05	< 0.001	90	0.05	< 0.00040	< 0.030	4.4	61.0	0.019	< 0.0500	< 0.003	-	< 0.010
23-May-06	< 0.001	110	0.07	< 0.00040	< 0.030	4.6	62.0	< 0.005	< 0.0500	0.004	-	< 0.010
09-Aug-07	0.007	110	0.06	< 0.00040	< 0.030	3.8	66.0	0.009	< 0.0500	< 0.003	-	0.059
19-Nov-08	< 0.003	120	0.09	< 0.00040	< 0.030	5.7	83.0	< 0.005	< 0.0500	< 0.003	-	0.019
20-Feb-09	< 0.003	110	0.07	< 0.00040	< 0.030	5.4	85.0	< 0.005	< 0.0500	< 0.003	-	0.026
12-May-10	< 0.001	120	0.06	< 0.00040	< 0.030	5.7	87.0	< 0.005	< 0.0500	< 0.003	-	0.011
14-Jul-11	< 0.001	110	0.06	< 0.00040	< 0.030	5.1	85.0	< 0.005	< 0.0500	< 0.003	-	0.016
12-Oct-12	< 0.005	120	0.06	< 0.00040	< 0.030	5.2	91.0	< 0.025	< 0.0500	< 0.015	-	0.024
24-Jan-13	Well Frozen		-	-	-	-	-	-	-	-	-	-
03-Apr-14	< 0.001	80	1.22	< 0.00002	0.002	3.7	57.7	0.003	< 0.0004	< 0.002	< 0.002	0.010
12-Aug-15	< 0.050	100	0.10	< 0.00020	< 0.040	4.3	77.0	< 0.010	< 0.0100	< 0.010	< 0.050	0.027
25-Oct-16	< 0.002	25	0.03	< 0.00004	< 0.001	6.4	20.4	< 0.003	< 0.0005	0.005	0.003	0.016
06-Apr-17	< 0.005	59	0.06	< 0.00020	0.010	3.2	50.0	< 0.010	< 0.0100	0.003	< 0.050	0.007
05-Apr-18	< 0.005	85	0.08	< 0.00020	< 0.040	4.5	72.9	< 0.010	< 0.0100	< 0.010	< 0.050	0.014
09-Jul-19	< 0.050	117	0.09	< 0.00020	< 0.040	5.3	91.3	< 0.010	< 0.0100	0.019	< 0.050	0.021
16-Dec-20	< 0.050	120	0.12	< 0.00020	0.005	6.4	89.0	< 0.010	< 0.0100	0.009	0.003	0.119
03-Mar-21	< 0.050	79	0.05	< 0.00020	0.005	3.6	67.3	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
04-Aug-22	< 0.050	113	0.08	< 0.00020	0.013	5.1	92.0	< 0.010	0.0006	0.010	< 0.050	0.029

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-5B											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-
24-Jan-13	Well Frozen		-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-5B												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
24-Jan-13	Well Frozen		-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1					
	ORGANIC PARAMETERS (DETECTED)					
GROUNDWATER		Toluene (ug/l)	Acetone (ug/l)	Carbon Disulfide (ug/l)	Idomethane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	-	5	
Monitoring Well MW-5B	ANALYSIS METHOD					
05-Feb-04	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-
05-Aug-04	EPA 601/602	<1.0	-	-	-	0.0
05-Nov-04	-	-	-	-	-	-
07-Apr-05	EPA 601/602	2.0	-	-	-	2.0
23-May-06	EPA 601/602	<1.0	-	-	-	0.0
09-Aug-07	EPA 601/603	<1.0	-	-	-	0.0
19-Nov-08	EPA 601/603	<1.0	-	-	-	0.0
20-Feb-09	EPA 601/603	<1.0	-	-	-	0.0
12-May-10	EPA 601/603	<1.0	-	-	-	0.0
14-Jul-11	EPA 601/603	<1.0	-	-	-	0.0
12-Oct-12	EPA 601/603	<1.0	-	-	-	0.0
24-Jan-13	Well Frozen	-	-	-	-	-
03-Apr-14	EPA 8260	<1.0	2.1 J	0.4 J	-	2.5
12-Aug-15	EPA 8260	<1.0	4.3 J	0.82 J	-	5.1
25-Oct-16	EPA 8260	<1.0	4.8 J	0.34 J	-	5.1
06-Apr-17	EPA 8260	<1.0	4.9 J	0.30 J	-	5.2
05-Apr-18	EPA 8260	<1.0	< 5.0	0.25 J	-	0.3
09-Jul-19	EPA 8260	<1.0	3.2 BJ	0.36 J	1.6 BJ	5.2
16-Dec-20	EPA 8260	<1.0	5.2 J	0.9 J	< 1	6.1
03-Mar-21	EPA 8260	<1.0	< 5.0	< 1	< 5	0.0
04-Aug-22	EPA 8260	<1.0	< 5.0	1.4	< 5	1.4

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-7AA</i>											
05-Feb-04	3.2	-65	7.9	1584	5.3	-	340	410	1900	750	54
07-May-04	12.1	-35	7.1	3060	2.5	-	240	480	1860	838	< 50
05-Aug-04	14.9	-34	7.2	2290	5.3	7	590	380	1320	170	46
05-Nov-04	4.0	-10	7.2	2050	5.3	-	520	380	1200	444	146
07-Apr-05	8.6	-45	7.6	1946	0.4	15	370	440	1600	919	209
23-May-06	55.6	5	7.8	3010	12.6	24	380	470	1940	774	32
10-Aug-07	18.8	-96	7.7	547	14.4	80	580	1100	1740	416	201
18-Nov-08	7.7	-26	7.5	214	7.1	20	410	380	1280	586	51
25-Feb-09	Well Frozen		-	-	-	-	-	-	-	-	-
12-May-10	9.9	256	6.0	1494	0.8	20	460	940	2600	960	76
19-Jul-11	23.3	82	7.2	2846	16.9	25	550	1200	2200	461	235
16-Oct-12	13.8	128	7.4	2920	22.1	15	300	490	1900	754	182
23-Jan-13	5.6	103	6.8	2250	9.6	10	420	450	1200	500	49
03-Apr-14	4.9	38	7.1	2700	6.5	7	465	817	1390	573	89
11-Aug-15	18.6	-78	7.1	2900	6.6	11	530	1340	1750	642	264
27-Oct-16	11.4	-53	7.2	2700	3.8	19	311	471	1330	523	146
09-May-17	10.4	154	7.3	2800	2.5	10	430	689	1500	594	95
05-Apr-18	3.4	123	7.4	2507	1.4	14	399	546	1380	624	60
11-Jul-19	19.4	-10	6.9	3292	1.9	26	470	1840	1840	734	93
15-Dec-20	6.7	71	7.5	1871	4.7	12	365	360	1100	335	94
04-Mar-21	2.2	99	7.6	1677	5.2	15	391	351	877	287	53
03-Aug-22	18.1	52	7.1	3452	2.0	2	536	1140	1910	735	141

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-7AA</i>											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	25	-	4	< 0.005	-
07-May-04	-	-	-	< 0.2	< 0.10	-	32	-	6	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	27	9	9	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	24	-	7	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	2.63	21	< 4	5	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	6	< 0.005	< 0.01
10-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	3.3	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	5.7	< 0.005	< 0.01
25-Feb-09	Well Frozen		-	-	-	-	-	-	-	-	-
12-May-10	-	< 0.50	< 0.01	0.4	< 0.50	< 0.50	< 20	< 4	6.2	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	20	< 4	< 3	< 0.005	< 0.01
16-Oct-12	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	39	< 4	7.3	< 0.050	< 0.01
23-Jan-13	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	21	< 4	5.6	< 0.050	< 0.01
03-Apr-14	< 1	0.03	< 0.01	< 1.0	< 0.05	< 0.20	14	< 2	3.2	< 0.005	< 0.01
11-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.07	0.59	16	< 2	3.2	< 0.005	< 0.01
27-Oct-16	< 1	0.04	< 0.01	< 1.0	< 0.05	0.38	16	< 2	6.8	< 0.005	< 0.01
09-May-17	< 1	0.05	< 0.01	< 1.0	0.32	0.57	12	< 2	7.2	< 0.005	< 0.01
05-Apr-18	< 1	0.04	< 0.01	< 1.0	< 0.05	0.21	13	< 2	3.2	< 0.005	< 0.01
11-Jul-19	< 1	0.08	< 0.01	< 1.0	< 0.05	0.38	16	< 2	6.2	< 0.005	< 0.01
15-Dec-20	< 1	0.02	< 0.01	< 1.0	< 0.05	0.39	21	< 2	5.8	< 0.005	< 0.01
04-Mar-21	< 1	0.02	< 0.01	< 1.0	< 0.05	< 0.20	9	< 2	3.4	< 0.005	< 0.01
03-Aug-22	< 1	0.09	< 0.01	< 1.0	< 0.05	< 0.20	13	< 2	6.3	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-7AA</i>											
05-Feb-04	-	-	-	-	-	< 0.005	110	-	-	-	0.14
07-May-04	-	-	-	-	-	< 0.005	120	-	-	-	0.35
05-Aug-04	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	88	< 0.0500	-	0.10	0.26
05-Nov-04	-	-	-	-	-	< 0.005	100	-	-	-	0.35
07-Apr-05	0.10	< 0.003	0.012	< 0.3	< 0.005	< 0.005	120	< 0.0500	-	0.12	0.43
23-May-06	0.20	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	130	< 0.0500	-	< 0.02	0.37
10-Aug-07	0.06	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	190	< 0.0500	-	< 0.02	0.83
18-Nov-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	100	< 0.0500	-	< 0.02	0.36
25-Feb-09	Well Frozen		-	-	-	-	-	-	-	-	-
12-May-10	0.10	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	240	< 0.0200	-	< 0.02	1.70
19-Jul-11	0.23	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	200	0.0910	-	< 0.02	0.85
16-Oct-12	0.06	< 0.015	< 0.050	< 0.3	< 0.005	< 0.005	140	0.1300	-	< 0.02	0.23
23-Jan-13	0.08	< 0.015	< 0.050	< 0.3	< 0.005	< 0.005	120	< 0.0500	-	< 0.02	0.18
03-Apr-14	0.27	< 0.002	< 0.001	0.1	< 0.002	< 0.001	162	< 0.0004	< 0.0002	< 0.003	0.63
11-Aug-15	0.18	< 0.060	< 0.010	0.1	< 0.003	< 0.005	233	< 0.0100	< 0.0500	< 0.02	4.34
27-Oct-16	0.07	< 0.005	< 0.005	0.1	< 0.0001	0.0004	130	0.0004	< 0.0011	0.01	0.13
09-May-17	0.07	< 0.060	< 0.010	0.1	< 0.003	< 0.0050	162	< 0.0100	< 0.0030	< 0.02	0.17
05-Apr-18	0.09	< 0.060	< 0.010	0.1	< 0.003	0.0008	147	< 0.0100	< 0.0030	< 0.02	0.28
11-Jul-19	0.07	< 0.060	< 0.010	0.1	< 0.003	0.0005	188	< 0.0100	0.0010	< 0.02	0.25
15-Dec-20	0.10	< 0.060	< 0.010	0.1	< 0.003	0.0005	95	0.0063	< 0.0500	< 0.02	0.28
04-Mar-21	0.13	< 0.060	< 0.010	0.1	< 0.003	< 0.0050	87	0.0017	0.0012	< 0.02	0.18
03-Aug-22	< 0.10	< 0.060	< 0.010	0.1	< 0.003	< 0.0050	195	< 0.0100	< 0.0500	< 0.02	0.35

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-7AA</i>												
05-Feb-04	0.002	32	0.05	-	-	4.3	370.0	-	-	-	-	-
07-May-04	0.003	41	0.32	-	-	5.5	410.0	-	-	-	-	-
05-Aug-04	< 0.001	39	0.07	< 0.00040	< 0.03	3.4	230.0	0.011	< 0.0500	< 0.003	-	0.017
05-Nov-04	< 0.001	30	0.07	-	-	5.3	270.0	-	-	-	-	-
07-Apr-05	< 0.001	34	0.24	< 0.00040	< 0.03	4.5	380.0	0.017	< 0.0500	< 0.003	-	< 0.010
23-May-06	< 0.001	37	0.50	< 0.00040	< 0.03	5.6	320.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
10-Aug-07	0.024	150	0.15	< 0.00040	< 0.03	3.7	100.0	0.027	< 0.0500	< 0.003	-	0.120
18-Nov-08	< 0.003	29	0.10	< 0.00040	< 0.03	4.6	400.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
25-Feb-09	Well Frozen	-	-	-	-	-	-	-	-	-	-	-
12-May-10	< 0.001	83	0.89	< 0.00040	< 0.03	9.9	500.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
19-Jul-11	< 0.001	170	0.17	< 0.00040	0.04	5.4	170.0	< 0.005	< 0.0500	< 0.003	-	0.010
16-Oct-12	< 0.005	36	0.02	< 0.00040	0.03	5.7	490.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
23-Jan-13	< 0.005	36	0.04	< 0.00040	< 0.03	4.3	400.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
03-Apr-14	< 0.008	100	0.51	< 0.00002	0.01	2.7	248.0	0.004	< 0.0004	< 0.002	< 0.0002	< 0.005
11-Aug-15	< 0.050	184	0.24	< 0.00020	< 0.04	3.9	189.0	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
27-Oct-16	< 0.002	35	0.01	< 0.00004	0.02	4.5	336.0	< 0.003	< 0.0005	0.006	0.0010	0.005
09-May-17	< 0.050	69	0.23	< 0.00020	0.01	4.3	325.0	0.005	< 0.0100	0.007	< 0.0500	< 0.020
05-Apr-18	< 0.050	43	0.21	< 0.00020	0.01	3.1	354.0	0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
11-Jul-19	< 0.050	90	0.34	< 0.00020	0.01	3.8	385.0	< 0.010	< 0.0100	0.013	< 0.0500	< 0.020
15-Dec-20	< 0.050	30	0.06	< 0.00020	0.05	1.8	272.0	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
04-Mar-21	< 0.005	33	0.11	< 0.00020	0.02	1.6	241.0	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
03-Aug-22	< 0.005	158	0.13	< 0.00020	0.01	3.7	285.0	< 0.010	< 0.0100	0.008	< 0.0500	0.005

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-7AA											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
25-Feb-09	Well Frozen		-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
Monitoring Well MW-7AA												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
25-Feb-09	Well Frozen		-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1						
ORGANIC PARAMETERS (DETECTED)						
GROUNDWATER		Toluene (ug/l)	Acetone (ug/l)	4-methyl-2- pentanone (ug/l)	Carbon Disulfide (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	-	-	
<i>Monitoring Well</i> MW-7AA	ANAYLSIS METHOD					
05-Feb-04	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	-	0.0
05-Nov-04	-	-	-	-	-	-
07-Apr-05	EPA 601/602	2.0	-	-	-	2.0
23-May-06	EPA 601/602	< 1.0	-	-	-	0.0
10-Aug-07	EPA 601/603	< 1.0	-	-	-	0.0
18-Nov-08	EPA 601/602	< 1.0	-	-	-	0.0
25-Feb-09	Well Frozen	-	-	-	-	-
12-May-10	EPA 601/602	< 1.0	-	-	-	0.0
19-Jul-11	EPA 601/602	< 1.0	-	-	-	0.0
16-Oct-12	EPA 601/602	< 1.0	-	-	-	0.0
23-Jan-13	EPA 601/602	< 1.0	-	-	-	0.0
03-Apr-14	EPA 8260	< 1.0	1.5 J	-	-	1.5
11-Aug-15	EPA 8260	0.39 J	16.0	1.8 J	0.37 J	18.6
27-Oct-16	EPA 8260	< 1.0	2.4 J	< 5.0	0.35 J	2.8
09-May-17	EPA 8260	< 1.0	1.6 J	< 5.0	0.27 J	1.9
05-Apr-18	EPA 8260	< 1.0	< 5.0	< 5.0	< 1.0	0.0
11-Jul-19	EPA 8260	< 1.0	4.0 BJ	< 5.0	< 1.0	4.0
15-Dec-20	EPA 8260	< 1.0	< 5.0	< 5.0	< 1.0	0.0
04-Mar-21	EPA 8260	< 1.0	< 5.0	< 5.0	< 1.0	0.0
03-Aug-22	EPA 8260	< 1.0	< 5.0	< 5.0	< 1.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-7BB</i>											
05-Feb-04	WELL FROZEN					-	-	-	-	-	-
07-May-04	12.5	-89	8.1	2830	36.0	-	440	440	2790	23	3030
05-Aug-04	16.5	-76	8.0	2680	5.3	5	250	1600	2870	20	1110
05-Nov-04	3.3	-33	7.6	2510	6.3	-	430	1700	2700	37	2870
07-Apr-05	9.3	-35	7.5	2070	0.8	10	270	1500	2690	24	35
23-May-06	13.2	-80	7.7	2620	9.8	14	270	1600	3020	24	1410
10-Aug-07	20.1	-98	7.7	705	5.7	9	250	1900	3090	24	1820
17-Nov-08	7.4	-51	8.0	246	19.3	25	220	2100	2400	19	1760
25-Feb-09	WELL FROZEN					-	-	-	-	-	-
12-May-10	9.4	252	6.9	1112	0.4	< 5	200	2400	3000	18	2090
19-Jul-11	24.4	14	7.3	2928	15.1	25	240	2000	3300	23	2310
16-Oct-12	13.8	90	7.6	2879	42.4	2	220	2200	2900	20	898
24-Jan-13	WELL FROZEN					-	-	-	-	-	-
03-Apr-14	7.4	-102	7.3	290	24.1	8	200	1870	2720	19	1720
11-Aug-15	18.7	-48	7.3	2700	43.6	13	238	2070	2890	24	1840
27-Oct-16	11.1	-6	7.0	2600	5.5	17	231	2110	2720	24	1690
09-May-17	10.7	-30	7.2	2900	8.3	11	234	2160	2830	23	1740
05-Apr-18	3.4	-103	7.3	2859	7.0	14	230	2040	2700	23	1670
10-Jul-19	21.4	-105	7.0	2869	5.4	29	217	840	2710	25	1540
15-Dec-20	5.0	-107	7.2	2831	20.6	9	221	2080	2510	26	1750
04-Mar-21	3.2	-118	7.1	2905	29.4	10	249	2120	2790	28	1770
03-Aug-22	21.3	-115	7.2	2868	8.0	2	237	2050	2800	27	1650

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-7BB</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	< 0.2	< 0.10	-	38	-	3	< 0.005	-
05-Aug-04	-	0.66	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	3	< 0.005	-
07-Apr-05	-	0.66	< 0.01	< 0.2	< 0.50	1.97	< 20	< 4	< 3	< 0.005	< 0.01
23-May-06	-	0.78	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
10-Aug-07	-	0.83	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
17-Nov-08	-	0.96	< 0.01	< 0.2	< 0.50	< 0.50	< 20	8	< 3	< 0.005	< 0.01
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
12-May-10	-	0.89	< 0.01	< 0.5	< 0.50	< 0.50	< 20	5	< 3	< 0.005	< 0.01
19-Jul-11	-	1.00	< 0.01	0.1	< 0.50	< 0.50	22	< 4	< 3	< 0.005	< 0.01
16-Oct-12	-	0.71	< 0.01	< 0.1	< 0.50	< 0.50	< 20	5	< 3	< 0.050	< 0.01
24-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	< 1	0.84	< 0.01	< 1.0	0.28	0.41	24	6	1	< 0.005	< 0.01
11-Aug-15	< 1	0.77	< 0.01	< 1.0	0.32	0.44	7	3	1	< 0.005	< 0.01
27-Oct-16	< 1	0.85	< 0.01	< 1.0	0.25	0.37	6	3	1	< 0.005	< 0.01
09-May-17	< 1	0.90	< 0.01	< 1.0	0.34	0.50	< 5	3	2	< 0.005	< 0.01
05-Apr-18	< 1	0.93	< 0.01	< 1.0	0.26	0.40	10	4	1	< 0.005	< 0.01
10-Jul-19	< 1	0.92	< 0.01	< 1.0	0.27	0.47	8	3	4	< 0.005	< 0.01
15-Dec-20	< 1	0.85	< 0.01	< 1.0	< 1.00	0.37	12	3	1	< 0.005	< 0.01
04-Mar-21	< 1	0.92	< 0.01	< 1.0	0.32	0.30	9	4	< 1	< 0.005	< 0.01
03-Aug-22	< 1	0.82	< 0.01	< 1.0	0.32	0.45	7	2	3	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.20	0.30
<i>Monitoring Well MW-7BB</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	< 0.0050	110	-	-	-	0.41
05-Aug-04	0.20	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	450	< 0.050	-	0.091	0.24
05-Nov-04	-	-	-	-	-	< 0.0050	460	-	-	-	0.56
07-Apr-05	0.56	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	400	< 0.050	-	0.130	0.83
23-May-06	0.13	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	430	< 0.050	-	< 0.020	0.30
10-Aug-07	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	510	< 0.050	-	< 0.020	0.25
17-Nov-08	1.60	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	570	< 0.050	-	< 0.020	8.00
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
12-May-10	5.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	650	< 0.050	-	< 0.020	8.50
19-Jul-11	0.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	530	< 0.050	-	< 0.020	0.34
16-Oct-12	0.34	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	610	< 0.050	-	< 0.020	0.98
24-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	1.08	< 0.002	< 0.001	0.01	< 0.0002	< 0.0001	468	< 0.001	< 0.0002	< 0.003	1.10
11-Aug-15	1.95	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	562	< 0.010	< 0.0500	< 0.020	9.11
27-Oct-16	0.72	< 0.005	< 0.005	0.01	< 0.0001	0.0002	586	0.001	< 0.0011	0.001	0.94
09-May-17	0.82	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	592	0.001	< 0.0500	< 0.020	0.81
05-Apr-18	0.74	< 0.060	0.007	0.01	< 0.0030	< 0.0050	543	< 0.010	< 0.0500	< 0.020	0.92
10-Jul-19	1.48	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	554	0.003	0.0013	< 0.020	2.61
15-Dec-20	0.45	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	562	0.001	< 0.0050	< 0.020	0.97
04-Mar-21	1.94	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	564	0.003	0.0016	< 0.020	1.75
03-Aug-22	0.57	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	561	< 0.010	< 0.0500	< 0.020	0.88

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-7BB</i>												
05-Feb-04	WELL FROZEN		-	-	-	-	-	-	-	-	-	-
07-May-04	0.001	42	0.05	-	-	2.0	15.0	-	-	-	-	-
05-Aug-04	< 0.001	120	0.06	< 0.00040	0.058	4.0	16.0	0.028	< 0.0500	< 0.003	-	0.022
05-Nov-04	< 0.001	120	0.07	-	-	3.8	15.0	-	-	-	-	-
07-Apr-05	< 0.001	110	0.05	< 0.00040	0.039	4.7	16.0	0.009	< 0.0500	< 0.003	-	0.015
23-May-06	< 0.001	120	0.04	< 0.00040	< 0.030	2.9	14.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
10-Aug-07	< 0.003	140	0.04	< 0.00040	< 0.030	2.9	18.0	0.009	< 0.0500	< 0.003	-	0.042
17-Nov-08	< 0.003	160	0.11	< 0.00040	< 0.030	4.1	18.0	< 0.005	< 0.0500	< 0.003	-	0.016
25-Feb-09	WELL FROZEN		-	-	-	-	-	-	-	-	-	-
12-May-10	0.004	180	0.19	< 0.00040	< 0.030	6.3	20.0	< 0.005	< 0.0500	< 0.003	-	0.070
19-Jul-11	< 0.001	160	0.09	< 0.00040	< 0.030	4.2	22.0	< 0.025	< 0.0500	< 0.003	-	< 0.010
16-Oct-12	< 0.005	150	0.05	< 0.00040	< 0.030	4.3	19.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
24-Jan-13	WELL FROZEN		-	-	-	-	-	-	-	-	-	-
03-Apr-14	< 0.008	171	0.06	< 0.00002	< 0.001	3.6	18.9	0.002	< 0.0004	< 0.002	0.001	0.022
11-Aug-15	< 0.050	160	0.23	< 0.00020	< 0.040	3.9	17.7	< 0.010	< 0.0100	< 0.010	< 0.050	0.030
27-Oct-16	< 0.002	156	0.07	< 0.00004	< 0.001	3.6	19.8	< 0.003	< 0.0005	0.013	0.002	0.004
09-May-17	< 0.050	165	0.05	< 0.00020	< 0.040	3.6	20.2	< 0.010	< 0.0100	0.014	0.002	0.020
05-Apr-18	< 0.050	167	0.12	< 0.00020	< 0.040	3.9	21.6	< 0.010	< 0.0100	0.015	< 0.050	< 0.020
10-Jul-19	< 0.050	170	0.09	< 0.00020	< 0.040	4.3	20.9	< 0.010	< 0.0100	0.023	0.001	0.010
15-Dec-20	< 0.050	165	0.14	< 0.00020	0.004	3.2	19.7	< 0.010	< 0.0100	0.018	0.001	< 0.020
04-Mar-21	< 0.005	172	0.06	< 0.00020	< 0.040	4.0	19.5	< 0.010	< 0.0100	0.019	0.003	< 0.020
03-Aug-22	< 0.050	158	0.05	< 0.00020	< 0.040	3.2	18.9	< 0.010	< 0.0100	0.012	0.001	0.005

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-7BB											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
17-Nov-08	-	-	-	-	-	-	-	-	-	-	-
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
24-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-7BB												
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
17-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
24-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1					
	ORGANIC PARAMETERS (DETECTED)					
GROUNDWATER		Toluene (ug/l)	Carbon Disulfide (ug/l)	Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)	
6NYCRR Part 703 GROUNDWATER STANDARD		5	-	[50]		
Monitoring Well MW-7BB	ANALYSIS METHOD					
	05-Feb-04	WELL FROZEN	-	-	-	-
	07-May-04	-	-	-	-	-
	05-Aug-04	EPA 601/602	< 1.0	-	-	0.0
	05-Nov-04	-	-	-	-	-
	07-Apr-05	EPA 601/602	10	-	-	10.0
	23-May-06	EPA 601/602	< 1.0	-	-	0.0
	10-Aug-07	EPA 601/602	< 1.0	-	-	0.0
	17-Nov-08	EPA 601/602	< 1.0	-	-	0.0
	25-Feb-09	WELL FROZEN	-	-	-	-
	12-May-10	EPA 601/602	< 1.0	-	-	0.0
	19-Jul-11	EPA 601/602	< 1.0	-	-	0.0
	16-Oct-12	EPA 601/602	< 1.0	-	-	0.0
	24-Jan-13	WELL FROZEN	-	-	-	-
	03-Apr-14	EPA 8260	< 1.0	-	-	0.0
	11-Aug-15	EPA 8260	0.34 J	0.31 J	-	0.7
	27-Oct-16	EPA 8260	< 1.0	0.31 J	1.6 J	1.9
	09-May-17	EPA 8260	< 1.0	0.26 J	2.6 J	1.9
	05-Apr-18	EPA 8260	< 1.0	0.31 J	1.3 J	1.6
	10-Jul-19	EPA 8260	< 1.0	0.66 J	3.0 BJ	3.7
	15-Dec-20	EPA 8260	< 1.0	0.46 J	< 5.0	0.5
	04-Mar-21	EPA 8260	< 1.0	< 1.0	< 5.0	0.0
	03-Aug-22	EPA 8260	< 1.0	0.47 J	< 5.0	0.5

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-11B</i>											
08-Apr-05	15.9	-125	8.7	419	6.8	100	79	120	275	5	293
23-May-06	14.4	-10	8.5	712	6.5	12	130	150	530	27	150
10-Aug-07	16.2	-208	8.2	342	13.4	20	84	150	322	4	109
19-Nov-08	11.5	-166	9.9	470	10.4	18	130	170	352	4	134
26-Feb-09	12.5	-120	9.1	450	10.4	< 5	160	260	467	3	241
13-May-10	14.7	176	7.4	361	1.1	< 5	160	300	480	2	477
19-Jul-11	22.9	6	8.2	739	9.6	35	170	270	660	3	239
12-Oct-12	11.4	142	8.0	847	43.6	5	180	310	540	1	196
25-Jan-13	8.3	115	8.2	792	7.7	< 5	180	320	680	2	185
03-Apr-14	10.7	-65	7.7	740	10.4	9	179	298	530	3	224
11-Aug-15	13.1	-15	7.7	780	16.4	14	194	340	568	< 2	275
25-Oct-16	9.2	-101	7.7	840	20.8	42	219	385	574	2	246
07-Apr-17	10.9	53	7.7	800	13.9	11	206	367	562	< 2	256
04-Apr-18	10.0	227	6.9	794	5.3	14	200	359	553	< 2	232
09-Jul-19	12.6	48	7.3	796	8.4	34	189	370	582	< 2	233
15-Dec-20	10.1	151	7.5	799	5.3	8	189	354	560	< 2	238
04-Mar-21	9.8	11	7.6	818	7.2	14	205	364	567	< 2	243
03-Aug-22	13.3	92	7.7	793	8.7	3	203	339	564	< 2	216

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-11B</i>											
08-Apr-05	-	< 0.50	< 0.01	2.0	< 0.50	23.00	< 20	< 4	3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	1.3	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
10-Aug-07	-	< 0.50	< 0.01	3.0	< 0.50	< 0.05	< 20	< 4	< 3	< 0.005	< 0.01
19-Nov-08	-	< 0.50	< 0.01	0.7	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
13-May-10	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	7	< 3	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.01	0.3	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
12-Oct-12	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
25-Jan-13	-	< 0.50	< 0.01	0.5	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
03-Apr-14	< 1	0.23	< 0.01	< 1.0	0.39	0.58	10	2	2	< 0.005	< 0.01
11-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.24	1.61	10	3	2	< 0.005	< 0.01
25-Oct-16	< 1	0.24	< 0.01	< 1.0	1.80	3.13	10	29	8	0.014	< 0.01
07-Apr-17	< 1	0.25	< 0.01	< 1.0	< 1.00	1.34	11	< 2	< 1	< 0.005	< 0.01
04-Apr-18	< 1	0.26	< 0.01	< 1.0	0.21	0.38	11	< 2	1	< 0.005	< 0.01
09-Jul-19	< 1	0.27	< 0.01	< 1.0	0.11	0.73	< 5	5	2	< 0.005	< 0.01
15-Dec-20	< 1	0.25	< 0.01	< 1.0	0.20	0.39	6	2	< 1	< 0.005	< 0.01
04-Mar-21	< 1	0.26	< 0.01	< 1.0	0.14	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
03-Aug-22	< 1	0.24	< 0.01	< 1.0	0.18	0.38	< 5	2	2	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.20	0.30
<i>Monitoring Well</i> MW-11B											
08-Apr-05	0.37	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	27	< 0.0500	-	0.050	0.91
23-May-06	0.12	0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	39	< 0.0500	-	< 0.020	0.24
10-Aug-07	0.08	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	34	0.0500	-	0.026	0.31
19-Nov-08	0.07	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	42	< 0.0500	-	< 0.020	0.91
26-Feb-09	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	59	< 0.0500	-	< 0.020	0.12
13-May-10	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	70	< 0.0500	-	< 0.020	0.26
19-Jul-11	0.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	65	< 0.0500	-	< 0.020	0.48
12-Oct-12	0.20	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	76	< 0.0500	-	< 0.020	0.40
25-Jan-13	0.01	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	80	< 0.0500	-	< 0.020	0.30
03-Apr-14	0.18	< 0.002	< 0.001	0.05	< 0.0002	< 0.0001	68	< 0.0004	< 0.0002	< 0.003	0.63
11-Aug-15	1.30	< 0.060	< 0.010	0.05	< 0.0030	< 0.0050	83	< 0.0100	< 0.0500	< 0.020	2.50
25-Oct-16	1.49	< 0.005	< 0.005	0.08	< 0.0001	0.0003	99	0.0079	0.0013	0.025	2.33
07-Apr-17	0.65	< 0.060	< 0.010	0.04	< 0.0030	< 0.0050	90	0.0026	< 0.0500	0.007	0.62
04-Apr-18	0.16	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	88	< 0.0100	< 0.0500	< 0.020	0.14
09-Jul-19	0.81	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	90	0.0020	0.0009	< 0.020	0.73
15-Dec-20	0.15	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	85	0.0033	< 0.0500	< 0.020	0.26
04-Mar-21	0.14	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	88	0.0006	< 0.0500	< 0.020	0.17
03-Aug-22	0.69	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	82	0.0040	< 0.0500	0.008	0.66

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-11B												
08-Apr-05	0.003	13	< 0.02	0.00120	< 0.030	8.9	40.0	0.008	< 0.0500	< 0.003	-	0.050
23-May-06	0.005	13	< 0.02	< 0.00040	< 0.030	6.8	34.0	< 0.005	< 0.0500	< 0.003	-	0.017
10-Aug-07	0.003	15	< 0.02	< 0.00040	< 0.030	6.3	33.0	< 0.005	< 0.0500	< 0.003	-	0.023
19-Nov-08	< 0.005	15	< 0.02	< 0.00040	< 0.030	8.1	37.0	< 0.005	< 0.0500	< 0.003	-	0.015
26-Feb-09	0.005	28	< 0.02	< 0.00040	< 0.030	6.2	43.0	< 0.005	< 0.0500	< 0.003	-	0.013
13-May-10	< 0.011	31	< 0.02	< 0.00040	< 0.030	7.6	44.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
19-Jul-11	0.002	25	0.03	< 0.00040	< 0.030	6.6	39.0	< 0.005	< 0.0500	< 0.003	-	0.014
12-Oct-12	< 0.005	29	< 0.02	< 0.00040	< 0.030	5.6	37.0	< 0.025	< 0.0500	< 0.015	-	0.011
25-Jan-13	< 0.005	29	< 0.02	< 0.00040	< 0.030	6.3	36.0	< 0.025	< 0.0500	< 0.015	-	0.013
03-Apr-14	0.001	31	0.02	< 0.00002	< 0.001	6.2	38.0	0.004	< 0.0004	< 0.002	< 0.0002	< 0.005
11-Aug-15	< 0.050	32	0.04	< 0.00020	< 0.040	5.7	34.0	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
25-Oct-16	0.003	34	0.04	0.00005	< 0.001	6.7	34.1	< 0.003	< 0.0005	< 0.002	0.0028	0.041
07-Apr-17	< 0.005	35	0.02	< 0.00020	0.008	5.7	34.2	< 0.010	< 0.0100	0.003	0.0012	0.010
04-Apr-18	< 0.050	34	0.02	< 0.00020	< 0.040	5.5	34.3	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
09-Jul-19	< 0.050	36	0.02	< 0.00020	< 0.040	6.1	36.2	< 0.010	< 0.0100	0.014	0.0009	< 0.020
15-Dec-20	< 0.050	34	0.01	< 0.00020	0.004	5.3	34.5	< 0.010	< 0.0100	0.009	0.0008	< 0.020
04-Mar-21	< 0.005	35	0.01	< 0.00020	< 0.040	5.5	33.6	< 0.010	< 0.0100	0.008	0.0008	< 0.020
03-Aug-22	< 0.050	33	0.02	< 0.00020	< 0.040	5.1	32.7	< 0.010	< 0.0100	0.008	0.0010	0.010

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-11B											
08-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	0.12	< 0.002	< 0.001	0.04	< 0.0002	< 0.0001	80	< 0.0004	< 0.0002	< 0.00	0.61
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-11B												
08-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	< 0.008	31	0.02	< 0.00002	< 0.001	5.9	36.4	0.003	< 0.0004	< 0.002	< 0.0002	0.001
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1						
ORGANIC PARAMETERS (DETECTED)						
GROUNDWATER	Carbon Disulfide (ug/l)	Toluene (ug/l)	Acetone (ug/l)	Ethylbenzene (ug/l)	Idomethane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	5	[50]	5	5	
<i>Monitoring Well</i> MW-11B	ANALYSIS METHOD					
08-Apr-05	EPA 601/602	-	-	-	-	0.0
23-May-06	EPA 601/602	-	-	-	-	0.0
10-Aug-07	EPA 601/602	-	-	-	-	0.0
19-Nov-08	EPA 601/602	-	-	-	-	0.0
26-Feb-09	EPA 601/602	-	-	-	-	0.0
13-May-10	EPA 601/602	-	-	-	-	0.0
19-Jul-11	EPA 601/602	-	-	-	-	0.0
12-Oct-12	EPA 601/602	-	-	-	-	0.0
25-Jan-13	EPA 601/602	-	-	-	-	0.0
03-Apr-14	EPA 8260	0.6 J	-	-	-	0.6
11-Aug-15	EPA 8260	0.3 J	2.5	20	-	22.8
25-Oct-16	EPA 8260	0.56 J	0.48 J	3.2 J	0.65 J	4.9
07-Apr-17	EPA 8260	0.40 J	< 1.0	< 5.0	< 1.0	0.4
04-Apr-18	EPA 8260	0.46 J	< 1.0	< 5.0	< 1.0	0.5
09-Jul-19	EPA 8260	< 1.0	< 1.0	2.8 BJ	< 1.0	1.5 BJ
15-Dec-20	EPA 8260	0.5	< 1.0	< 5.0	< 1.0	< 5.0
04-Mar-21	EPA 8260	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0
03-Aug-22	EPA 8260	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well</i> MW-11C											
07-Apr-05	12.2	-65	8.0	601	6.0	100	180	180	472	6	260
23-May-06	57.0	-10	8.6	786	17.1	18	94	360	275	25	279
10-Aug-07	15.7	-200	8.8	432	8.1	12	82	320	728	3	294
19-Nov-08	12.6	-152	9.7	678	13.6	17	79	310	550	2	343
26-Feb-09	12.1	-123	9.2	675	14.1	11	100	350	592	194	396
13-May-10	13.2	237	7.4	377	2.0	10	95	400	620	2	454
19-Jul-11	20.1	-99	8.0	853	46.2	125	110	400	660	3	427
12-Oct-12	11.0	140	7.8	1209	45.9	< 2	150	610	1000	12	657
25-Jan-13	6.8	121	8.0	1117	33.5	< 5	150	610	1300	3	509
03-Apr-14	10.6	-35	7.6	1520	16.6	12	152	459	1420	2	829
11-Aug-15	12.8	-65	7.6	1440	18.2	14	143	957	1370	2	885
25-Oct-16	10.3	-123	8.0	930	15.9	25	104	404	689	< 2	385
07-Apr-17	8.8	13	7.9	910	12.6	13	125	458	712	< 2	418
04-Apr-18	10.7	267	6.6	883	6.2	13	112	418	645	2	352
09-Jul-19	11.4	55	7.5	932	10.3	15	102	453	722	< 2	385
15-Dec-20	9.3	136	8.1	863	13.5	9	92	384	626	< 2	357
04-Mar-21	7.1	55	7.9	914	11.8	10	106	425	671	2	380
03-Aug-22	16.1	107	7.7	1603	3.1	1	142	898	1400	< 2	862

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well</i> MW-11C											
07-Apr-05	-	< 0.50	< 0.01	< 0.2	12.70	13.50	23	9	< 3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	0.9	0.98	1.65	< 20	< 4	< 3	< 0.005	< 0.01
10-Aug-07	-	< 0.50	< 0.01	0.4	0.59	0.78	< 20	< 4	< 3	< 0.005	< 0.01
19-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	6	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
13-May-10	-	< 0.50	< 0.01	0.1	0.67	1.13	< 20	6	< 3	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.01	0.1	1.91	1.82	34	4	< 3	0.015	< 0.01
12-Oct-12	-	< 0.50	< 0.01	0.2	1.11	0.74	< 20	6	< 3	< 0.050	< 0.01
25-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.05	0.61	< 20	4	< 3	< 0.050	< 0.01
03-Apr-14	< 1	< 0.02	< 0.01	< 1.0	0.57	0.67	7	2	< 1	< 0.005	< 0.01
11-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.60	1.28	< 5	7	1	< 0.005	< 0.01
25-Oct-16	< 1	0.22	< 0.01	< 1.0	0.19	0.62	< 5	2	3	< 0.005	< 0.01
07-Apr-17	< 1	0.26	< 0.01	< 1.0	0.23	0.47	5	< 2	< 1	< 0.005	< 0.01
04-Apr-18	< 1	0.25	< 0.01	< 1.0	0.46	0.58	7	3	< 1	< 0.005	< 0.01
09-Jul-19	< 1	0.25	< 0.01	< 1.0	0.22	0.80	< 5	2	< 1	< 0.005	< 0.01
15-Dec-20	< 1	0.23	< 0.01	< 1.0	0.25	0.40	6	< 2	< 1	< 0.005	< 0.01
04-Mar-21	< 1	0.25	< 0.01	< 1.0	< 0.05	0.48	< 5	< 2	< 1	< 0.005	< 0.01
03-Aug-22	< 1	0.26	< 0.01	< 1.0	0.18	0.31	< 5	< 2	1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05		0.20	0.30
<i>Monitoring Well</i> MW-11C											
07-Apr-05	0.39	< 0.003	0.011	< 0.30	< 0.0050	< 0.0050	52	< 0.0500	-	0.046	0.91
23-May-06	0.12	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	96	< 0.0500	-	< 0.020	0.50
10-Aug-07	0.08	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	87	< 0.0500	-	< 0.024	0.22
19-Nov-08	0.07	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	87	< 0.0500	-	< 0.020	0.12
26-Feb-09	0.09	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	93	< 0.0500	-	< 0.020	0.26
13-May-10	0.36	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	110	< 0.0500	-	< 0.020	0.70
19-Jul-11	0.64	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	110	< 0.0500	-	< 0.020	1.20
12-Oct-12	0.54	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	160	< 0.0500	-	< 0.020	0.66
25-Jan-13	0.54	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	160	< 0.0500	-	< 0.020	0.75
03-Apr-14	0.66	< 0.002	< 0.001	0.07	< 0.0002	< 0.0001	127	< 0.0004	< 0.0002	< 0.003	2.44
11-Aug-15	2.21	< 0.060	< 0.010	0.04	< 0.0030	< 0.0050	250	< 0.0100	< 0.0500	0.203	3.11
25-Oct-16	0.70	< 0.005	< 0.005	0.03	< 0.0001	0.0003	107	0.0013	< 0.0011	0.005	0.51
07-Apr-17	0.70	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	118	0.0016	< 0.0500	0.002	0.41
04-Apr-18	0.33	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	110	< 0.0100	< 0.0500	< 0.020	0.26
09-Jul-19	0.58	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	119	0.0006	< 0.0500	0.027	0.40
15-Dec-20	0.41	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	101	0.0008	< 0.0500	< 0.020	0.36
04-Mar-21	0.42	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	111	0.0016	< 0.0500	< 0.020	0.39
03-Aug-22	0.21	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	228	< 0.0100	< 0.0500	< 0.020	0.21

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-11C												
07-Apr-05	0.002	12	0.04	< 0.00040	< 0.030	25.0	43.0	< 0.005	< 0.0500	< 0.003	-	0.043
23-May-06	0.001	29	< 0.02	< 0.00040	< 0.030	8.7	33.0	< 0.005	< 0.0500	< 0.003	-	0.033
10-Aug-07	< 0.003	26	< 0.02	< 0.00040	< 0.030	7.8	33.0	< 0.005	< 0.0500	< 0.003	-	0.044
19-Nov-08	< 0.003	22	< 0.02	< 0.00040	< 0.030	11.0	36.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
26-Feb-09	< 0.003	29	0.03	< 0.00040	< 0.030	7.0	36.0	< 0.005	< 0.0500	< 0.003	-	0.020
13-May-10	0.001	32	0.03	< 0.00040	< 0.030	7.8	35.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
19-Jul-11	0.005	31	0.04	< 0.00040	< 0.030	8.7	37.0	< 0.005	< 0.0500	< 0.003	-	0.027
12-Oct-12	< 0.005	51	< 0.02	< 0.00040	< 0.030	5.1	37.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
25-Jan-13	< 0.005	52	< 0.02	< 0.00040	< 0.030	3.7	38.0	< 0.025	< 0.0500	< 0.015	-	0.012
03-Apr-14	< 0.001	35	0.28	< 0.00002	< 0.001	7.0	3.3	< 0.002	< 0.0004	< 0.002	0.0008	< 0.005
11-Aug-15	< 0.050	81	0.05	< 0.00020	< 0.040	4.2	36.3	< 0.010	< 0.0100	< 0.010	< 0.0500	0.077
25-Oct-16	< 0.002	33	0.01	< 0.00004	< 0.001	5.4	33.3	< 0.003	< 0.0005	0.004	0.0019	0.006
07-Apr-17	< 0.005	40	0.01	0.00020	0.008	4.3	34.4	< 0.010	< 0.0100	< 0.010	0.0012	0.006
04-Apr-18	< 0.050	35	0.01	< 0.00020	< 0.040	5.2	34.1	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
09-Jul-19	< 0.050	38	0.01	< 0.00020	< 0.040	5.6	35.0	< 0.010	< 0.0100	0.010	< 0.0500	0.020
15-Dec-20	< 0.050	32	0.01	< 0.00020	0.003	5.7	34.4	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
04-Mar-21	< 0.005	36	0.01	< 0.00020	< 0.040	5.5	34.5	< 0.010	< 0.0100	< 0.010	0.0009	0.010
03-Aug-22	< 0.005	80	0.01	< 0.00020	< 0.040	3.2	35.8	< 0.010	< 0.0100	0.009	< 0.0500	< 0.020

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-11C											
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	< 0.05	< 0.015	< 0.050	< 0.3	< 0.005	< 0.005	300	< 0.05	-	< 0.02	< 0.03
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-11C												
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	< 0.005	79	< 0.02	< 0.0004	< 0.03	3.2	39.0	< 0.025	< 0.050	< 0.015	-	< 0.010
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
	ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER	Carbon Disulfide (ug/l)	Acetone (ug/l)	Idomethane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	[50]	5		
Monitoring Well MW-11C	ANALYSIS METHOD				
07-Apr-05	EPA 601/602	-	-	0.0	
23-May-06	EPA 601/602	-	-	0.0	
10-Aug-07	EPA 601/602	-	-	0.0	
19-Nov-08	EPA 601/602	-	-	0.0	
26-Feb-09	EPA 601/602	-	-	0.0	
13-May-10	EPA 601/602	-	-	0.0	
19-Jul-11	EPA 601/602	-	-	0.0	
12-Oct-12	EPA 601/602	-	-	0.0	
25-Jan-13	EPA 601/602	-	-	0.0	
03-Apr-14	EPA 8260	0.5 J	-	0.5	
11-Aug-15	EPA 8260	< 1.0	-	0.0	
25-Oct-16	EPA 8260	0.28 J	1.4 J	1.7	
07-Apr-17	EPA 8260	< 1.0	2.5 J	2.5	
04-Apr-18	EPA 8260	< 1.0	< 5.0	0.0	
09-Jul-19	EPA 8260	< 1.0	3.0 BJ	1.5 BJ	4.5
15-Dec-20	EPA 8260	< 1.0	< 5.0	< 5.0	0.0
04-Mar-21	EPA 8260	< 1.0	< 5.0	< 5.0	0.0
03-Aug-22	EPA 8260	< 1.0	< 5.0	< 5.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-18AA</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	11.9	-88	8.0	1944	65.0	-	140	1100	1910	4	2320
05-Aug-04	13.4	-65	7.8	1910	30.8	5	130	950	1780	2	13
05-Nov-04	3.9	-27	7.5	1647	7.2	-	220	1100	1850	8	2970
07-Apr-05	12.1	-55	7.7	1495	11.8	20	120	940	1620	5	1220
23-May-06	53.4	-80	8.0	1816	15.6	16	150	1100	1980	4	981
09-Aug-07	21.3	-76	7.4	517	38.1	100	110	1300	2000	5	1340
18-Nov-08	7.0	-45	7.8	1675	17.2	15	120	1400	1850	5	1360
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	11.5	236	6.4	777	2.8	18	91	1400	2100	4	1140
14-Jul-11	21.7	-46	7.8	2028	11.5	25	120	1300	2200	4	2030
16-Oct-12	12.0	19	7.0	2085	26.1	< 2	220	1300	1900	29	450
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	10.8	-124	7.2	2100	3.9	33	207	1340	1830	30	1170
12-Aug-15	13.3	-114	7.1	2100	3.3	20	221	1330	1970	35	1220
25-Oct-16	9.8	-77	7.5	2000	14.1	18	123	1250	1810	4	1120
07-Apr-17	3.9	-67	7.6	1920	32.1	17	120	1430	1810	4	1190
05-Apr-18	0.4	-39	7.6	1926	2.3	80	120	1250	1760	4	1080
10-Jul-19	19.5	-30	7.3	1953	5.7	27	112	1300	1760	5	1110
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
04-Mar-21	7.3	8	7.0	1950	42.5	11	131	1300	1730	5	1160
04-Aug-22	18.9	-127	7.4	1968	12.7	4	126	1260	1760	5	1090

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-18AA</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	< 0.2	< 0.10	-	27	-	7	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	1.48	< 20	< 4	< 3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	35	6	< 3	< 0.005	< 0.01
09-Aug-07	-	< 0.50	< 0.01	< 2.0	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	0.50	< 20	< 4	< 3	< 0.005	< 0.01
16-Oct-12	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	33	< 4	< 3	< 0.050	< 0.01
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	< 1	0.12	< 0.01	< 1.0	< 0.08	2.04	45	3	3	< 0.005	< 0.01
12-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.07	1.46	16	2	4	< 0.005	< 0.01
25-Oct-16	< 1	0.21	< 0.01	< 1.0	0.12	< 0.20	< 5	< 2	1	< 0.005	< 0.01
07-Apr-17	< 1	0.22	< 0.01	< 1.0	0.14	0.36	< 5	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.22	< 0.01	< 1.0	< 0.05	0.21	< 5	< 2	< 1	< 0.005	< 0.01
10-Jul-19	< 1	0.24	< 0.01	< 1.0	0.09	0.20	< 5	< 2	< 1	< 0.005	< 0.01
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
04-Mar-21	< 1	0.23	< 0.01	< 1.0	0.17	0.24	< 5	< 2	< 1	< 0.005	< 0.01
04-Aug-22	< 1	0.22	< 0.01	< 1.0	0.16	0.20	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-18AA</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	< 0.0050	320	-	-	-	1.30
05-Aug-04	0.29	< 0.003	0.020	< 0.30	< 0.0050	< 0.0050	290	< 0.050	-	0.14	1.10
05-Nov-04	-	-	-	-	-	< 0.0050	310	-	-	-	2.30
07-Apr-05	0.47	< 0.003	0.022	< 0.30	< 0.0050	< 0.0050	280	< 0.050	-	0.15	1.90
23-May-06	0.30	< 0.003	0.016	< 0.30	< 0.0050	< 0.0050	310	< 0.050	-	< 0.02	1.60
09-Aug-07	0.16	< 0.003	0.012	< 0.30	< 0.0050	< 0.0050	400	< 0.050	-	< 0.02	1.60
18-Nov-08	5.60	< 0.003	0.039	< 0.30	< 0.0050	< 0.0050	400	< 0.050	-	< 0.02	12.00
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	1.60	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	420	< 0.050	-	< 0.02	2.60
14-Jul-11	0.11	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	390	< 0.050	-	< 0.02	2.20
16-Oct-12	0.26	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	420	< 0.050	-	< 0.02	0.36
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	0.81	< 0.002	< 0.001	< 0.02	< 0.0002	< 0.0004	418	< 0.004	< 0.0002	< 0.03	3.49
12-Aug-15	0.24	< 0.060	< 0.010	< 0.02	< 0.0030	< 0.0050	415	< 0.010	< 0.0500	< 0.02	2.57
25-Oct-16	3.14	< 0.005	0.017	0.02	< 0.0001	< 0.0002	365	0.004	0.0024	0.003	3.62
07-Apr-17	0.33	< 0.060	0.054	0.01	< 0.0030	< 0.0050	434	0.009	0.0013	0.002	4.24
05-Apr-18	0.07	< 0.060	0.037	0.01	< 0.0030	< 0.0050	361	< 0.010	< 0.0500	< 0.020	2.80
10-Jul-19	6.97	< 0.060	0.018	0.04	0.0002	< 0.0050	363	0.007	0.0031	< 0.020	6.26
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
04-Mar-21	3.24	< 0.060	0.045	0.03	< 0.0030	< 0.0050	372	0.005	0.0024	< 0.020	6.26
04-Aug-22	0.86	< 0.060	0.052	0.01	< 0.0030	< 0.0050	362	< 0.010	< 0.0500	< 0.020	4.44

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-18AA</i>												
05-Feb-04	WELL FROZEN		-	-	-	-	-	-	-	-	-	-
07-May-04	< 0.001	72	0.11	-	-	2.5	17.0	-	-	-	-	-
05-Aug-04	< 0.001	57	0.20	< 0.00040	0.049	2.2	15.0	0.016	< 0.0500	< 0.0030	-	0.033
05-Nov-04	< 0.001	68	0.17	-	-	2.7	14.0	-	-	-	-	-
07-Apr-05	< 0.001	59	0.12	< 0.00040	0.035	2.7	14.0	0.021	< 0.0500	< 0.0030	-	0.029
23-May-06	< 0.001	68	0.11	< 0.00040	< 0.030	1.7	12.0	< 0.005	< 0.0500	< 0.0030	-	< 0.010
09-Aug-07	0.044	83	0.15	< 0.00040	< 0.030	1.5	16.0	< 0.005	< 0.0050	< 0.0030	-	0.220
18-Nov-08	0.004	89	0.30	< 0.00040	< 0.030	4.1	18.0	< 0.005	< 0.0500	< 0.0030	-	0.037
19-Feb-09	WELL FROZEN		-	-	-	-	-	-	-	-	-	-
11-May-10	< 0.001	93	0.16	< 0.00040	< 0.030	3.0	19.0	< 0.005	< 0.0500	< 0.0030	-	0.038
14-Jul-11	< 0.001	84	0.26	< 0.00040	< 0.030	2.1	20.0	< 0.005	< 0.0500	< 0.0030	-	0.013
16-Oct-12	< 0.001	67	0.02	< 0.00040	< 0.030	2.3	14.0	< 0.025	< 0.0500	< 0.0150	-	< 0.010
22-Jan-13	WELL FROZEN		-	-	-	-	-	-	-	-	-	-
03-Apr-14	< 0.001	73	0.02	< 0.00002	< 0.002	1.7	14.7	0.004	< 0.0004	< 0.0018	0.0003	0.017
12-Aug-15	< 0.050	71	0.02	< 0.00020	< 0.040	< 2.0	15.7	< 0.010	< 0.0100	< 0.0100	< 0.0500	< 0.020
25-Oct-16	< 0.002	83	0.17	< 0.00004	< 0.001	3.4	19.4	< 0.003	< 0.0005	0.0064	0.0053	0.021
07-Apr-17	< 0.005	84	0.11	< 0.00020	0.010	2.1	20.6	< 0.010	< 0.0100	0.0112	< 0.0500	0.006
05-Apr-18	< 0.050	85	0.11	< 0.00020	< 0.040	2.2	20.9	< 0.010	< 0.0100	< 0.0100	< 0.0500	< 0.020
10-Jul-19	< 0.050	94	0.20	< 0.00020	< 0.040	5.6	20.7	< 0.010	< 0.0100	0.0188	0.0088	0.012
15-Dec-20	WELL FROZEN		-	-	-	-	-	-	-	-	-	-
04-Mar-21	< 0.005	90	0.18	< 0.00020	< 0.040	3.3	19.6	< 0.010	< 0.0100	0.0173	0.0046	0.012
04-Aug-22	< 0.005	86	0.15	< 0.00020	< 0.040	2.3	18.7	< 0.010	< 0.0100	< 0.0100	< 0.0500	0.013

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-18AA											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-18AA												
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1			
ORGANIC PARAMETERS (DETECTED)			
GROUNDWATER	Carbon Disulfide (ug/l)	Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[50]	
<i>Monitoring Well MW-18AA</i>	ANALYSIS METHOD		
05-Feb-04	WELL FROZEN	-	-
07-May-04	-	-	-
05-Aug-04	EPA 601/602	-	0.0
05-Nov-04	-	-	-
07-Apr-05	EPA 601/602	-	0.0
23-May-06	EPA 601/602	-	0.0
09-Aug-07	EPA 601/603	-	0.0
18-Nov-08	EPA 601/602	-	0.0
19-Feb-09	WELL FROZEN	-	-
11-May-10	EPA 601/602	-	0.0
14-Jul-11	EPA 601/602	-	0.0
16-Oct-12	EPA 601/602	-	0.0
22-Jan-13	WELL FROZEN	-	-
03-Apr-14	EPA 8260	1.2	1.2
12-Aug-15	EPA 8260	< 1.0	1.0
25-Oct-16	EPA 8260	0.42 J	2.6
07-Apr-17	EPA 8260	< 1.0	2.9
05-Apr-18	EPA 8260	0.71 J	0.7
10-Jul-19	EPA 8260	< 1.0	3.9
15-Dec-20	WELL FROZEN	-	-
04-Mar-21	EPA 8260	< 1.0	0.0
04-Aug-22	EPA 8260	< 1.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well</i> MW-18CC											
05-Feb-04	8.0	-64	7.9	1379	90.0	-	220	890	1900	31	1300
07-May-04	11.8	-85	8.0	2160	45.0	-	< 10	1200	1940	36	1320
05-Aug-04	11.6	-71	8.0	2100	20.0	5	230	1200	1940	41	51
05-Nov-04	4.9	-36	7.6	1750	24.6	-	340	1200	1830	33	1570
07-Apr-05	11.4	-40	7.5	1613	0.7	10	250	1000	1830	37	1230
23-May-06	53.2	-80	8.1	2100	6.1	14	210	1100	2130	38	997
09-Aug-07	17.7	-69	7.2	773	12.8	< 5	200	1400	2080	35	1280
18-Nov-08	8.7	-44	7.8	1653	4.2	12	200	1400	1830	26	1150
20-Feb-09	6.1	-86	8.6	1346	5.3	8	210	1300	1920	27	1580
11-May-10	11.3	258	6.0	776	7.2	30	200	1600	2000	29	1320
14-Jul-11	19.4	-150	7.5	2285	50.0	6	210	1400	2100	48	1820
16-Oct-12	12.3	25	7.1	1991	42.6	< 2	130	1300	1900	4	1250
23-Jan-13	10.3	70	7.1	2126	57.0	< 5	220	1400	2100	33	1010
02-Apr-14	6.4	-92	7.5	2000	4.8	17	124	1260	1820	4	1210
12-Aug-15	12.6	-103	7.4	1950	69.3	11	125	1340	1890	4	1230
25-Oct-16	9.7	-116	7.2	2200	3.4	10	214	1340	1880	29	1090
07-Apr-17	8.3	-100	7.4	1960	16.3	10	215	1360	1900	32	1140
05-Apr-18	5.6	-94	7.2	2119	3.0	13	201	1380	1910	31	1070
10-Jul-19	12.7	-186	6.9	2118	0.8	35	200	1350	1880	32	1060
16-Dec-20	10.3	-157	7.3	2042	1.0	9	197	1430	1780	29	1100
04-Mar-21	9.2	-130	7.2	2085	3.1	13	223	1400	1820	27	1100
04-Aug-22	13.9	-135	7.2	2281	1.4	5	223	1380	1830	31	1090

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well</i> MW-18CC											
05-Feb-04	-	-	-	< 0.2	0.90	-	60	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	< 0.10	-	46	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	67	9	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	13.20	-	39	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	5.76	< 20	6	< 3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	39	7	< 3	< 0.005	< 0.01
09-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	0.008	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
20-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	5	< 3	< 0.005	< 0.01
11-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 8	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	0.61	32	7	< 3	< 0.005	< 0.01
16-Oct-12	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
23-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	6	< 3	0.190	< 0.01
02-Apr-14	< 1	0.17	< 0.01	< 1.0	0.13	< 0.20	< 5	< 2	1	< 0.005	< 0.01
12-Aug-15	< 1	0.24	< 0.01	< 1.0	0.16	0.35	< 5	< 2	< 1	< 0.005	< 0.01
25-Oct-16	< 1	0.14	< 0.01	< 1.0	0.06	0.26	16	3	3	< 0.005	< 0.01
07-Apr-17	< 1	0.15	< 0.01	< 1.0	0.08	0.27	13	4	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.16	< 0.01	< 1.0	< 0.05	0.33	10	4	1	< 0.005	< 0.01
10-Jul-19	< 1	0.16	< 0.01	< 1.0	0.07	0.37	9	3	< 1	< 0.005	< 0.01
16-Dec-20	< 1	0.14	< 0.01	< 1.0	0.08	0.48	10	4	1	< 0.005	< 0.01
04-Mar-21	< 1	0.15	< 0.01	< 1.0	0.09	< 0.20	< 5	< 2	1	< 0.005	< 0.01
04-Aug-22	< 1	0.14	< 0.01	< 1.0	0.07	0.26	< 5	< 2	1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-18CC</i>											
05-Feb-04	-	-	-	-	-	< 0.005	280	-	-	-	1.40
07-May-04	-	-	-	-	-	< 0.005	370	-	-	-	10.00
05-Aug-04	0.09	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.005	380	< 0.0500	-	0.120	0.17
05-Nov-04	-	-	-	-	-	0.006	370	-	-	-	10.00
07-Apr-05	0.13	< 0.003	0.014	< 0.30	< 0.0050	< 0.005	320	< 0.0500	-	0.140	0.37
23-May-06	0.39	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.005	360	< 0.0500	-	< 0.020	1.10
09-Aug-07	0.06	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.005	450	< 0.0500	-	< 0.020	0.14
18-Nov-08	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.005	460	< 0.0500	-	< 0.020	0.13
20-Feb-09	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.005	410	< 0.0500	-	< 0.020	0.15
11-May-10	0.53	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.005	500	< 0.0500	-	< 0.020	3.10
14-Jul-11	0.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.005	460	< 0.0500	-	< 0.020	0.17
16-Oct-12	0.22	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.005	370	< 0.0500	-	< 0.020	2.10
23-Jan-13	< 0.05	< 0.003	< 0.050	< 0.30	< 0.0050	< 0.005	460	< 0.0500	-	< 0.020	0.09
02-Apr-14	1.37	< 0.002	0.021	0.02	0.0002	< 0.004	367	< 0.0004	< 0.0002	0.003	3.13
12-Aug-15	9.25	< 0.060	0.023	0.04	< 0.0030	< 0.005	386	0.0100	< 0.0500	< 0.020	9.04
25-Oct-16	0.30	< 0.005	< 0.005	0.01	< 0.0001	< 0.0002	425	0.0003	< 0.0011	0.002	1.91
07-Apr-17	0.40	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	420	< 0.0100	< 0.0500	0.001	0.69
05-Apr-18	0.58	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	425	< 0.0100	< 0.0500	< 0.020	2.72
10-Jul-19	0.30	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	413	0.0006	< 0.0500	< 0.020	2.30
16-Dec-20	0.16	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	455	< 0.0010	< 0.0500	< 0.020	0.76
04-Mar-21	0.05	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	431	< 0.0100	< 0.0500	< 0.020	0.26
04-Aug-22	0.31	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	436	< 0.0100	< 0.0500	< 0.020	0.51

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-18CC												
05-Feb-04	< 0.001	47	< 0.02	-	-	2.1	13.0	-	-	-	-	-
07-May-04	< 0.001	64	0.03	-	-	3.1	20.0	-	-	-	-	-
05-Aug-04	< 0.001	59	< 0.02	< 0.00040	0.033	3.0	20.0	0.014	< 0.0500	< 0.0030	-	0.033
05-Nov-04	< 0.001	59	0.03	-	-	2.8	16.0	-	-	-	-	-
07-Apr-05	< 0.001	53	< 0.02	< 0.00040	0.030	2.7	18.0	0.020	< 0.0500	< 0.0030	-	0.025
23-May-06	< 0.001	57	0.02	< 0.00040	< 0.030	1.8	16.0	< 0.005	< 0.0500	< 0.0030	-	0.041
09-Aug-07	0.034	69	< 0.02	< 0.00040	< 0.030	1.6	15.0	< 0.005	< 0.0500	< 0.0030	-	0.160
18-Nov-08	< 0.003	74	0.03	< 0.00040	< 0.033	1.9	15.0	< 0.005	< 0.0500	< 0.0030	-	0.014
20-Feb-09	< 0.003	71	< 0.02	< 0.00040	< 0.033	1.9	15.0	< 0.005	< 0.0500	< 0.0030	-	0.014
11-May-10	< 0.001	82	0.02	< 0.00040	< 0.033	2.7	18.0	< 0.005	< 0.0500	< 0.0030	-	0.044
14-Jul-11	< 0.001	74	0.02	< 0.00040	< 0.033	2.2	27.0	< 0.005	< 0.0500	< 0.0030	-	< 0.010
16-Oct-12	< 0.005	82	0.16	< 0.00040	< 0.033	2.2	18.0	< 0.025	< 0.0500	< 0.0150	-	< 0.010
23-Jan-13	< 0.005	74	< 0.02	< 0.00040	< 0.033	2.1	17.0	< 0.025	< 0.0500	< 0.0150	-	< 0.010
02-Apr-14	< 0.001	84	0.12	< 0.00002	< 0.002	2.1	18.2	0.003	< 0.0004	< 0.0018	0.002	< 0.005
12-Aug-15	< 0.050	91	0.27	< 0.00020	< 0.040	5.0	18.9	< 0.010	< 0.0100	< 0.0100	< 0.050	0.021
25-Oct-16	< 0.002	68	0.02	< 0.00004	< 0.001	1.7	13.7	< 0.003	< 0.0005	0.0103	< 0.001	0.009
07-Apr-17	< 0.005	77	0.02	< 0.00020	0.005	1.9	17.7	< 0.010	< 0.0100	0.0077	< 0.050	0.007
05-Apr-18	< 0.050	78	0.02	< 0.00020	< 0.040	2.3	18.2	< 0.010	< 0.0100	0.0078	< 0.050	0.015
10-Jul-19	< 0.050	78	0.02	< 0.00020	< 0.040	2.0	17.7	< 0.010	< 0.0100	0.0195	< 0.050	0.012
16-Dec-20	< 0.050	71	0.02	< 0.00020	< 0.040	1.7	13.5	< 0.010	< 0.0100	0.0121	< 0.050	< 0.020
04-Mar-21	< 0.050	78	0.02	< 0.00020	< 0.040	1.7	14.4	< 0.010	< 0.0100	0.0158	< 0.050	< 0.020
04-Aug-22	< 0.050	70	0.01	< 0.00020	< 0.040	1.6	14.0	< 0.010	< 0.0100	0.0090	< 0.050	0.014

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-18CC											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	< 0.10	< 0.060	0.014	< 0.02	< 0.0030	< 0.005	346	< 0.0100	< 0.0500	< 0.020	1.62
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-18CC												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	< 0.050	78	0.10	< 0.00020	< 0.040	< 2.0	18.6	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
	ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER		Toluene (ug/l)	Acetone (ug/l)	Carbon Disulfide (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	-	
Monitoring Well MW-18CC	ANALYSIS METHOD				
05-Feb-04	-	-	-	-	-
07-May-04	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	0.0
05-Nov-04	-	-	-	-	-
07-Apr-05	EPA 601/602	2.0	-	-	2.0
23-May-06	EPA 601/602	< 1.0	-	-	0.0
09-Aug-07	EPA 601/603	< 1.0	-	-	0.0
18-Nov-08	EPA 601/602	< 1.0	-	-	0.0
20-Feb-09	EPA 601/602	< 1.0	-	-	0.0
11-May-10	EPA 601/602	< 1.0	-	-	0.0
14-Jul-11	EPA 601/602	< 1.0	-	-	0.0
16-Oct-12	EPA 601/602	< 1.0	-	-	0.0
23-Jan-13	EPA 8260	< 1.0	-	-	0.0
02-Apr-14	EPA 8260	< 1.0	-	-	0.0
12-Aug-15	EPA 8260	< 1.0	-	-	0.0
25-Oct-16	EPA 8260	< 1.0	1.8 J	0.37 J	2.2
07-Apr-17	EPA 8260	< 1.0	< 5.0	< 1.0	0.0
05-Apr-18	EPA 8260	< 1.0	< 5.0	0.37 J	0.4
10-Jul-19	EPA 8260	< 1.0	3.1 BJ	0.89 J	4.0
16-Dec-20	EPA 8260	< 1.0	< 10.0	< 1.0	0.0
04-Mar-21	EPA 8260	< 1.0	< 5.0	< 1.0	0.0
04-Aug-22	EPA 8260	< 1.0	< 5.0	1.6	1.6

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-19AA</i>											
05-Feb-04	4.1	-63	7.9	1777	16.0	-	99	1000	2000	3	1200
07-May-04	10.4	-72	7.8	1963	15.0	-	110	1000	1850	2	1370
05-Aug-04	14.1	-79	8.1	1930	24.0	5	89	1000	1810	3	3550
05-Nov-04	5.3	-48	7.9	1631	26.6	-	230	920	1720	8	2440
07-Apr-05	8.9	-60	7.8	1458	9.0	15	100	1100	1660	2	2070
25-May-06	61.0	30	8.1	1904	8.8	7	100	980	1960	3	1000
09-Aug-07	23.7	-70	7.2	846	30.4	220	93	1300	1810	3	1330
18-Nov-08	10.0	-42	7.8	1664	20.6	10	87	1300	1850	3	1200
20-Feb-09	4.0	-78	8.4	1398	5.6	12	87	1200	1820	2	1470
11-May-10	12.6	222	6.6	738	0.7	10	73	1400	1900	3	1360
14-Jul-11	24.9	-27	8.0	2041	10.8	8	80	1200	1900	2	1410
17-Oct-12	16.1	154	7.7	2018	157.0	< 2	98	1400	1900	3	994
23-Jan-13	8.6	159	8.0	1973	31.8	< 5	95	1300	1900	3	166
02-Apr-14	10.1	-50	7.5	2000	43.9	11	91	1250	1690	2	1270
12-Aug-15	20.8	-29	7.4	1970	16.8	12	90	1270	1900	2	1270
25-Oct-16	13.8	-73	7.6	2200	9.8	15	89	1270	1850	3	1200
06-Apr-17	8.2	-24	7.6	2100	8.4	12	89	1260	1790	3	1270
05-Apr-18	7.0	-6	7.5	1940	12.1	16	90	1290	1790	2	1120
10-Jul-19	22.9	-2	7.4	2005	6.1	22	85	1270	1810	2	52
16-Dec-20	10.8	37	7.5	1974	13.9	11	82	1290	1700	2	1190
03-Mar-21	7.5	-2	7.6	2007	12.6	9	92	1310	1760	2	1190
04-Aug-22	24.2	-37	7.5	2023	11.3	4	89	1280	1810	3	1170

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well</i> MW-19AA											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	0.63	-	< 20	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	1.5	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	0.6	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	6	< 3	0.006	< 0.01
09-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	6	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
20-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
11-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	0.62	< 20	< 4	< 3	< 0.005	< 0.01
17-Oct-12	-	< 0.50	< 0.01	0.4	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
23-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
02-Apr-14	< 1	0.17	< 0.01	< 1.0	0.24	0.22	< 5	< 2	< 1	< 0.005	< 0.01
12-Aug-15	< 1	0.23	< 0.01	< 1.0	0.24	0.37	6	< 2	< 1	< 0.005	< 0.01
25-Oct-16	< 1	0.21	< 0.01	< 1.0	0.23	0.33	9	< 2	2	< 0.005	< 0.01
06-Apr-17	< 1	0.22	< 0.01	< 1.0	0.26	0.34	10	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.23	< 0.01	< 1.0	0.21	0.31	< 5	< 2	< 1	< 0.005	< 0.01
10-Jul-19	< 1	0.24	< 0.01	< 1.0	0.19	0.38	< 5	< 2	2	< 0.005	< 0.01
16-Dec-20	< 1	0.21	< 0.01	< 1.0	0.30	0.37	8	< 2	< 1	< 0.005	< 0.01
03-Mar-21	< 1	0.22	< 0.01	< 1.0	0.29	0.36	< 5	< 2	< 1	< 0.005	< 0.01
04-Aug-22	< 1	0.22	< 0.01	< 1.0	0.31	0.38	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-19AA											
05-Feb-04	-	-	-	-	-	< 0.0050	270	-	-	-	0.84
07-May-04	-	-	-	-	-	< 0.0050	260	-	-	-	0.89
05-Aug-04	0.28	< 0.003	0.021	< 0.30	< 0.0050	< 0.0050	260	< 0.0050	-	0.070	1.10
05-Nov-04	-	-	-	-	-	< 0.0050	230	-	-	-	1.00
07-Apr-05	0.46	< 0.003	0.028	< 0.30	< 0.0050	< 0.0050	290	< 0.0500	-	0.099	2.30
25-May-06	0.06	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	260	< 0.0500	-	< 0.020	0.49
09-Aug-07	0.09	< 0.003	0.036	< 0.30	< 0.0050	< 0.0050	350	< 0.0500	-	0.031	1.80
18-Nov-08	0.19	< 0.003	0.012	< 0.30	< 0.0050	< 0.0050	340	< 0.0500	-	< 0.020	0.81
20-Feb-09	0.09	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	300	< 0.0500	-	< 0.020	0.64
11-May-10	0.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	360	< 0.0500	-	< 0.020	0.80
14-Jul-11	0.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	330	< 0.0500	-	< 0.020	0.66
17-Oct-12	1.10	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	350	< 0.0500	-	< 0.020	2.50
23-Jan-13	0.59	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	340	< 0.0500	-	< 0.020	1.30
02-Apr-14	3.01	< 0.002	0.019	0.02	0.0003	< 0.0004	323	< 0.0004	< 0.0002	0.004	3.44
12-Aug-15	1.31	< 0.060	0.017	< 0.02	< 0.0030	< 0.0050	334	< 0.0100	< 0.0500	< 0.020	3.12
25-Oct-16	1.23	< 0.005	0.011	0.01	< 0.0001	< 0.0002	334	0.0014	< 0.0011	0.001	1.34
06-Apr-17	0.52	< 0.060	0.014	0.01	< 0.0030	< 0.0050	329	0.0007	< 0.0500	0.001	0.86
05-Apr-18	0.13	< 0.060	0.014	0.01	< 0.0030	< 0.0050	333	< 0.0100	< 0.0500	< 0.020	0.41
10-Jul-19	0.25	< 0.060	0.008	0.01	< 0.0030	< 0.0050	323	< 0.0100	< 0.0500	< 0.020	0.64
16-Dec-20	0.20	< 0.060	0.009	< 0.01	< 0.0030	< 0.0050	341	< 0.0100	< 0.0500	< 0.020	0.59
03-Mar-21	0.35	< 0.060	0.011	0.01	< 0.0030	< 0.0050	340	0.0025	0.0009	< 0.020	0.91
04-Aug-22	0.47	< 0.060	0.008	0.01	< 0.0030	< 0.0050	334	< 0.0100	< 0.0500	< 0.020	0.84

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-19AA												
05-Feb-04	0.002	86	0.10	-	-	2.6	26.0	-	-	-	-	-
07-May-04	< 0.001	87	0.09	-	-	2.6	31.0	-	-	-	-	-
05-Aug-04	< 0.001	84	0.08	< 0.00040	0.045	3.0	24.0	0.018	< 0.050	< 0.0030	-	0.035
05-Nov-04	< 0.001	82	0.08	-	-	2.9	23.0	-	-	-	-	-
07-Apr-05	< 0.001	97	0.11	< 0.00040	0.041	3.3	29.0	< 0.005	< 0.050	< 0.0030	-	0.037
25-May-06	< 0.001	81	0.07	< 0.00040	< 0.030	1.7	23.0	< 0.005	< 0.050	0.0070	-	0.015
09-Aug-07	0.003	110	0.11	< 0.00040	< 0.030	2.3	32.0	< 0.005	< 0.050	< 0.0030	-	0.045
18-Nov-08	< 0.003	110	0.12	< 0.00040	< 0.030	2.7	32.0	< 0.005	< 0.050	< 0.0030	-	< 0.010
20-Feb-09	< 0.003	99	0.16	< 0.00040	< 0.030	1.9	31.0	< 0.005	< 0.050	< 0.0030	-	0.022
11-May-10	< 0.001	110	0.11	< 0.00040	< 0.030	2.4	33.0	< 0.005	< 0.050	< 0.0030	-	0.023
14-Jul-11	< 0.001	99	0.14	< 0.00040	< 0.030	2.1	33.0	< 0.005	< 0.050	< 0.0030	-	< 0.010
17-Oct-12	< 0.005	110	0.17	< 0.00040	< 0.030	3.1	34.0	< 0.025	< 0.050	< 0.0150	-	< 0.010
23-Jan-13	< 0.005	85	0.12	< 0.00040	< 0.030	2.4	31.0	< 0.025	< 0.050	< 0.0150	-	0.013
02-Apr-14	< 0.001	107	0.16	< 0.00002	0.002	2.9	29.4	0.004	< 0.0004	< 0.0018	0.004	0.015
12-Aug-15	< 0.050	105	0.19	< 0.00020	< 0.040	2.3	30.2	< 0.010	< 0.010	< 0.0100	< 0.050	0.022
25-Oct-16	< 0.002	105	0.15	< 0.00004	< 0.001	2.4	31.6	< 0.003	< 0.0005	0.0091	0.002	0.005
06-Apr-17	< 0.005	107	0.14	< 0.00020	0.008	2.1	31.6	< 0.010	< 0.0100	0.0070	< 0.050	0.014
05-Apr-18	< 0.050	110	0.14	< 0.00020	< 0.040	2.1	33.4	< 0.010	< 0.0100	0.0069	< 0.050	0.060
10-Jul-19	< 0.050	113	0.11	< 0.00020	< 0.040	2.3	33.0	< 0.010	< 0.0100	0.0193	< 0.050	0.016
16-Dec-20	< 0.050	106	0.12	< 0.00020	< 0.040	1.8	29.6	< 0.010	< 0.0100	0.0098	< 0.050	0.011
03-Mar-21	< 0.050	111	0.11	< 0.00020	< 0.040	1.9	30.4	< 0.010	< 0.0100	< 0.0100	< 0.050	0.010
04-Aug-22	< 0.050	107	0.11	< 0.00020	< 0.040	2.0	31.1	< 0.010	< 0.0100	0.0090	< 0.050	0.006

[illegible]

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-19AA												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
17-Oct-12	< 0.005	150	0.1	< 0.0004	< 0.03	2.3	36	< 0.025	< 0.05	< 0.015	-	0.03
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
	ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER		Toluene (ug/l)	Acetone (ug/l)	Carbon Disulfide (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	-	
Monitoring Well MW-19AA	ANALYSIS METHOD				
05-Feb-04	-	-	-	-	-
07-May-04	-	-	-	-	-
05-Aug-04	EPA 601/602	2.0	-	-	2.0
05-Nov-04	-	-	-	-	-
07-Apr-05	EPA 601/602	1.0	-	-	1.0
25-May-06	EPA 601/602	<1.0	-	-	0.0
09-Aug-07	EPA 601/603	<1.0	-	-	0.0
18-Nov-08	EPA 601/602	<1.0	-	-	0.0
20-Feb-09	EPA 601/602	<1.0	-	-	0.0
11-May-10	EPA 601/602	<1.0	-	-	0.0
14-Jul-11	EPA 601/602	<1.0	-	-	0.0
17-Oct-12	EPA 601/602	<1.0	-	-	0.0
23-Jan-13	EPA 8260	<1.0	-	-	0.0
02-Apr-14	EPA 8260	<1.0	1.4 J	0.6 J	2.0
12-Aug-15	EPA 8260	<1.0	<5.0	<1.0	0.0
25-Oct-16	EPA 8260	<1.0	1.9 J	<1.0	1.9
06-Apr-17	EPA 8260	<1.0	2.8 J	<1.0	2.8
05-Apr-18	EPA 8260	<1.0	2.8 J	<1.0	2.8
10-Jul-19	EPA 8260	<1.0	<5.0	<1.0	0.0
16-Dec-20	EPA 8260	<1.0	<5.0	<1.0	0.0
03-Mar-21	EPA 8260	<1.0	<5.0	<1.0	0.0
04-Aug-22	EPA 8260	<1.0	<5.0	<1.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-19CC</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	9.7	-87	8.1	2150	2.5	-	170	1200	2040	4	1660
05-Aug-04	19.1	-88	8.2	2050	9.0	5	140	1200	2080	6	1630
05-Nov-04	3.6	-62	8.1	1761	12.6	-	210	1800	2060	6	1870
07-Apr-05	10.0	-45	7.6	1571	0.7	12	160	1200	1990	7	269
25-May-06	62.4	-60	8.0	967	5.1	6	140	1100	2260	4	1190
09-Aug-07	24.8	-70	7.3	883	4.1	6	140	1500	2040	5	1430
18-Nov-08	7.7	-5	7.9	1769	7.5	8	140	1500	1990	4	1350
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	11.7	245	6.2	725	0.6	10	98	1600	2200	5	1500
14-Jul-11	24.5	-21	7.8	2221	4.2	6	140	1500	2200	4	1720
17-Oct-12	16.2	153	7.6	2235	41.6	< 2	150	1600	2000	4	1670
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
02-Apr-14	6.6	-37	7.3	2100	3.2	7	148	1470	2010	5	1380
12-Aug-15	-	-	-	-	1.0	10	147	1420	2110	4	1410
25-Oct-16	13.6	-91	7.5	2200	1.6	18	146	1440	2070	5	1300
06-Apr-17	9.1	-39	7.4	2300	4.6	20	143	1520	2050	4	1350
05-Apr-18	8.4	-39	7.6	2106	8.0	12	144	1500	2050	5	1250
10-Jul-19	23.7	-121	7.3	2198	1.8	17	134	1480	2070	4	1290
16-Dec-20	6.4	13	7.4	2171	2.7	4	131	1520	1940	5	1340
03-Mar-21	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
04-Aug-22	24.2	-35	7.5	2231	1.8	5	147	1540	2090	5	1270

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-19CC</i>											
05-Feb-04	WELL FROZEN			-	-	-	-	-	-	-	-
07-May-04	-	-	-	< 0.2	0.47	-	< 20	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	11	< 3	< 0.005	< 0.01
09-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
19-Feb-09	WELL FROZEN			-	-	-	-	-	-	-	-
11-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
17-Oct-12	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
22-Jan-13	WELL FROZEN			-	-	-	-	-	-	-	-
02-Apr-14	< 1	0.11	< 0.01	< 1.0	< 0.08	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
12-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.08	0.22	< 5	< 2	< 1	< 0.005	< 0.01
25-Oct-16	< 1	0.12	< 0.01	< 1.0	0.20	0.36	< 5	< 2	3	< 0.005	< 0.01
06-Apr-17	< 1	0.14	< 0.01	< 1.0	0.05	0.24	11	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.14	< 0.01	< 1.0	0.06	< 0.20	6	< 2	< 1	< 0.005	< 0.01
10-Jul-19	< 1	0.14	< 0.01	< 1.0	0.07	< 0.20	< 5	< 2	2	< 0.005	< 0.01
16-Dec-20	< 1	0.13	< 0.01	< 1.0	0.09	< 0.20	6	< 2	< 1	< 0.005	< 0.01
03-Mar-21	WELL FROZEN			-	-	-	-	-	-	-	-
04-Aug-22	< 1	0.14	< 0.01	< 1.0	0.09	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-19CC</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	< 0.005	330	-	-	-	0.19
05-Aug-04	0.21	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	340	< 0.05	-	0.06	1.00
05-Nov-04	-	-	-	-	-	< 0.005	480	-	-	-	2.90
07-Apr-05	0.17	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	340	< 0.05	-	0.07	0.17
25-May-06	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	290	< 0.05	-	< 0.02	0.14
09-Aug-07	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	400	< 0.05	-	< 0.02	0.12
18-Nov-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	420	< 0.05	-	< 0.02	0.05
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	0.10	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	450	< 0.05	-	< 0.02	1.10
14-Jul-11	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	420	< 0.05	-	< 0.02	0.15
17-Oct-12	0.33	< 0.015	< 0.050	< 0.3	< 0.005	< 0.005	430	< 0.05	-	< 0.02	0.69
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
02-Apr-14	0.33	< 0.015	< 0.050	< 0.3	< 0.005	< 0.005	430	< 0.05	-	< 0.02	0.69
12-Aug-15	< 0.10	< 0.060	< 0.010	< 0.02	< 0.003	< 0.005	387	< 0.01	< 0.05	< 0.02	2.60
25-Oct-16	0.04	< 0.005	< 0.005	0.01	< 0.0001	< 0.0002	397	< 0.0003	< 0.001	< 0.001	0.95
06-Apr-17	0.05	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	408	< 0.0100	< 0.050	< 0.020	0.50
05-Apr-18	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	401	< 0.0100	< 0.050	< 0.020	0.15
10-Jul-19	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	387	< 0.0100	< 0.050	< 0.020	0.55
16-Dec-20	0.09	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	411	< 0.0100	< 0.050	< 0.020	0.30
03-Mar-21	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
04-Aug-22	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	420	< 0.0100	< 0.050	< 0.020	1.00

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-19CC												
05-Feb-04	WELL FROZEN											
07-May-04	< 0.001	98	0.02	-	-	2.6	6.9	-	-	-	-	-
05-Aug-04	< 0.001	94	0.03	< 0.00040	0.059	1.7	5.3	0.028	< 0.0500	< 0.0030	-	0.053
05-Nov-04	< 0.001	140	0.04	-	-	3.9	7.5	-	-	-	-	-
07-Apr-05	< 0.001	98	0.02	< 0.00040	0.054	7.7	4.7	0.017	< 0.0500	< 0.0030	-	0.048
25-May-06	< 0.001	82	< 0.02	< 0.00040	< 0.030	1.2	3.3	< 0.005	< 0.0500	0.0070	-	< 0.010
09-Aug-07	< 0.003	110	< 0.02	< 0.00040	< 0.030	1.5	3.8	< 0.005	< 0.0500	0.0030	-	0.025
18-Nov-08	< 0.003	120	0.05	< 0.00040	< 0.030	1.5	4.8	< 0.005	< 0.0500	< 0.0030	-	< 0.010
19-Feb-09	WELL FROZEN											
11-May-10	< 0.001	130	0.03	< 0.00040	< 0.030	1.9	4.8	< 0.005	< 0.0500	< 0.0030	-	0.045
14-Jul-11	< 0.001	110	< 0.02	< 0.00040	< 0.030	2.6	5.9	< 0.005	< 0.0500	< 0.0030	-	< 0.010
17-Oct-12	< 0.005	120	0.04	< 0.00040	< 0.030	2.3	6.0	< 0.025	< 0.0500	< 0.0150	-	< 0.010
22-Jan-13	WELL FROZEN											
02-Apr-14	< 0.001	116	0.02	< 0.00002	< 0.002	1.2	4.4	0.003	< 0.0004	< 0.0018	< 0.0002	< 0.003
12-Aug-15	< 0.050	110	0.03	< 0.00020	< 0.040	< 2.0	4.6	< 0.010	< 0.0100	< 0.0100	< 0.0500	< 0.020
25-Oct-16	< 0.002	108	0.05	< 0.00004	< 0.001	1.7	4.5	< 0.003	< 0.0005	0.0089	< 0.0009	0.002
06-Apr-17	< 0.005	122	0.02	< 0.00020	0.005	1.6	5.2	< 0.010	< 0.0100	0.0052	< 0.0500	0.003
05-Apr-18	< 0.050	122	0.02	< 0.00020	< 0.040	1.6	5.5	< 0.010	< 0.0100	0.0081	< 0.0500	< 0.020
10-Jul-19	< 0.050	124	0.02	< 0.00020	< 0.040	1.6	5.3	< 0.010	< 0.0100	0.0202	< 0.0500	< 0.020
16-Dec-20	< 0.050	119	0.02	< 0.00020	< 0.040	1.5	5.0	< 0.010	< 0.0100	< 0.0100	< 0.0500	< 0.020
03-Mar-21	WELL FROZEN											
04-Aug-22	< 0.050	120	0.05	< 0.00020	< 0.040	1.4	4.9	< 0.010	< 0.0100	0.0090	< 0.0500	0.011

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1	
DISSOLVED METALS	
GROUNDWATER	Al (mg/L) Sb (mg/L) As (mg/L) Ba (mg/L) Be (mg/L) Cd (mg/L) Ca (mg/L) Cr (mg/L) Co (mg/L) Cu (mg/L) Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	- [0.003] 0.025 1.0 [0.003] 0.01 - 0.05 - 0.2 0.3
<i>Monitoring Well</i> MW-19CC 05-Feb-04 07-May-04 05-Aug-04 05-Nov-04 07-Apr-05 25-May-06 09-Aug-07 18-Nov-08 19-Feb-09 11-May-10 14-Jul-11 17-Oct-12 22-Jan-13 02-Apr-14 12-Aug-15 25-Oct-16 06-Apr-17 05-Apr-18 10-Jul-19 16-Dec-20 03-Mar-21 04-Aug-22	WELL FROZEN - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - WELL FROZEN - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - WELL FROZEN - - - - - - - - - - - - - - - - - - - - -

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-19CC												
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
17-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER	Toluene (ug/l)	Carbon Disulfide (ug/l)	Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	5	-	[50]	
<i>Monitoring Well</i> MW-19CC	ANALYSIS METHOD			
05-Feb-04	WELL FROZEN	-	-	-
07-May-04	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	0.0
05-Nov-04	-	-	-	-
07-Apr-05	EPA 601/602	4.0	-	4.0
25-May-06	EPA 601/602	< 1.0	-	0.0
09-Aug-07	EPA 601/602	< 1.0	-	0.0
18-Nov-08	EPA 601/602	< 1.0	-	0.0
19-Feb-09	WELL FROZEN	-	-	-
11-May-10	EPA 601/602	< 1.0	-	0.0
14-Jul-11	EPA 601/602	< 1.0	-	0.0
17-Oct-12	EPA 601/602	< 1.0	-	0.0
22-Jan-13	WELL FROZEN	-	-	-
02-Apr-14	EPA 8260	< 1.0	-	0.0
12-Aug-15	EPA 8260	< 1.0	0.31 J	0.3
25-Oct-16	EPA 8260	< 1.0	0.43 J 1.8 J	2.2
06-Apr-17	EPA 8260	< 1.0	0.65 J 1.6 J	2.3
05-Apr-18	EPA 8260	< 1.0	< 1.00 < 5.0	0.0
10-Jul-19	EPA 8260	< 1.0	0.33 J < 5.0	0.3
16-Dec-20	EPA 8260	< 1.0	< 1.00 < 5.0	0.0
03-Mar-21	WELL FROZEN	-	-	-
04-Aug-22	EPA 8260	< 1.0	< 1.00 < 5.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well</i> MW-20AA											
05-Feb-04	4.5	-51	7.7	1357	120.0	-	130	1200	2300	69	1000
07-May-04	10.9	-71	7.8	2300	24.0	-	160	1400	2200	73	1300
05-Aug-04	14.3	-75	8.0	2290	22.0	5	130	1200	2130	63	1220
05-Nov-04	4.1	-48	7.8	2080	23.6	-	230	1200	2070	65	1730
07-Apr-05	8.7	-50	7.7	1695	6.7	25	150	1300	1890	67	2350
25-May-06	15.9	-80	8.0	2190	10.9	5	130	1300	2330	49	1060
09-Aug-07	22.4	-59	7.0	893	42.0	180	120	1300	2250	61	1410
18-Nov-08	9.1	-43	7.8	1923	37.6	10	110	1500	2030	68	1440
20-Feb-09	3.4	-82	8.6	1517	9.2	21	110	1400	2380	64	1990
11-May-10	11.3	238	6.3	768	1.1	10	96	1600	2400	65	1300
13-Jul-11	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
16-Oct-12	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
22-Jan-13	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
12-Aug-15	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
24-Oct-16	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
06-Apr-17	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Apr-18	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
15-Dec-20	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-20AA</i>											
05-Feb-04	-	-	-	< 0.2	3.30	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	< 0.50	-	< 20	-	3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	3.5	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	9	< 3	< 0.005	< 0.01
09-Aug-07	-	< 0.50	< 0.01	< 0.2	0.96	< 0.50	< 20	< 4	8	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
20-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
11-May-10	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
13-Jul-11	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
16-Oct-12	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
22-Jan-13	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
12-Aug-15	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
24-Oct-16	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
06-Apr-17	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Apr-18	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
15-Dec-20	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-20AA											
05-Feb-04	-	-	-	-	-	< 0.005	340	-	-	-	1.10
07-May-04	-	-	-	-	-	< 0.005	380	-	-	-	1.60
05-Aug-04	0.23	< 0.003	0.014	< 0.3	< 0.005	< 0.005	340	< 0.05	-	0.11	0.89
05-Nov-04	-	-	-	-	-	< 0.005	320	-	-	-	2.60
07-Apr-05	0.52	< 0.003	0.020	< 0.3	< 0.005	< 0.005	360	< 0.05	-	0.08	1.50
25-May-06	0.23	< 0.003	0.012	< 0.3	< 0.005	< 0.005	380	< 0.05	-	< 0.02	1.20
09-Aug-07	0.21	< 0.003	0.039	< 0.3	< 0.005	< 0.005	380	< 0.05	-	0.03	2.10
18-Nov-08	2.40	< 0.003	0.014	< 0.3	< 0.005	< 0.005	430	< 0.05	-	< 0.02	6.00
20-Feb-09	0.14	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	410	< 0.05	-	< 0.02	1.40
11-May-10	0.21	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	450	< 0.05	-	< 0.02	1.10
13-Jul-11	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
16-Oct-12	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
22-Jan-13	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
12-Aug-15	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
24-Oct-16	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
06-Apr-17	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Apr-18	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
15-Dec-20	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-20AA												
05-Feb-04	< 0.001	89	0.12	-	-	4.8	37.0	-	-	-	-	-
07-May-04	< 0.001	100	0.15	-	-	4.3	37.0	-	-	-	-	-
05-Aug-04	< 0.001	88	0.13	< 0.0004	0.05	3.7	32.0	0.022	< 0.050	< 0.003	-	0.039
05-Nov-04	< 0.001	90	0.19	-	-	4.7	31.0	-	-	-	-	-
07-Apr-05	< 0.001	99	0.15	< 0.0004	0.05	4.8	33.0	0.013	< 0.050	< 0.003	-	0.044
25-May-06	< 0.001	94	0.14	< 0.0004	< 0.03	4.3	35.0	< 0.005	< 0.050	0.007	-	< 0.010
09-Aug-07	< 0.003	98	0.14	< 0.0004	< 0.03	3.5	34.0	0.014	< 0.050	< 0.003	-	< 0.280
18-Nov-08	< 0.003	110	0.22	< 0.0004	< 0.03	5.3	40.0	< 0.005	< 0.050	< 0.003	-	0.014
20-Feb-09	< 0.003	100	0.17	< 0.0004	< 0.03	4.4	42.0	< 0.005	< 0.050	< 0.003	-	0.032
11-May-10	< 0.001	110	0.17	< 0.0004	< 0.03	5.1	42.0	< 0.005	< 0.050	< 0.003	-	0.030
13-Jul-11	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
22-Jan-13	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
24-Oct-16	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-20AA											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-
13-Jul-11	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
16-Oct-12	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
22-Jan-13	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
12-Aug-15	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
24-Oct-16	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
06-Apr-17	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
05-Apr-18	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
15-Dec-20	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-20AA												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
13-Jul-11	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
22-Jan-13	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
24-Oct-16	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DAMAGED	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1		
ORGANIC PARAMETERS (DETECTED)		
GROUNDWATER	Toluene (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	5	
<i>Monitoring Well</i> MW-20AA	ANALYSIS METHOD	
05-Feb-04	- -	-
07-May-04	- -	-
05-Aug-04	EPA 601/602 < 1	0
05-Nov-04	- -	-
07-Apr-05	EPA 601/602 6	6
25-May-06	EPA 601/602 < 1	0
09-Aug-07	EPA 601/603 1	0
18-Nov-08	EPA 601/602 < 1	0
20-Feb-09	EPA 601/602 < 1	0
11-May-10	EPA 601/602 < 1	0
13-Jul-11	WELL DAMAGED -	-
16-Oct-12	WELL DAMAGED -	-
22-Jan-13	WELL DAMAGED -	-
02-Apr-14	WELL DAMAGED -	-
12-Aug-15	WELL DAMAGED -	-
24-Oct-16	WELL DAMAGED -	-
06-Apr-17	WELL DAMAGED -	-
05-Apr-18	WELL DAMAGED -	-
10-Jul-19	WELL DAMAGED -	-
15-Dec-20	WELL DAMAGED -	-
03-Mar-21	WELL DAMAGED -	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-20C</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	10.1	-86	8.0	2230	9.5	-	160	1300	2480	2	1850
05-Aug-04	13.9	-93	8.3	2190	3.7	5	130	1300	2280	17	1610
05-Nov-04	3.1	-64	8.1	2060	8.1	-	220	1300	2140	6	1810
07-Apr-05	10.1	-50	7.7	1650	0.5	10	140	1300	2060	3	395
25-May-06	61.0	-60	7.9	2170	10.1	8	140	1400	2290	3	1320
09-Aug-07	24.9	-65	7.2	737	38.7	140	130	1500	2150	5	1510
18-Nov-08	7.3	-51	7.9	1876	15.8	6	130	1800	2190	5	1330
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	10.8	242	6.2	753	0.5	10	120	1800	2200	3	1330
14-Jul-11	25.1	-8	8.1	2348	19.0	8	130	1600	2300	2	2360
17-Oct-12	15.3	154	7.3	2324	213.0	< 2	140	1600	2600	3	1490
22-Jan-13	6.9	212	7.1	2287	26.1	-	-	-	-	-	-
02-Apr-14	6.6	-60	7.4	2200	54.0	12	134	1780	2000	2	1450
12-Aug-15	18.9	-30	7.2	2600	3.8	13	135	1500	2190	2	1530
25-Oct-16	10.5	-72	7.6	2400	6.1	13	134	1580	2140	2	1420
06-Apr-17	7.9	-21	7.4	2400	3.1	12	131	1570	2180	2	1460
05-Apr-18	6.2	-38	7.3	2236	9.2	11	132	1580	2170	3	1360
11-Jul-19	16.5	-157	7.3	2316	33.3	30	124	1650	2230	2	1290
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
04-Aug-22	18.7	-56	7.5	2336	6.8	25	134	1610	2230	2	1340

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-20C</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	< 0.2	1.26	-	< 20	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	0.63	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	5	< 3	0.186	< 0.01
09-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
17-Oct-12	-	< 2.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
02-Apr-14	< 1	0.14	< 0.01	< 0.1	0.14	0.22	16	< 2	< 1	< 0.005	< 0.01
12-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.13	0.25	< 5	< 2	< 1	< 0.005	< 0.01
25-Oct-16	< 1	0.15	< 0.01	< 1.0	0.09	< 0.20	7	< 2	4	< 0.005	< 0.01
06-Apr-17	< 1	0.17	< 0.01	< 1.0	0.09	0.21	< 5	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.17	< 0.01	< 1.0	0.09	< 0.20	5	< 2	< 1	< 0.005	< 0.01
11-Jul-19	< 1	0.17	< 0.01	< 1.0	0.12	0.24	< 5	< 2	1	< 0.005	< 0.01
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
04-Aug-22	< 1	0.16	< 0.01	< 1.0	0.15	0.33	< 5	< 2	1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-20C											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	< 0.0050	330	-	-	-	0.30
05-Aug-04	0.15	< 0.003	< 0.010	< 0.3	< 0.0050	0.0070	340	< 0.05	-	0.07	0.18
05-Nov-04	-	-	-	-	-	< 0.0050	340	-	-	-	0.36
07-Apr-05	0.18	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	330	< 0.05	-	0.10	0.16
25-May-06	2.30	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	370	< 0.05	-	< 0.02	1.60
09-Aug-07	0.23	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	380	< 0.05	-	0.03	0.29
18-Nov-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	450	< 0.05	-	< 0.02	0.19
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	0.11	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	460	< 0.05	-	< 0.02	0.16
14-Jul-11	0.13	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	400	< 0.05	-	< 0.02	5.80
17-Oct-12	3.00	< 0.015	< 0.050	< 1.5	< 0.0250	< 0.0250	410	< 0.25	-	< 0.10	2.00
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
02-Apr-14	8.11	< 0.002	0.003	0.1	0.0005	< 0.0004	448	0.01	0.001	0.01	8.02
12-Aug-15	0.25	< 0.060	< 0.010	< 0.02	< 0.0030	< 0.0050	390	< 0.01	< 0.050	< 0.02	2.34
25-Oct-16	1.41	< 0.005	< 0.005	0.01	< 0.0001	0.0002	411	0.002	< 0.001	0.001	1.01
06-Apr-17	0.11	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	396	< 0.010	< 0.050	< 0.020	0.12
05-Apr-18	0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	399	< 0.010	< 0.050	< 0.020	0.28
11-Jul-19	1.27	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	413	0.002	< 0.050	< 0.020	2.41
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
04-Aug-22	0.07	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	411	< 0.010	< 0.050	< 0.020	0.81

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-20C</i>												
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
07-May-04	< 0.001	110	0.03	-	-	3.3	13.0	-	-	-	-	-
05-Aug-04	< 0.001	110	0.04	< 0.00040	0.07	2.3	11.0	0.050	< 0.0500	< 0.003	-	0.039
05-Nov-04	< 0.001	110	0.03	-	-	3.1	9.9	-	-	-	-	-
07-Apr-05	< 0.001	110	0.03	< 0.00040	0.05	3.9	10.0	0.016	< 0.0500	< 0.003	-	0.032
25-May-06	0.004	120	0.04	< 0.00040	< 0.03	2.2	10.0	< 0.005	< 0.0500	0.007	-	0.080
09-Aug-07	0.005	130	0.03	< 0.00040	< 0.03	1.7	12.0	0.005	< 0.0500	< 0.003	-	0.057
18-Nov-08	< 0.003	150	0.03	< 0.00040	< 0.03	2.1	13.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
11-May-10	< 0.001	150	0.03	< 0.00040	< 0.03	2.6	12.0	< 0.005	< 0.0500	< 0.003	-	0.053
14-Jul-11	< 0.001	150	0.06	< 0.00040	< 0.03	2.1	14.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
17-Oct-12	0.006	140	0.13	< 0.00040	< 0.15	3.5	11.0	< 0.025	< 0.2500	< 0.015	-	0.140
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	0.011	160	0.15	< 0.00002	0.01	5.9	12.7	0.004	< 0.0004	< 0.002	0.014	0.145
12-Aug-15	< 0.050	129	0.04	< 0.00020	< 0.04	< 2.0	11.3	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
25-Oct-16	< 0.002	134	0.04	< 0.00004	< 0.001	2.5	11.1	< 0.003	< 0.0005	0.008	0.003	0.012
06-Apr-17	< 0.005	142	0.03	< 0.00020	0.006	2.1	13.5	< 0.010	< 0.0100	0.009	< 0.050	0.003
05-Apr-18	< 0.050	142	0.03	< 0.00020	< 0.040	2.1	13.6	< 0.010	< 0.0100	0.008	< 0.050	< 0.020
11-Jul-19	< 0.005	150	0.05	< 0.00020	< 0.040	2.6	13.5	< 0.010	< 0.0100	0.018	< 0.050	0.021
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	< 0.005	141	0.03	< 0.00100	< 0.040	1.8	11.4	< 0.010	< 0.0100	0.009	< 0.050	0.005

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well MW-20C</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-
17-Oct-12	0.15	< 0.015	< 0.050	< 0.300	< 0.0050	< 0.0050	450	< 0.0500	-	< 0.020	0.09
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
02-Apr-14	< 0.02	< 0.002	< 0.001	0.008	0.0002	< 0.0004	385	< 0.0004	< 0.0002	< 0.003	0.09
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-20C												
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
17-Oct-12	< 0.005	140	0.02	< 0.00040	< 0.030	2.5	57.0	< 0.025	< 0.0500	< 0.015	-	0.046
22-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	< 0.001	137	0.03	< 0.00002	< 0.002	1.7	11.9	0.004	< 0.0004	< 0.002	< 0.002	0.004
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
	ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER		Toluene (ug/l)	Acetone (ug/l)	Carbon Disulfide (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	-	
Monitoring Well MW-20C	ANALYSIS METHOD				
05-Feb-04	WELL FROZEN	-	-	-	-
07-May-04	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	0.0
05-Nov-04	-	-	-	-	-
07-Apr-05	EPA 601/602	2.0	-	-	2.0
25-May-06	EPA 601/602	< 1.0	-	-	0.0
09-Aug-07	EPA 601/603	< 1.0	-	-	0.0
18-Nov-08	EPA 601/602	< 1.0	-	-	0.0
25-Feb-09	WELL FROZEN	-	-	-	-
11-May-10	EPA 601/602	< 1.0	-	-	0.0
14-Jul-11	EPA 601/602	< 1.0	-	-	0.0
17-Oct-12	EPA 601/602	< 1.0	-	-	0.0
22-Jan-13	EPA 601/602	< 1.0	-	-	0.0
02-Apr-14	EPA 8260	< 1.0	-	-	0.0
12-Aug-15	EPA 8260	< 1.0	-	-	0.0
25-Oct-16	EPA 8260	< 1.0	1.8 J	-	1.8
06-Apr-17	EPA 8260	< 1.0	< 5.0	0.50 J	0.5
05-Apr-18	EPA 8260	< 1.0	< 5.0	< 1.0	0.0
11-Jul-19	EPA 8260	< 1.0	< 5.0	< 1.0	0.0
15-Dec-20	WELL FROZEN	-	-	-	-
03-Mar-21	WELL FROZEN	-	-	-	-
04-Aug-22	EPA 8260	< 1.0	< 5.0	< 1.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-21A</i>											
05-Feb-04	WELL FROZEN		-	-	-	-	-	-	-	-	-
07-May-04	11.6	-88	8.1	2420	190.0	-	150	1500	2560	3	1920
05-Aug-04	13.7	-92	8.3	2540	74.0	5	120	1700	2280	10	1940
05-Nov-04	3.7	-64	8.1	2220	14.4	-	240	1300	2310	5	2370
07-Apr-05	11.1	-55	7.8	1901	73.1	200	160	1600	2280	5	1450
25-May-06	15.8	25	8.0	2510	21.8	6	130	1400	2750	3	1480
09-Aug-07	24.3	-85	7.5	934	105	400	110	1600	2530	4	1650
18-Nov-08	6.8	-51	7.9	233	10.2	18	110	1700	2390	3	1350
19-Feb-09	WELL FROZEN		-	-	-	-	-	-	-	-	-
11-May-10	10.7	235	6.4	882	1.9	10	94	1900	2400	3	1310
14-Jul-11	23.4	-52	7.8	2646	186.0	25	100	1700	2200	2	2170
12-Oct-12	12.5	28	6.9	2468	44.9	< 2	120	1400	2400	3	1130
23-Jan-13	WELL FROZEN		-	-	-	-	-	-	-	-	-
03-Apr-14	5.2	207	7.9	2500	75.3	17	111	1780	2440	3	1560
12-Aug-15	18.4	-53	7.3	2400	115.0	14	119	1630	2450	3	1710
25-Oct-16	10.6	-76	7.5	2600	8.4	22	113	1730	2320	3	1610
06-Apr-17	7.7	-25	7.5	2700	62.6	20	113	1800	2380	3	1650
05-Apr-18	2.7	27	7.4	2440	8.9	85	106	1760	2230	3	1420
09-Jul-19	18.3	44	7.3	2491	20.4	16	105	1790	2420	2	1530
16-Dec-20	5.6	105	7.3	2488	11.0	11	108	1800	2320	3	1630
04-Mar-21	14.6	-35	7.4	2632	29.2	10	123	1890	2490	3	1710
04-Aug-22	21.7	-18	7.5	2538	9.7	4	112	1820	2520	3	1550

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-21A</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	< 0.2	1.11	-	< 20	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	5	< 3	< 0.005	< 0.01
09-Aug-07	-	< 0.50	< 0.02	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
12-Oct-12	-	< 2.50	< 0.01	0.1	< 0.50	< 0.50	23	< 4	< 3	< 0.050	< 0.01
23-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	< 1	0.11	< 0.01	< 1.0	0.13	< 0.20	7	< 2	< 1	< 0.005	< 0.01
12-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.11	0.21	< 5	< 2	< 1	< 0.005	< 0.01
25-Oct-16	< 1	0.14	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	1	< 0.005	< 0.01
06-Apr-17	< 1	0.15	< 0.01	0.2	0.10	< 0.20	9	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.15	< 0.01	< 1.0	0.06	< 0.20	6	< 2	< 1	< 0.005	< 0.01
09-Jul-19	< 1	0.16	< 0.01	< 1.0	0.08	0.39	< 5	< 2	< 1	< 0.005	< 0.01
16-Dec-20	< 1	0.15	< 0.01	< 1.0	0.12	0.20	< 5	< 2	< 1	< 0.005	< 0.01
04-Mar-21	2	0.16	< 0.01	< 1.0	0.13	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
04-Aug-22	< 1	0.14	< 0.01	< 1.0	0.06	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-21A											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	< 0.0050	400	-	-	-	9.40
05-Aug-04	2.20	< 0.003	0.018	< 0.30	< 0.0050	< 0.0050	480	< 0.05	-	0.098	9.60
05-Nov-04	-	-	-	-	-	< 0.0050	350	-	-	-	4.70
07-Apr-05	0.97	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	430	< 0.05	-	0.100	2.00
25-May-06	0.27	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.5000	380	< 0.05	-	< 0.020	0.76
09-Aug-07	0.11	< 0.003	0.010	< 0.30	< 0.0050	< 0.0050	460	< 0.05	-	< 0.020	4.80
18-Nov-08	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	480	< 0.05	-	< 0.020	0.84
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	0.17	< 0.003	0.015	< 0.30	< 0.0050	< 0.0050	530	< 0.05	-	< 0.020	9.60
14-Jul-11	0.37	< 0.003	0.034	< 0.30	< 0.0050	< 0.0050	460	< 0.05	-	< 0.020	29.00
12-Oct-12	0.34	< 0.015	< 0.050	< 1.50	< 0.0250	< 0.0250	400	< 0.25	-	< 0.100	0.65
23-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	7.26	< 0.002	0.007	0.05	< 0.0002	< 0.0001	455	0.01	0.001	0.004	12.50
12-Aug-15	0.16	< 0.060	< 0.010	< 0.02	< 0.0030	< 0.0050	453	< 0.01	< 0.050	< 0.020	3.36
25-Oct-16	0.88	< 0.005	< 0.005	0.01	< 0.0001	< 0.0002	486	0.001	< 0.001	0.001	1.13
06-Apr-17	1.02	< 0.060	0.008	0.01	< 0.0030	0.0004	497	0.002	< 0.050	0.002	11.00
05-Apr-18	0.12	< 0.060	0.007	0.01	< 0.0030	< 0.0050	486	< 0.010	< 0.050	< 0.020	2.40
09-Jul-19	1.48	< 0.060	0.005	0.01	< 0.0030	< 0.0050	491	0.002	< 0.050	< 0.020	22.30
16-Dec-20	0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	502	< 0.010	< 0.050	< 0.020	2.37
04-Mar-21	0.27	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	519	< 0.010	< 0.050	< 0.020	5.66
04-Aug-22	0.17	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	512	< 0.010	< 0.050	< 0.020	0.74

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	TI (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-21A</i>												
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
07-May-04	< 0.001	120	0.25	-	-	5.7	9.8	-	-	-	-	-
05-Aug-04	< 0.001	130	0.26	< 0.00040	0.062	3.8	8.5	0.027	< 0.0500	< 0.003	-	0.062
05-Nov-04	< 0.001	98	0.15	-	-	3.7	7.1	-	-	-	-	-
07-Apr-05	< 0.001	120	0.11	< 0.00040	0.039	5.6	8.5	0.026	< 0.0500	< 0.003	-	0.040
25-May-06	< 0.001	99	0.14	< 0.00040	< 0.030	3.2	7.4	< 0.005	< 0.0500	0.009	-	< 0.010
09-Aug-07	< 0.003	120	0.07	< 0.00040	< 0.030	2.6	7.7	< 0.005	< 0.0500	< 0.003	-	0.026
18-Nov-08	< 0.003	120	0.06	< 0.00040	< 0.030	3.5	9.6	< 0.005	< 0.0500	< 0.003	-	< 0.010
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
11-May-10	< 0.001	140	0.15	< 0.00040	< 0.030	4.2	9.9	< 0.005	< 0.0500	< 0.003	-	< 0.050
14-Jul-11	0.002	140	0.11	< 0.00040	< 0.030	3.7	11.0	< 0.005	< 0.0500	< 0.003	-	0.013
12-Oct-12	< 0.005	96	< 0.10	< 0.00040	< 0.150	2.5	5.9	< 0.025	< 0.2500	< 0.015	-	< 0.050
23-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	< 0.001	157	0.35	< 0.00002	0.003	5.8	9.8	< 0.002	< 0.0004	< 0.002	0.0104	0.019
12-Aug-15	< 0.050	120	0.06	< 0.00020	< 0.040	2.5	8.9	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
25-Oct-16	< 0.002	126	0.17	< 0.00004	< 0.001	3.3	10.2	< 0.003	< 0.0005	0.012	0.0018	0.003
06-Apr-17	< 0.005	135	0.11	< 0.00020	0.011	3.4	10.7	< 0.010	< 0.0100	0.011	0.0017	0.042
05-Apr-18	< 0.050	133	0.06	< 0.00020	< 0.040	3.3	11.3	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
09-Jul-19	< 0.050	137	0.18	< 0.00020	< 0.040	3.9	10.9	< 0.010	< 0.0100	0.021	0.0014	0.034
16-Dec-20	< 0.050	133	0.05	< 0.00020	< 0.040	2.9	10.2	< 0.010	< 0.0100	0.012	< 0.0500	< 0.020
04-Mar-21	< 0.005	146	0.07	< 0.00020	< 0.040	3.0	11.0	< 0.010	< 0.0100	0.023	< 0.0500	< 0.020
04-Aug-22	< 0.005	131	0.06	< 0.00020	< 0.040	2.6	10.0	< 0.010	< 0.0100	0.016	< 0.0500	0.003

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-21A											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	< 0.050	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	72	< 0.0500	-	< 0.020	0.28
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	0.06	< 0.002	< 0.001	0.01	< 0.0002	< 0.0001	425	< 0.0004	< 0.0002	< 0.003	0.16
12-Aug-15	< 0.10	< 0.060	< 0.010	< 0.02	< 0.0030	< 0.0050	467	< 0.0100	< 0.0500	< 0.020	0.85
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	0.07	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	491	< 0.010	< 0.050	0.002	0.49
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well MW-21A</i>												
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
19-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	< 0.001	12	0.11	< 0.00040	< 0.030	21	140.0	< 0.005	< 0.0500	< 0.003	-	0.033
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	< 0.001	137	0.06	< 0.00002	< 0.001	2.8	9.8	< 0.002	< 0.0004	< 0.002	< 0.0002	0.006
12-Aug-15	< 0.050	123	0.07	< 0.00020	< 0.040	2.6	8.9	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	< 0.005	133	0.07	< 0.00020	0.007	3.0	10.7	< 0.010	< 0.0100	0.010	< 0.0500	0.008
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER	Toluene (ug/l)	Acetone (ug/l)	Carbon Disulfide (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	5	[50]	-	
<i>Monitoring Well</i> MW-21A	ANALYSIS METHOD			
05-Feb-04	WELL FROZEN	-	-	-
07-May-04	-	-	-	-
05-Aug-04	EPA 8260	1.0	-	1.0
05-Nov-04	-	-	-	-
07-Apr-05	EPA 8260	3.0	-	3.0
25-May-06	EPA 601/602	< 1.0	-	0.0
09-Aug-07	EPA 601/603	< 1.0	-	0.0
18-Nov-08	EPA 601/603	< 1.0	-	0.0
19-Feb-09	WELL FROZEN	-	-	-
11-May-10	EPA 601/602	< 1.0	-	0.0
14-Jul-11	EPA 601/602	< 1.0	-	0.0
12-Oct-12	EPA 601/602	< 1.0	-	0.0
23-Jan-13	WELL FROZEN	-	-	-
03-Apr-14	EPA 8260	< 1.0	1.7 J	2.0
12-Aug-15	EPA 8260	< 1.0	< 5.0	0.3
25-Oct-16	EPA 8260	< 1.0	4.5 J	4.5
06-Apr-17	EPA 8260	< 1.0	< 5.0	0.3
05-Apr-18	EPA 8260	< 1.0	< 5.0	0.0
09-Jul-19	EPA 8260	< 1.0	2.7 BJ	2.7
16-Dec-20	EPA 8260	< 1.0	< 10.0	0.0
04-Mar-21	EPA 8260	< 1.0	< 5.0	0.0
04-Aug-22	EPA 8260	< 1.0	< 5.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-21C</i>											
05-Feb-04	WELL FROZEN					-	-	-	-	-	-
07-May-04	10.7	-90	8.1	2290	400.0	-	170	1300	2310	4	1740
05-Aug-04	14.2	-100	8.5	2260	75.0	5	150	1300	2220	27	1430
05-Nov-04	4.0	-65	8.2	2070	39.9	-	270	1900	2220	5	2070
07-Apr-05	10.4	-45	7.6	1744	1.7	10	130	1200	1980	5	980
25-May-06	60.6	-75	7.9	2290	19.6	7	180	1200	2540	11	1150
09-Aug-07	17.0	-85	7.5	759	335.0	< 500	150	1600	2320	6	1490
18-Nov-08	7.6	-50	7.9	1899	42.9	12	140	1700	2180	6	1480
20-Feb-09	4.2	-93	8.7	1539	7.8	12	99	2400	2250	6	1760
11-May-10	10.4	242	6.2	807	0.7	10	23	1800	2300	13	1730
14-Jul-11	19.7	-74	7.6	2362	250.0	8	130	1600	2400	4	1900
12-Oct-12	13.0	31	6.9	2334	101.0	2	150	1400	2100	5	910
23-Jan-13	9.1	169	7.6	2325	71.5	< 5	140	2000	2300	5	1280
03-Apr-14	7.8	-17	7.4	2300	74.2	8	140	1730	2040	4	1390
12-Aug-15	15.4	-52	7.2	2300	4.8	15	143	1590	2330	4	1580
25-Oct-16	11.1	-94	7.4	2500	6.1	16	140	1570	2230	4	1430
06-Apr-17	8.3	-44	7.4	2500	48.1	14	138	1750	2270	4	1470
05-Apr-18	6.3	10	7.2	2299	5.9	27	140	1690	2230	4	1360
09-Jul-19	13.6	-17	7.1	2325	5.3	14	131	2150	2200	4	1430
16-Dec-20	7.9	80	7.3	2344	2.1	10	129	1780	2100	5	1460
03-Mar-21	8.5	-16	7.3	2387	6.1	13	146	1670	2190	5	1460
05-Aug-22	15.2	-53	7.6	2370	7.1	3	142	1830	2240	5	1320

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well</i> MW-21C											
05-Feb-04	WELL FROZEN										
07-May-04	-	-	-	< 0.2	< 0.10	-	< 20	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	2.53	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	5.92	< 20	< 4	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	8	< 3	0.011	< 0.01
09-Aug-07	-	< 0.01	< 0.02	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
18-Nov-08	-	0.20	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
20-Feb-09	-	0.20	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
11-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	1.83	< 20	< 4	< 3	< 0.005	< 0.01
12-Oct-12	-	< 2.50	< 0.01	< 0.1	< 0.50	< 2.50	< 40	< 4	< 3	< 0.050	< 0.01
23-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
03-Apr-14	< 1	0.13	< 0.01	< 1.0	0.12	< 0.20	5	< 2	< 1	< 0.005	< 0.01
12-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.08	0.22	7	< 2	< 1	< 0.005	< 0.01
25-Oct-16	< 1	0.14	< 0.01	< 1.0	0.08	0.35	15	< 2	2	< 0.005	< 0.01
06-Apr-17	< 1	0.16	< 0.01	< 1.0	0.11	0.40	7	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.16	< 0.01	< 1.0	0.07	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
09-Jul-19	< 1	0.18	< 0.01	< 1.0	0.08	0.35	7	< 2	< 1	< 0.005	< 0.01
16-Dec-20	< 1	0.15	< 0.01	< 1.0	0.11	0.21	7	< 2	< 1	< 0.005	< 0.01
03-Mar-21	< 1	0.15	< 0.01	< 1.0	0.10	0.20	< 5	< 2	< 1	< 0.005	< 0.01
05-Aug-22	< 1	0.16	< 0.01	< 1.0	0.11	0.20	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-21C</i>											
05-Feb-04	WELL FROZEN										
07-May-04	-	-	-	-	-	< 0.0050	340	-	-	-	2.40
05-Aug-04	0.23	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	350	< 0.050	-	0.086	0.69
05-Nov-04	-	-	-	-	-	0.0110	460	-	-	-	15.00
07-Apr-05	0.15	< 0.003	0.016	< 0.30	< 0.0050	< 0.0050	310	< 0.050	-	0.120	0.73
25-May-06	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	330	< 0.050	-	< 0.020	0.48
09-Aug-07	0.34	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	420	< 0.050	-	< 0.020	1.30
18-Nov-08	0.67	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	460	< 0.050	-	< 0.020	3.00
20-Feb-09	5.80	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	610	< 0.050	-	0.021	10.00
11-May-10	0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	470	< 0.050	-	< 0.020	1.70
14-Jul-11	0.06	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	440	< 0.050	-	< 0.020	1.60
12-Oct-12	1.40	< 0.015	< 0.050	< 1.50	< 0.0250	< 0.0250	390	< 0.250	-	< 0.100	1.70
23-Jan-13	5.50	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	590	< 0.050	-	< 0.020	8.00
03-Apr-14	3.34	< 0.002	< 0.001	0.03	< 0.0002	< 0.0001	423	0.001	< 0.0002	< 0.003	5.61
12-Aug-15	0.29	< 0.060	< 0.010	< 0.02	< 0.0030	< 0.0050	431	< 0.010	< 0.0500	< 0.020	3.68
25-Oct-16	0.16	< 0.005	< 0.005	0.01	< 0.0001	< 0.0002	424	< 0.0003	< 0.0011	< 0.001	1.08
06-Apr-17	1.35	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	459	0.0013	< 0.0500	0.002	2.54
05-Apr-18	0.16	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	448	< 0.0100	< 0.0500	< 0.020	0.91
09-Jul-19	4.53	< 0.060	< 0.010	0.04	0.0002	< 0.0050	557	0.0062	0.0023	< 0.020	4.36
16-Dec-20	1.00	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	476	0.0012	< 0.0500	< 0.020	1.79
03-Mar-21	0.06	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	445	< 0.0100	< 0.0500	< 0.020	0.77
05-Aug-22	2.12	< 0.060	< 0.010	0.02	0.0002	< 0.0050	486	0.0030	< 0.0500	< 0.020	9.18

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-21C												
05-Feb-04	WELL FROZEN											
07-May-04	< 0.001	110	0.05	-	-	-	-	-	-	-	-	-
05-Aug-04	< 0.001	100	0.03	< 0.00040	0.042	3.7	8.8	0.027	< 0.0500	< 0.003	-	0.031
05-Nov-04	< 0.001	170	0.25	-	-	3.6	6.5	-	-	-	-	-
07-Apr-05	< 0.001	93	0.02	< 0.00040	0.039	3.5	6.1	0.007	< 0.0500	< 0.003	-	0.025
25-May-06	< 0.001	93	< 0.02	< 0.00040	< 0.030	1.5	5.9	< 0.005	< 0.0500	0.008	-	< 0.010
09-Aug-07	< 0.003	120	0.03	< 0.00040	< 0.030	1.5	5.4	< 0.005	< 0.0050	< 0.003	-	0.024
18-Nov-08	0.002	140	0.06	< 0.00040	< 0.030	2.2	6.9	< 0.005	< 0.0500	< 0.003	-	< 0.010
20-Feb-09	< 0.002	220	0.32	< 0.00040	< 0.030	5.1	7.5	< 0.005	< 0.0500	< 0.003	-	0.067
11-May-10	< 0.001	140	0.05	< 0.00040	< 0.030	2.1	6.7	< 0.005	< 0.0500	< 0.003	-	0.044
14-Jul-11	< 0.001	150	0.03	< 0.00040	< 0.030	1.8	7.7	< 0.005	< 0.0500	< 0.003	-	< 0.010
12-Oct-12	< 0.005	100	0.10	< 0.00040	< 0.150	2.5	4.0	< 0.025	< 0.2500	< 0.015	-	< 0.050
23-Jan-13	< 0.005	100	0.10	< 0.00040	< 0.150	2.5	4.0	< 0.025	< 0.2500	< 0.015	-	< 0.050
03-Apr-14	< 0.001	163	0.10	< 0.00002	< 0.001	3.1	7.2	< 0.002	< 0.0004	< 0.002	0.0044	< 0.005
12-Aug-15	< 0.050	124	0.04	< 0.00020	< 0.040	< 2.0	6.7	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
25-Oct-16	< 0.002	125	0.02	< 0.00004	< 0.001	1.7	7.2	< 0.003	< 0.0005	0.011	< 0.0009	< 0.002
06-Apr-17	< 0.005	146	0.05	< 0.00020	0.009	2.4	7.5	< 0.010	< 0.0100	0.014	0.0024	0.012
05-Apr-18	< 0.050	140	0.03	< 0.00020	< 0.040	1.9	8.0	< 0.010	< 0.0100	0.010	< 0.0500	< 0.020
09-Jul-19	0.005	184	0.13	< 0.00020	< 0.040	4.3	7.9	< 0.010	< 0.0100	0.024	0.0065	0.010
16-Dec-20	< 0.050	143	0.04	< 0.00020	< 0.040	2.0	7.0	< 0.010	< 0.0100	0.010	0.0014	< 0.020
03-Mar-21	< 0.050	136	0.02	< 0.00020	< 0.040	1.6	7.0	< 0.010	< 0.0100	0.013	< 0.0500	< 0.020
05-Aug-22	< 0.050	151	0.08	< 0.00020	< 0.040	2.5	7.0	< 0.010	< 0.0100	0.007	0.0040	0.037

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-21C											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	< 0.05	< 0.015	< 0.050	< 0.300	< 0.0050	< 0.0050	380	< 0.0500	-	0.029	0.06
03-Apr-14	0.04	< 0.002	< 0.001	0.005	< 0.0002	< 0.0001	387	0.0004	< 0.0002	< 0.003	0.54
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-21C												
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	< 0.005	95	< 0.02	< 0.00040	< 0.030	1.8	6.9	< 0.025	< 0.0500	< 0.015	-	< 0.010
03-Apr-14	< 0.001	131	0.02	< 0.00002	< 0.001	1.4	6.8	< 0.002	< 0.0004	< 0.002	< 0.0002	< 0.005
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1			
	ORGANIC PARAMETERS (DETECTED)			
GROUNDWATER		Toluene (ug/l)	Carbon Disulfide (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	-	
Monitoring Well MW-21C	ANALYSIS METHOD			
05-Feb-04	-	-	-	-
07-May-04	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	0.0
05-Nov-04	-	-	-	-
07-Apr-05	EPA 601/602	2.0	-	2.0
25-May-06	EPA 601/602	< 1.0	-	0.0
09-Aug-07	EPA 601/603	< 1.0	-	0.0
18-Nov-08	EPA 601/602	< 1.0	-	0.0
20-Feb-09	EPA 601/602	< 1.0	-	0.0
11-May-10	EPA 601/602	< 1.0	-	0.0
14-Jul-11	EPA 601/602	< 1.0	-	0.0
12-Oct-12	EPA 601/602	< 1.0	-	0.0
23-Jan-13	EPA 601/602	< 1.0	-	0.0
03-Apr-14	EPA 8260	< 1.0	-	0.0
12-Aug-15	EPA 8260	< 1.0	0.25 J	0.3
25-Oct-16	EPA 8260	< 1.0	< 1.0	0.0
06-Apr-17	EPA 8260	< 1.0	1.3	1.3
05-Apr-18	EPA 8260	< 1.0	0.29 J	0.3
09-Jul-19	EPA 8260	< 1.0	< 1.0	0.0
16-Dec-20	EPA 8260	< 1.0	< 1.0	0.0
03-Mar-21	EPA 8260	< 1.0	< 1.0	0.0
05-Aug-22	EPA 8260	< 1.0	< 1.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-22A</i>											
05-Feb-04	6.6	-20	7.1	4510	75.0	-	1900	800	3500	1200	210
07-May-04	10.2	< -80	6.4	7230	38.0	-	2100	690	3420	1240	208
05-Aug-04	15.0	-15	6.9	7510	18.0	10	2100	660	3340	1200	142
05-Nov-04	6.4	10	6.8	6230	9.7	-	840	640	3390	1430	380
07-Apr-05	11.1	-5	6.8	5630	3.9	200	2700	670	3350	1840	162
25-May-06	15.5	-80	7.1	7060	2.6	58	1800	770	3570	1060	168
09-Aug-07	21.0	-20	6.3	462	36.2	200	2100	940	3240	1320	133
18-Nov-08	10.0	-15	7.3	605	7.9	60	2000	940	3300	1470	180
20-Feb-09	6.3	-30	7.5	484	17.6	105	2100	840	3260	1220	216
11-May-10	12.6	252	6.1	353	2.2	150	2000	970	3400	1110	163
14-Jul-11	19.0	-69	7.0	7006	44.8	125	1100	890	3600	775	161
12-Oct-12	14.0	75	6.2	6752	13.9	50	2100	670	3100	1260	101
25-Jan-13	8.7	159	6.3	6784	31.3	60	2000	890	3100	1100	86
03-Apr-14	7.4	-55	6.9	6800	5.4	74	1850	914	3080	1080	116
12-Aug-15	14.5	-76	6.8	6800	0.8	76	1990	878	3160	1390	116
25-Oct-16	10.7	-84	7.1	7000	4.8	170	1980	850	2790	1170	103
06-Apr-17	9.2	-45	6.9	7100	1.4	15	1950	935	3040	1160	120
05-Apr-18	7.1	-6	6.8	6824	6.8	180	1970	962	2770	1120	111
11-Jul-19	13.4	-41	6.8	6962	1.8	60	1850	970	3120	1130	111
16-Dec-20	7.9	-39	6.9	6958	1.0	50	1830	893	2730	1160	99
03-Mar-21	8.8	-28	6.9	7091	3.4	70	1980	912	2690	1180	105
04-Aug-22	16.0	-80	7.1	6983	4.1	35	1940	907	2900	1190	91

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-22A</i>											
05-Feb-04	-	-	-	< 0.2	280.0	-	300	-	160	< 0.005	-
07-May-04	-	-	-	< 0.2	278.0	-	380	-	12	< 0.005	-
05-Aug-04	-	1.50	< 0.01	< 0.2	267.0	260	255	34	310	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	303.0	-	193	-	< 3	0.036	-
07-Apr-05	-	1.60	< 0.01	< 0.2	304.0	139	20	18	115	< 0.005	< 0.01
25-May-06	-	2.00	< 0.01	< 0.2	27.5	2	306	30	150	0.012	< 0.01
09-Aug-07	-	2.30	< 0.02	< 0.2	321.0	321	173	< 4	10	< 0.008	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	238.0	277	300	14	130	0.048	< 0.01
20-Feb-09	-	1.80	< 0.01	< 0.2	311.0	318	375	40	113	< 0.010	< 0.01
11-May-10	-	2.00	< 0.01	0.1	309.0	233	396	22	107	0.008	< 0.01
14-Jul-11	-	2.20	< 0.01	0.1	212.0	115	330	23	103	< 0.005	< 0.01
12-Oct-12	-	< 2.50	< 0.01	< 0.1	318.0	275	310	19	99.9	< 0.050	< 0.01
25-Jan-13	-	2.20	< 0.01	< 0.1	264.0	302	1100	20	91	< 0.050	< 0.01
03-Apr-14	10	2.02	< 0.01	< 1.0	272.0	292	432	16	116	0.005	< 0.01
12-Aug-15	12	2.02	< 0.01	< 1.0	280.0	265	525	16	129	0.045	< 0.01
25-Oct-16	11	2.15	< 0.01	< 1.0	486.0	300	454	6	12.7	0.048	< 0.01
06-Apr-17	11	2.18	< 0.01	< 1.0	275.0	181	463	15	97	0.045	< 0.01
05-Apr-18	27	2.21	< 0.05	< 1.0	270.0	216	422	27	93	0.021	< 0.01
11-Jul-19	12	2.14	< 0.01	< 1.0	283.0	282	459	25	169	< 0.005	0.01
16-Dec-20	13	2.09	< 0.01	< 1.0	264.0	281	433	32	107	< 0.005	< 0.01
03-Mar-21	16	2.05	< 0.05	< 1.0	283.0	290	450	17	103	< 0.005	< 0.01
04-Aug-22	14	2.00	< 0.05	< 1.0	312.0	301	557	25	108	< 0.005	0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-22A</i>											
05-Feb-04	-	-	-	-	-	0.0060	74	-	-	-	2.90
07-May-04	-	-	-	-	-	0.0060	64	-	-	-	4.70
05-Aug-04	0.06	< 0.003	0.029	< 0.3	< 0.0050	< 0.0050	62	< 0.0500	-	< 0.020	2.50
05-Nov-04	-	-	-	-	-	< 0.0050	56	-	-	-	2.60
07-Apr-05	< 0.05	< 0.003	0.025	< 0.3	< 0.0050	< 0.0050	61	< 0.0500	-	0.100	2.50
25-May-06	0.05	0.030	0.020	< 0.3	< 0.0050	< 0.0050	75	< 0.0500	-	< 0.020	2.70
09-Aug-07	< 0.05	< 0.003	0.024	< 0.3	< 0.0050	< 0.0050	93	< 0.0500	-	< 0.020	3.80
18-Nov-08	< 0.05	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	92	< 0.0500	-	< 0.020	0.65
20-Feb-09	< 0.05	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	82	< 0.0500	-	< 0.020	3.00
11-May-10	< 0.22	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	96	< 0.0500	-	< 0.020	3.30
14-Jul-11	0.06	< 0.003	0.015	< 0.3	< 0.0050	< 0.0050	83	< 0.0500	-	< 0.020	2.50
12-Oct-12	< 0.25	< 0.015	< 0.050	< 1.5	< 0.0250	< 0.0250	68	< 0.2500	-	< 0.100	3.50
25-Jan-13	0.08	< 0.015	< 0.050	0.4	< 0.0050	< 0.0050	82	< 0.0500	-	< 0.020	4.20
03-Apr-14	0.42	< 0.002	< 0.001	0.4	< 0.0002	< 0.0001	79	< 0.0040	0.004	0.003	4.72
12-Aug-15	1.48	< 0.060	< 0.010	0.4	< 0.0030	< 0.0050	87	< 0.0100	< 0.050	0.037	5.75
25-Oct-16	0.12	< 0.005	< 0.005	0.4	< 0.0001	< 0.0002	83	0.0033	0.008	0.003	3.78
06-Apr-17	0.07	< 0.060	< 0.010	0.4	< 0.0030	< 0.0050	94	0.0032	0.008	0.002	3.79
05-Apr-18	0.21	< 0.060	0.006	0.4	< 0.0030	< 0.0050	102	0.0028	0.007	< 0.020	5.06
11-Jul-19	0.52	0.005	< 0.010	0.4	< 0.0030	< 0.0050	106	0.0033	0.007	0.013	3.90
16-Dec-20	0.26	< 0.060	< 0.010	0.5	< 0.0030	< 0.0050	83	0.0031	0.008	0.011	3.79
03-Mar-21	1.03	< 0.060	< 0.010	0.5	< 0.0030	< 0.0050	87	0.0034	0.008	0.013	3.91
04-Aug-22	0.12	< 0.060	< 0.010	0.5	< 0.0030	< 0.0050	88	0.0003	0.007	< 0.020	3.64

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-22A</i>												
05-Feb-04	< 0.001	150	< 0.02	-	-	200.0	720.0	-	-	-	-	-
07-May-04	< 0.001	130	< 0.02	-	-	180.0	730.0	-	-	-	-	-
05-Aug-04	< 0.001	120	< 0.02	< 0.00040	0.05	150.0	460.0	0.031	< 0.0500	< 0.0030	-	0.042
05-Nov-04	< 0.001	120	< 0.02	-	-	140.0	460.0	-	-	-	-	-
07-Apr-05	< 0.001	130	< 0.02	< 0.00040	0.05	190.0	770.0	0.031	< 0.0500	< 0.0030	-	< 0.010
25-May-06	< 0.001	140	< 0.02	< 0.00040	0.03	< 0.5	530.0	< 0.005	< 0.0500	0.0070	-	< 0.010
09-Aug-07	0.006	170	< 0.02	< 0.00040	0.04	7.3	25.0	0.025	< 0.0500	< 0.0030	-	0.034
18-Nov-08	< 0.003	170	< 0.02	< 0.00040	0.04	200.0	660.0	< 0.005	< 0.0500	< 0.0030	-	< 0.010
20-Feb-09	< 0.003	150	< 0.02	< 0.00040	0.04	140.0	560.0	< 0.005	< 0.0500	< 0.0030	-	0.011
11-May-10	< 0.001	180	< 0.02	< 0.00040	0.03	240.0	700.0	0.036	< 0.0500	< 0.0030	-	< 0.010
14-Jul-11	< 0.001	160	< 0.02	< 0.00040	< 0.03	230.0	650.0	0.054	< 0.0500	< 0.0030	-	< 0.010
12-Oct-12	< 0.005	120	< 0.10	< 0.00040	< 0.15	200.0	530.0	0.062	< 0.2500	< 0.0150	-	< 0.050
25-Jan-13	< 0.005	160	< 0.02	< 0.00040	< 0.03	210.0	760.0	0.038	< 0.0500	< 0.0150	-	< 0.010
03-Apr-14	< 0.001	174	0.01	< 0.00002	0.03	204.0	640.0	0.008	< 0.0004	< 0.0018	0.002	< 0.005
12-Aug-15	< 0.050	160	< 0.01	< 0.00020	< 0.04	203.0	654.0	< 0.010	< 0.0100	< 0.0100	< 0.050	< 0.020
25-Oct-16	< 0.002	156	0.01	< 0.00004	0.02	197.0	634.0	< 0.003	< 0.0005	0.0027	0.004	0.003
06-Apr-17	< 0.005	170	0.01	< 0.00020	0.04	203.0	648.0	0.004	< 0.0100	0.0097	0.003	0.004
05-Apr-18	< 0.050	172	0.01	< 0.00020	0.02	203.0	679.0	< 0.010	< 0.0100	< 0.0100	0.003	< 0.020
11-Jul-19	< 0.005	171	0.01	< 0.00020	0.02	198.0	626.0	< 0.010	< 0.0100	0.0182	0.002	0.011
16-Dec-20	< 0.005	166	0.005	< 0.00020	0.02	188.0	623.0	< 0.010	< 0.0100	0.0241	0.002	< 0.020
03-Mar-21	< 0.050	169	0.007	< 0.00020	0.03	194.0	633.0	< 0.010	< 0.0100	0.0119	0.002	0.011
04-Aug-22	< 0.050	167	0.006	< 0.00020	0.03	187.0	626.0	< 0.010	< 0.0100	0.0170	0.002	0.005

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-22A											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-22A												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1						
ORGANIC PARAMETERS (DETECTED)						
GROUNDWATER	Toluene (ug/l)	Methylene Chloride (ug/l)	Acetone (ug/l)	Chloroform (ug/l)	Cis-1,2- Dichloro- ethene (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	5	5	[50]	7	5	
<i>Monitoring Well MW-22A</i>	ANALYSIS METHOD					
05-Feb-04	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	-	0.0
05-Nov-04	-	-	-	-	-	-
07-Apr-05	EPA 601/602	6.0	-	-	-	6.0
25-May-06	EPA 601/602	< 1.0	-	-	-	0.0
09-Aug-07	EPA 601/603	< 1.0	-	-	-	0.0
18-Nov-08	EPA 601/602	< 1.0	-	-	-	0.0
20-Feb-09	EPA 601/602	< 1.0	-	-	-	0.0
11-May-10	EPA 601/602	< 1.0	-	-	-	0.0
14-Jul-11	EPA 601/602	< 1.0	-	-	-	0.0
12-Oct-12	EPA 601/602	< 1.0	-	-	-	0.0
25-Jan-13	EPA 8260	< 1.0	10	-	-	10.0
03-Apr-14	EPA 8260	< 1.0	10	25 J	-	35.0
12-Aug-15	EPA 8260	< 1.0	< 10	< 50	-	0.0
25-Oct-16	EPA 8260	< 1.0	< 10	27 J	-	27.0
06-Apr-17	EPA 8260	< 10	< 10	< 50	2.7 J	2.7
05-Apr-18	EPA 8260	< 1	< 1	5.6	< 1	5.6
11-Jul-19	EPA 8260	< 1	< 1	5.4 B	< 1	5.4
16-Dec-20	EPA 8260	< 1	< 1	< 10	< 1	2.1
03-Mar-21	EPA 8260	< 1	< 1	< 5	< 1	0.0
04-Aug-22	EPA 8260	< 1	< 1	8.1	< 1	8.1

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-22C</i>	WELL FROZEN					-	-	-	-	-	-
05-Feb-04	10.4	-80	8.0	2420	12.0	-	220	1100	2070	21	1360
07-May-04	13.9	-82	8.1	2810	14.0	7	210	1000	1850	140	822
05-Aug-04	5.6	-55	8.1	2130	5.2	-	370	< 3	1870	22	4360
07-Nov-04	12.1	-35	7.4	2370	1.3	12	280	1000	1780	27	796
25-May-06	16.4	-80	8.1	1988	5.9	34	650	1000	2230	5	893
09-Aug-07	20.0	-60	7.1	1185	16.4	120	270	1300	1990	79	1260
18-Nov-08	8.2	-42	7.8	234	5.5	10	200	1400	2000	29	1160
20-Feb-09	4.6	-70	8.3	1904	8.8	10	200	1400	1890	28	1440
11-May-10	11.5	259	5.9	745	2.3	20	190	1600	2000	29	1330
14-Jul-11	21.4	-90	7.3	2423	62.3	35	190	1500	2100	24	1610
12-Oct-12	13.4	34	6.8	2382	70.5	2	210	1300	2000	32	1180
25-Jan-13	9.7	23	6.8	2438	34.2	< 5	210	1500	2100	37	1010
03-Apr-14	7.6	-114	7.2	2200	3.1	80	202	1330	1980	32	1190
12-Aug-15	15.2	-101	7.1	2200	0.7	22	220	1390	1990	31	1320
25-Oct-16	10.2	-134	7.4	2560	1.4	20	214	1420	2070	31	1180
06-Apr-17	8.7	-125	7.3	2300	8.6	22	216	1470	2080	31	1250
05-Apr-18	6.6	-93	7.1	2175	5.2	140	208	1490	2000	31	1140
11-Jul-19	13.6	-223	7.0	2247	1.4	25	198	1490	2000	31	1200
16-Dec-20	8.8	-144	7.2	2236	0.9	21	196	1490	1940	32	1230
04-Mar-21	5.8	-145	7.2	2288	7.7	11	226	1540	2000	33	1250
04-Aug-22	15.4	-153	7.4	2253	2.4	4	225	1500	2040	32	1180

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-22C</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	< 0.2	3.79	-	< 20	-	< 3	0.019	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	29	-	5	0.011	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	5	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	1.88	8.23	65	11	47	0.007	< 0.01
09-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	0.52	0.63	< 20	< 4	< 3	< 0.005	< 0.01
20-Feb-09	-	1.20	< 0.01	< 0.2	< 0.50	< 0.50	< 20	4	< 3	< 0.005	< 0.01
11-May-10	-	0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	4	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	1.18	< 20	10	< 3	0.007	< 0.01
12-Oct-12	-	< 2.50	< 0.01	< 0.1	< 0.50	< 2.50	29	< 4	< 3	< 0.050	< 0.01
25-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	5	< 3	< 0.050	< 0.01
03-Apr-14	< 1	0.14	< 0.01	< 1.0	< 0.08	0.41	43	2	2	< 0.005	< 0.01
12-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.06	0.21	13	< 2	< 1	< 0.010	< 0.01
25-Oct-16	< 1	0.15	< 0.01	< 1.0	0.06	< 0.20	9	2	5	0.015	< 0.01
06-Apr-17	< 1	0.17	< 0.01	< 1.0	0.05	0.29	15	2	1	< 0.005	< 0.01
05-Apr-18	< 1	0.17	< 0.01	< 1.0	0.06	< 0.20	11	2	< 1	< 0.005	< 0.01
11-Jul-19	< 1	0.18	< 0.01	< 1.0	< 0.05	0.65	10	< 2	2	< 0.005	< 0.01
16-Dec-20	< 1	0.16	< 0.01	< 1.0	0.07	0.53	12	< 2	1	< 0.005	< 0.01
04-Mar-21	< 1	0.18	< 0.01	< 1.0	0.11	0.22	5	< 2	< 1	< 0.005	< 0.01
04-Aug-22	< 1	0.16	< 0.01	< 1.0	0.12	0.44	19	3	2	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-22C</i>											
05-Feb-04	WELL FROZEN										
07-May-04	-	-	-	-	-	< 0.0050	340	-	-	-	5.00
05-Aug-04	0.32	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	330	< 0.0500	-	< 0.020	0.54
05-Nov-04	-	-	-	-	-	< 0.0050	< 1	-	-	-	< 0.03
07-Apr-05	0.09	< 0.003	0.011	< 0.30	< 0.0050	< 0.0050	310	< 0.0500	-	0.150	0.11
25-May-06	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.5000	320	< 0.0500	-	< 0.020	1.80
09-Aug-07	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	410	< 0.0500	-	< 0.020	0.64
18-Nov-08	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	430	< 0.0500	-	< 0.020	1.10
20-Feb-09	0.17	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	440	< 0.0500	-	< 0.020	14.00
11-May-10	0.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	490	< 0.0500	-	< 0.020	8.00
14-Jul-11	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	460	< 0.0500	-	< 0.020	4.40
12-Oct-12	4.80	< 0.015	< 0.050	< 1.50	< 0.0250	< 0.0250	400	< 0.2500	-	< 0.100	19.00
25-Jan-13	0.24	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	490	< 0.0500	-	< 0.020	5.30
03-Apr-14	0.09	< 0.002	< 0.001	0.01	< 0.0002	< 0.0001	401	< 0.0004	-	< 0.003	1.26
12-Aug-15	0.34	< 0.060	< 0.010	< 0.02	< 0.0030	< 0.0050	431	< 0.0100	< 0.05	< 0.020	5.61
25-Oct-16	0.05	< 0.005	< 0.005	0.01	< 0.0001	< 0.0002	444	< 0.0003	< 0.001	0.001	0.30
06-Apr-17	0.37	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	456	< 0.0006	< 0.05	0.042	8.73
05-Apr-18	0.07	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	460	< 0.0100	< 0.05	< 0.020	2.10
11-Jul-19	0.18	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	461	< 0.0100	< 0.05	< 0.020	3.16
16-Dec-20	0.08	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	466	< 0.0100	< 0.05	< 0.020	1.72
04-Mar-21	0.68	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	478	0.0026	< 0.05	0.010	13.40
04-Aug-22	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	474	< 0.0100	< 0.05	< 0.020	0.55

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-22C</i>												
05-Feb-04	WELL FROZEN											
07-May-04	< 0.001	65	0.04	-	-	8.1	17.0	-	-	-	-	-
05-Aug-04	< 0.001	55	< 0.02	< 0.00040	0.044	2.2	11.0	0.025	< 0.0500	< 0.003	-	< 0.010
05-Nov-04	< 0.001	< 1	< 0.02	-	-	2.1	1.0	-	-	-	-	-
07-Apr-05	< 0.001	54	< 0.02	< 0.00040	0.030	3.1	13.0	0.016	< 0.0500	< 0.003	-	< 0.010
25-May-06	< 0.001	57	< 0.02	< 0.00040	< 0.030	1.9	11.0	< 0.005	< 0.0500	0.008	-	< 0.010
09-Aug-07	< 0.003	76	< 0.02	< 0.00040	< 0.030	1.7	13.0	< 0.005	< 0.0500	< 0.003	-	0.028
18-Nov-08	< 0.003	78	< 0.03	< 0.00040	< 0.030	2.0	15.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
20-Feb-09	< 0.003	73	0.04	< 0.00040	< 0.030	2.2	16.0	< 0.005	< 0.0500	< 0.003	-	0.035
11-May-10	< 0.001	86	0.03	< 0.00040	< 0.030	2.5	16.0	< 0.005	< 0.0500	< 0.003	-	0.043
14-Jul-11	< 0.001	87	0.07	< 0.00040	< 0.030	2.3	17.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
12-Oct-12	< 0.005	68	0.12	< 0.00040	< 0.150	2.5	9.7	< 0.025	< 0.2500	< 0.015	-	< 0.050
25-Jan-13	< 0.005	80	0.03	< 0.00040	< 0.030	2.5	18.0	< 0.025	< 0.0500	< 0.015	-	0.011
03-Apr-14	< 0.001	80	0.01	< 0.00002	< 0.001	1.9	15.4	0.003	< 0.0004	< 0.002	< 0.0002	< 0.005
12-Aug-15	< 0.050	76	0.02	< 0.00020	< 0.040	< 2.0	14.9	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
25-Oct-16	< 0.002	75	0.01	< 0.00004	< 0.001	1.9	15.5	< 0.003	< 0.0005	0.014	< 0.0009	< 0.002
06-Apr-17	0.005	81	0.04	< 0.00020	0.004	2.1	16.8	< 0.010	< 0.0100	0.010	< 0.0500	0.047
05-Apr-18	< 0.050	83	0.02	< 0.00020	< 0.040	2.3	18.2	< 0.010	< 0.0100	0.015	< 0.0500	< 0.020
11-Jul-19	< 0.005	83	0.02	< 0.00020	< 0.040	2.1	17.3	< 0.010	< 0.0100	0.015	< 0.0500	< 0.020
16-Dec-20	< 0.005	80	0.02	< 0.00020	< 0.040	2.0	15.4	< 0.010	< 0.0100	0.009	< 0.0500	< 0.020
04-Mar-21	< 0.005	85	0.06	< 0.00020	< 0.040	2.0	16.9	< 0.010	< 0.0100	0.021	< 0.0500	0.033
04-Aug-22	< 0.005	78	0.02	< 0.00020	< 0.040	1.7	15.3	< 0.010	< 0.0100	0.010	< 0.0500	0.003

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	-	0.3
<i>Monitoring Well MW-22C</i>											
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	< 0.05	< 0.015	< 0.05	< 0.3	< 0.005	< 0.0050	460	< 0.05	-	< 0.02	< 0.03
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-22C												
05-Feb-04	WELL FROZEN	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	< 0.005	78	0.06	< 0.0004	< 0.03	1.9	16	< 0.025	< 0.05	< 0.015	-	< 0.01
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
06-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
	ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER		Toluene (ug/l)	Carbon Disulfide (ug/l)	Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	-	[50]	
Monitoring Well MW-22C	ANALYSIS METHOD				
05-Feb-04	WELL FROZEN	-	-	-	-
07-May-04	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	0.0
05-Nov-04	-	-	-	-	-
07-Apr-05	EPA 601/602	5.0	-	-	5.0
25-May-06	EPA 601/602	< 1.0	-	-	0.0
09-Aug-07	EPA 601/603	< 1.0	-	-	0.0
18-Nov-08	EPA 601/602	< 1.0	-	-	0.0
20-Feb-09	EPA 601/602	< 1.0	-	-	0.0
11-May-10	EPA 601/602	< 1.0	-	-	0.0
14-Jul-11	EPA 601/602	< 1.0	-	-	0.0
12-Oct-12	EPA 601/602	< 1.0	-	-	0.0
25-Jan-13	EPA 601/602	< 1.0	-	-	0.0
03-Apr-14	EPA 8260	< 1.0	0.8 J	-	0.8
12-Aug-15	EPA 8260	< 1.0	0.34 J	-	0.3
25-Oct-16	EPA 8260	< 1.0	0.55 J	-	0.6
06-Apr-17	EPA 8260	< 1.0	0.67 J	-	0.7
05-Apr-18	EPA 8260	< 1.0	0.24 J	-	0.2
11-Jul-19	EPA 8260	< 1.0	0.30 J	3.1 BJ	3.4
16-Dec-20	EPA 8260	< 1.0	0.23 J	< 10.0	0.2
04-Mar-21	EPA 8260	< 1.0	1.0	< 5.0	1.0
04-Aug-22	EPA 8260	< 1.0	2.5	< 5.0	2.5

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well</i> MW-23AA											
05-Feb-04	5.2	-69	8.0	1581	65.0	-	190	1200	2300	140	1500
07-May-04	10.2	-62	7.6	2490	4.5	-	220	1200	2250	138	1570
05-Aug-04	15.9	-77	8.1	2380	31.0	7	180	1300	2320	150	1420
05-Nov-04	5.5	-37	7.7	1982	3.0	-	330	1200	2170	174	1860
07-Apr-05	9.4	-40	7.5	1840	3.6	100	230	1100	2070	485	1080
23-May-06	55.6	30	8.2	1111	7.9	35	370	540	800	172	40
09-Aug-07	17.7	-92	7.1	608	26.0	7	590	910	1080	77	46
18-Nov-08	10.6	-108	8.6	1340	42.0	18	350	580	720	197	48
20-Feb-09	7.3	-79	8.4	923	20.5	20	360	1600	784	193	59
11-May-10	12.5	231	6.5	545	2.3	10	370	660	790	148	78
14-Jul-11	21.2	-20	7.8	1293	243.0	75	360	580	920	150	89
12-Oct-12	15.7	143	7.2	1294	55.4	5	380	540	750	172	55
25-Jan-13	5.9	67	7.0	1313	122.0	< 5	390	530	730	157	48
03-Apr-14	44.0	-17	7.4	1230	10.2	11	390	502	699	152	61
12-Aug-15	15.9	123	7.2	1230	19.0	13	410	504	761	151	60
25-Oct-16	13.4	-51	7.4	1240	11.8	23	402	490	724	150	57
09-May-17	9.3	95	7.4	1180	11.4	10	398	499	653	126	55
04-Apr-18	6.9	235	7.0	1131	4.0	14	371	489	670	121	52
09-Jul-19	14.1	63	7.1	1141	11.7	22	360	534	679	133	52
15-Dec-20	10.9	162	7.2	1138	5.7	5	370	496	663	141	50
03-Mar-21	8.1	146	7.2	1162	7.6	8	412	495	634	139	50
03-Aug-22	15.5	65	7.5	1134	8.4	3	402	462	644	124	45

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-23AA</i>											
05-Feb-04	-	-	-	< 0.2	3.30	-	23	-	8	< 0.005	-
07-May-04	-	-	-	< 0.2	1.90	-	29	-	8	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	9	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	1.81	-	< 20	-	8	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	2.14	25	< 4	6	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
09-Aug-07	-	< 0.50	< 0.01	1.0	0.78	3.62	22	< 4	< 3	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
20-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
11-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
12-Oct-12	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
25-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	21	< 4	< 3	< 0.050	< 0.01
03-Apr-14	< 1	< 0.02	< 0.01	< 1.0	0.10	< 0.20	10	< 2	1	< 0.005	< 0.01
12-Aug-15	< 1	< 0.20	< 0.01	< 1.0	< 0.05	< 0.20	7	< 2	1	< 0.005	< 0.01
25-Oct-16	< 1	0.03	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	13	< 0.005	< 0.01
09-May-17	< 1	0.03	< 0.01	< 1.0	< 0.05	0.20	< 5	< 2	2	< 0.005	< 0.01
04-Apr-18	< 1	0.03	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	1	< 0.005	< 0.01
09-Jul-19	< 1	0.03	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	1	< 0.005	< 0.01
15-Dec-20	< 1	0.03	< 0.01	< 1.0	0.06	0.25	< 7	< 2	< 1	< 0.005	< 0.01
03-Mar-21	< 1	0.03	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	1	< 0.005	< 0.01
03-Aug-22	< 1	< 0.03	< 0.01	< 1.0	0.16	0.46	< 5	< 2	6	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-23AA											
05-Feb-04	-	-	-	-	-	< 0.0050	320	-	-	-	2.70
07-May-04	-	-	-	-	-	< 0.0050	320	-	-	-	1.70
05-Aug-04	0.12	< 0.003	0.074	< 0.3	< 0.0050	< 0.0050	350	< 0.050	-	0.047	4.20
05-Nov-04	-	-	-	-	-	< 0.0050	310	-	-	-	2.50
07-Apr-05	0.12	< 0.003	0.021	< 0.3	< 0.0050	< 0.0050	310	< 0.050	-	0.140	2.30
23-May-06	0.14	0.011	< 0.010	< 0.3	< 0.0050	< 0.0050	120	< 0.050	-	< 0.020	0.30
09-Aug-07	0.05	< 0.003	< 0.010	0.4	< 0.0050	< 0.0050	360	< 0.050	-	< 0.020	0.11
18-Nov-08	0.11	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	130	< 0.050	-	< 0.020	0.30
20-Feb-09	0.20	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	410	< 0.050	-	< 0.020	0.48
11-May-10	0.28	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	150	< 0.050	-	< 0.020	0.66
14-Jul-11	0.18	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	130	< 0.050	-	< 0.020	0.47
12-Oct-12	0.90	< 0.015	< 0.050	< 0.3	< 0.0050	< 0.0050	120	< 0.050	-	< 0.020	1.20
25-Jan-13	0.93	< 0.015	< 0.050	< 0.3	< 0.0050	< 0.0050	120	< 0.050	-	< 0.020	1.20
03-Apr-14	1.21	< 0.002	< 0.001	0.2	< 0.0002	< 0.0001	106	< 0.000	< 0.0002	< 0.003	1.08
12-Aug-15	1.24	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	111	< 0.010	< 0.0500	< 0.020	1.27
25-Oct-16	1.54	< 0.005	< 0.005	0.2	< 0.0001	< 0.0002	107	0.003	< 0.0011	0.002	1.46
09-May-17	0.65	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	109	0.001	< 0.0500	< 0.020	0.63
04-Apr-18	0.22	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	108	< 0.010	< 0.0500	< 0.020	0.19
09-Jul-19	0.94	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	118	0.002	0.0011	< 0.020	0.88
15-Dec-20	0.44	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	108	0.001	< 0.0500	< 0.020	0.51
03-Mar-21	0.23	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	107	< 0.010	< 0.0500	< 0.020	0.33
03-Aug-22	0.46	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	101	< 0.010	< 0.0500	< 0.020	0.52

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-23AA</i>												
05-Feb-04	< 0.001	96	0.05	-	-	3.9	56.0	-	-	-	-	-
07-May-04	< 0.001	98	0.06	-	-	4.7	57.0	-	-	-	-	-
05-Aug-04	< 0.001	98	0.06	< 0.0004	0.067	4.3	55.0	0.022	< 0.0500	< 0.003	-	0.022
05-Nov-04	< 0.001	96	0.07	-	-	3.9	54.0	-	-	-	-	-
07-Apr-05	< 0.001	90	0.05	< 0.0004	< 0.030	4.4	61.0	0.019	< 0.0500	< 0.003	-	< 0.010
23-May-06	< 0.001	59	0.04	< 0.0004	< 0.030	2.2	32.0	0.005	< 0.0500	0.005	-	0.041
09-Aug-07	< 0.003	2	< 0.02	< 0.0004	< 0.030	64.0	25.0	< 0.005	< 0.0500	< 0.003	-	0.065
18-Nov-08	< 0.003	63	0.05	< 0.0004	< 0.030	2.1	46.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
20-Feb-09	< 0.003	140	0.07	< 0.0004	< 0.030	4.1	43.0	< 0.005	< 0.0500	< 0.003	-	0.019
11-May-10	0.001	70	0.10	< 0.0004	< 0.030	2.6	63.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
14-Jul-11	0.001	65	0.06	< 0.0004	< 0.030	2.5	77.0	< 0.005	< 0.0500	< 0.003	-	0.011
12-Oct-12	< 0.005	59	0.06	< 0.0004	< 0.030	2.6	79.0	< 0.025	< 0.0500	< 0.015	-	0.013
25-Jan-13	< 0.005	59	0.06	< 0.0004	< 0.030	2.9	73.0	< 0.025	< 0.0500	< 0.015	-	0.015
03-Apr-14	< 0.001	58	0.01	< 0.00002	< 0.005	2.4	65.1	< 0.002	< 0.0004	< 0.002	< 0.001	< 0.005
12-Aug-15	< 0.050	55	0.05	< 0.00020	< 0.040	2.3	74.7	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
25-Oct-16	< 0.002	54	0.07	< 0.00004	< 0.001	2.8	75.2	< 0.003	< 0.0005	< 0.002	0.003	0.007
09-May-17	< 0.050	55	0.04	< 0.00020	< 0.004	2.2	70.6	< 0.010	< 0.0100	0.006	0.002	< 0.020
04-Apr-18	< 0.050	53	0.03	< 0.00020	< 0.040	2.0	71.2	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
09-Jul-19	< 0.050	58	0.04	< 0.00020	< 0.040	2.6	69.6	< 0.010	< 0.0100	< 0.010	0.001	< 0.020
15-Dec-20	< 0.050	55	0.03	< 0.00020	0.003	2.1	71.1	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
03-Mar-21	< 0.050	55	0.04	< 0.00020	< 0.040	2.0	66.9	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
03-Aug-22	< 0.050	51	0.03	< 0.00020	< 0.040	2.8	61.1	< 0.010	< 0.0100	0.008	< 0.050	0.009

[illegible]

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-23AA												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	< 0.005	59	0.06	< 0.0004	< 0.03	2.4	82	< 0.025	< 0.05	< 0.015	-	< 0.01
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
	ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER		Toluene (ug/l)	Acetone (ug/l)	Idomethane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	5	
Monitoring Well MW-23AA	ANALYSIS METHOD				
05-Feb-04	-	-	-	-	-
07-May-04	-	-	-	-	-
05-Aug-04	EPA 601/602	<1.0	-	-	0.0
05-Nov-04	-	-	-	-	-
07-Apr-05	EPA 601/602	2.0	-	-	2.0
23-May-06	EPA 601/602	<1.0	-	-	0.0
09-Aug-07	EPA 601/603	<1.0	-	-	0.0
18-Nov-08	EPA 601/602	<1.0	-	-	0.0
20-Feb-09	EPA 601/602	<1.0	-	-	0.0
11-May-10	EPA 601/602	<1.0	-	-	0.0
14-Jul-11	EPA 601/602	<1.0	-	-	0.0
12-Oct-12	EPA 601/602	<1.0	-	-	0.0
25-Jan-13	EPA 601/602	<1.0	-	-	0.0
03-Apr-14	EPA 8260	<1.0	-	-	0.0
12-Aug-15	EPA 8260	<1.0	-	-	0.0
25-Oct-16	EPA 8260	<1.0	1.4 J	-	1.4
09-May-17	EPA 8260	<1.0	1.5 J	-	1.5
04-Apr-18	EPA 8260	<1.0	<5.0	-	0.0
09-Jul-19	EPA 8260	<1.0	2.7 BJ	1.6 BJ	4.3
15-Dec-20	EPA 8260	<1.0	<5.0	<5.0	0.0
03-Mar-21	EPA 8260	<1.0	<5.0	<5.0	0.0
03-Aug-22	EPA 8260	<1.0	<5.0	<5.0	0.0

CITY OF AUBURN LANDFILL
WATER QUALITY DATA
LANDFILL #1

GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-23C</i>											
05-Feb-04	8.4	-53	7.6	1622	30.0	-	130	1400	2600	3	230
07-May-04	11.5	-67	7.7	2400	50.0	-	130	1500	2440	3	253
05-Aug-04	15.7	-100	8.5	2310	10.0	5	170	1300	2380	41	2910
05-Nov-04	5.2	-45	7.8	2080	24.4	-	260	1200	2280	3	2910
07-Apr-05	11.2	-120	9.1	1695	0.9	15	110	1100	2280	3	1070
23-May-06	57.2	-50	10.2	2180	8.5	16	76	1000	1770	27	813
09-Aug-07	19.3	-140	8.5	570	590	550	390	550	692	205	46
18-Nov-08	10.2	-90	8.6	1910	25.6	6	31	1400	2140	3	1510
20-Feb-09	7.4	-96	8.7	1479	6.0	16	84	560	2290	3	2420
11-May-10	11.7	191	7.1	819	0.3	< 5	< 10	1400	2000	4	1320
14-Jul-11	18.5	-22	8.8	1967	17.8	25	50	1300	2000	3	2440
12-Oct-12	14.5	138	7.4	2266	59.5	5	30	1600	2200	139	1930
25-Jan-13	6.3	63	7.1	2363	69.0	< 5	120	1800	2400	4	739
03-Apr-14	10.3	-400	8.9	22000	28.5	6	24	1340	1810	8	1240
12-Aug-15	12.1	-41	12.1	2100	9.6	10	161	652	1050	23	605
25-Oct-16	10.2	-114	9.4	2200	9.3	10	22	1390	2040	5	1150
09-May-17	10.2	175	9.4	1920	15.4	10	12	1330	1930	7	1250
04-Apr-18	9.3	139	7.5	2114	9.5	12	53	1380	2140	5	1400
09-Jul-19	12.1	-142	10.8	1875	14.2	21	27	1110	1750	10	1050
15-Dec-20	10.7	91	9.2	2117	11.9	10	42	1380	1930	5	1380
03-Mar-21	10.4	73	8.5	2378	7.3	12	103	1660	2250	8	1500
03-Aug-22	14.0	93	9.6	1564	8.6	13	28	997	1370	18	958

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well</i> MW-23C											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	27	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	1.74	-	< 20	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
09-Aug-07	-	< 0.50	< 0.02	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
20-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
11-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
14-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
12-Oct-12	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	21	< 4	< 3	< 0.005	< 0.01
25-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	65	< 4	< 3	< 0.050	< 0.01
03-Apr-14	< 1	0.19	< 0.01	< 1.0	0.20	0.30	< 5	< 2	1	< 0.005	< 0.01
12-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.19	0.45	7	< 2	1	< 0.005	< 0.01
25-Oct-16	< 1	0.16	< 0.01	< 1.0	0.16	0.33	< 5	< 2	2	< 0.005	< 0.01
09-May-17	< 1	0.16	< 0.01	< 1.0	0.18	0.33	< 5	< 2	< 1	< 0.005	< 0.01
04-Apr-18	< 1	0.16	< 0.01	< 1.0	0.16	0.24	< 5	< 2	< 1	< 0.005	< 0.01
09-Jul-19	< 1	0.15	< 0.01	< 1.0	0.25	0.56	< 5	8	6	< 0.005	< 0.01
15-Dec-20	< 1	0.21	< 0.01	< 1.0	0.65	0.80	7	< 2	< 1	< 0.005	< 0.01
03-Mar-21	< 1	0.23	< 0.01	< 1.0	0.23	0.43	< 5	< 2	< 1	< 0.005	< 0.01
03-Aug-22	< 1	< 0.15	< 0.01	< 1.0	0.35	1.17	10	< 2	3	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-23C</i>											
05-Feb-04	-	-	-	-	-	0.0070	380	-	-	-	0.69
07-May-04	-	-	-	-	-	< 0.0050	380	-	-	-	1.10
05-Aug-04	0.20	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	350	< 0.0500	-	< 0.020	0.39
05-Nov-04	-	-	-	-	-	< 0.0050	340	-	-	-	0.25
07-Apr-05	0.18	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	270	< 0.0500	-	0.100	0.24
23-May-06	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	400	< 0.0500	-	< 0.020	0.10
09-Aug-07	0.34	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	120	< 0.0500	-	< 0.020	0.58
18-Nov-08	0.08	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	< 0.020	0.12
20-Feb-09	0.58	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	120	< 0.0500	-	< 0.020	0.92
11-May-10	0.18	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	0.028	0.27
14-Jul-11	0.07	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	340	< 0.0500	-	< 0.020	0.11
12-Oct-12	0.69	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	390	< 0.0500	-	< 0.020	1.10
25-Jan-13	1.20	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	460	< 0.0500	-	< 0.020	1.70
03-Apr-14	1.10	< 0.002	< 0.001	< 0.03	< 0.0002	< 0.0001	344	< 0.0004	< 0.0002	< 0.003	0.96
12-Aug-15	0.17	< 0.060	< 0.010	0.08	< 0.0030	< 0.0050	257	< 0.0100	< 0.0500	< 0.020	0.15
25-Oct-16	0.21	< 0.005	< 0.005	0.02	< 0.0001	< 0.0002	384	< 0.0003	< 0.0011	0.001	0.19
09-May-17	0.48	< 0.060	< 0.010	0.31	< 0.0030	< 0.0050	363	0.0004	< 0.0500	< 0.020	0.32
04-Apr-18	0.37	< 0.060	0.006	0.03	< 0.0030	< 0.0050	362	0.0027	< 0.0500	< 0.020	0.67
09-Jul-19	0.29	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	322	0.0014	< 0.0500	< 0.020	2.41
15-Dec-20	0.26	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	349	0.0094	< 0.0500	< 0.020	0.45
03-Mar-21	0.12	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	434	< 0.0100	< 0.0500	< 0.020	0.41
03-Aug-22	0.95	< 0.060	< 0.010	0.04	< 0.0030	< 0.0050	275	0.0110	< 0.0500	0.005	4.32

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-23C</i>												
05-Feb-04	< 0.001	110	0.06	-	-	4.7	24.0	-	-	-	-	-
07-May-04	< 0.001	120	0.06	-	-	2.2	24.0	-	-	-	-	-
05-Aug-04	< 0.001	110	0.05	< 0.00040	0.040	3.9	19.0	0.034	< 0.0500	< 0.003	-	< 0.010
05-Nov-04	< 0.001	97	0.04	-	-	3.7	18.0	-	-	-	-	-
07-Apr-05	< 0.001	110	< 0.02	< 0.00040	0.035	5.9	29.0	0.019	< 0.0500	< 0.003	-	< 0.010
23-May-06	< 0.001	3	< 0.02	< 0.00040	< 0.030	8.5	35.0	< 0.005	< 0.0500	0.005	-	< 0.010
09-Aug-07	0.007	62	0.05	< 0.00040	< 0.030	1.9	34.0	0.012	< 0.0500	< 0.003	-	0.045
18-Nov-08	< 0.003	130	< 0.02	< 0.00040	< 0.030	4.9	54.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
20-Feb-09	< 0.003	62	0.07	< 0.00040	< 0.030	2.4	55.0	< 0.005	< 0.0500	< 0.003	-	0.016
11-May-10	< 0.001	120	0.03	< 0.00040	< 0.030	5.6	87.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
14-Jul-11	< 0.001	130	0.06	< 0.00040	< 0.030	4.2	95.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
12-Oct-12	< 0.005	150	0.05	< 0.00040	< 0.030	3.8	41.0	< 0.025	< 0.0500	< 0.015	-	0.047
25-Jan-13	< 0.005	120	0.09	< 0.00040	< 0.030	4.4	35.0	< 0.025	< 0.0500	< 0.015	-	0.020
03-Apr-14	< 0.001	117	0.04	< 0.00002	< 0.001	5.0	43.7	< 0.002	< 0.0004	< 0.002	0.001	0.008
12-Aug-15	< 0.050	2	< 0.01	< 0.00020	< 0.040	3.5	33.6	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
25-Oct-16	< 0.002	104	0.01	< 0.00004	< 0.001	3.2	28.6	< 0.003	< 0.0005	0.008	< 0.001	< 0.002
09-May-17	< 0.050	102	0.01	< 0.00020	< 0.040	4.1	36.9	< 0.010	< 0.0100	0.012	< 0.050	< 0.020
04-Apr-18	< 0.050	117	0.01	< 0.00020	< 0.040	4.6	44.3	< 0.010	< 0.0100	0.007	< 0.050	< 0.020
09-Jul-19	< 0.050	74	0.02	< 0.00020	< 0.040	8.8	51.9	< 0.010	< 0.0100	0.017	< 0.050	< 0.020
15-Dec-20	< 0.050	124	0.02	< 0.00020	0.007	3.9	54.9	< 0.010	< 0.0100	0.012	< 0.050	< 0.020
03-Mar-21	< 0.050	139	0.03	< 0.00020	< 0.040	4.6	35.1	< 0.010	< 0.0100	0.012	< 0.050	< 0.020
03-Aug-22	< 0.050	76	0.04	< 0.00020	0.007	8.5	44.4	< 0.010	< 0.0100	< 0.010	< 0.050	0.036

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-23C											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	< 0.05	< 0.015	< 0.05	< 0.3	< 0.005	< 0.0050	390	< 0.05	-	< 0.02	< 0.03
25-Jan-13	< 0.05	< 0.015	< 0.05	< 0.3	< 0.005	< 0.0050	460	< 0.05	-	< 0.02	< 0.03
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-23C												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
20-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
11-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	< 0.005	150	0.02	< 0.0004	< 0.03	3.7	43	< 0.025	< 0.05	< 0.015	-	0.09
25-Jan-13	< 0.005	120	0.03	< 0.0004	< 0.03	3.4	33	< 0.025	< 0.05	< 0.015	-	< 0.01
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
25-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1						
	ORGANIC PARAMETERS (DETECTED)						
GROUNDWATER	Toluene (ug/l)	Acetone (ug/l)	Carbon Disulfide (ug/l)	4-Methyl- 2-pentanone (ug/l)	Idomethane (ug/l)	m,p- Xylenes (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	5	[50]	-	-	5	-	
Monitoring Well MW-23C	ANALYSIS METHOD						
05-Feb-04	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	-	-	0.0
05-Nov-04	-	-	-	-	-	-	-
07-Apr-05	EPA 601/602	2.0	-	-	-	-	2.0
23-May-06	EPA 601/602	< 1.0	-	-	-	-	0.0
09-Aug-07	EPA 601/603	< 1.0	-	-	-	-	0.0
18-Nov-08	EPA 601/602	< 1.0	-	-	-	-	0.0
20-Feb-09	EPA 601/602	< 1.0	-	-	-	-	0.0
11-May-10	EPA 601/602	< 1.0	-	-	-	-	0.0
14-Jul-11	EPA 601/602	< 1.0	-	-	-	-	0.0
12-Oct-12	EPA 601/602	< 1.0	-	-	-	-	0.0
25-Jan-13	EPA 601/602	< 1.0	-	-	-	-	0.0
03-Apr-14	EPA 8260	< 1.0	1.9 J	-	-	-	1.9
12-Aug-15	EPA 8260	< 1.0	3.0 J	-	-	-	3.0
25-Oct-16	EPA 8260	< 1.0	3.4 J	0.41 J	-	-	3.8
09-May-17	EPA 8260	< 1.0	1.4 J	0.23 J	-	-	1.6
04-Apr-18	EPA 8260	< 1.0	1.6 J	0.41 J	-	-	2.0
09-Jul-19	EPA 8260	< 1.0	4.7 BJ	< 1.0	0.48 J	1.5 BJ	6.7
15-Dec-20	EPA 8260	< 1.0	< 5.0	2.8	< 5.0	< 5.0	2.8
03-Mar-21	EPA 8260	< 1.0	< 5.0	3.1	< 5.0	< 5.0	0.23 J
03-Aug-22	EPA 8260	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 2.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-24A</i>											
05-Feb-04	4.4	-89	8.4	819	13.0	-	390	590	1200	3	440
07-May-04	9.0	-74	7.8	1443	17.0	-	410	660	1050	3	401
05-Aug-04	18.1	-81	8.1	1328	10.0	5	410	530	830	9	86
05-Nov-04	5.5	-48	7.9	1155	3.3	-	500	560	1060	4	505
07-Apr-05	8.6	962	7.4	962	2.4	12	440	520	955	1	402
23-May-06	13.3	-80	8.2	1302	7.4	7	360	590	1230	2	329
10-Aug-07	17.7	-233	9.3	558	12.8	18	410	670	1250	4	455
19-Nov-08	11.6	-80	8.4	1113	8.4	6	400	740	905	4	368
25-Feb-09	WELL FROZEN					-	-	-	-	-	-
12-May-10	12.5	250	7.1	559	0.9	8	390	890	1000	4	458
19-Jul-11	20.2	-35	7.5	1320	255.0	125	400	690	970	4	416
16-Oct-12	13.0	96	7.0	1333	48.4	< 2	380	750	1000	4	377
23-Jan-13	WELL FROZEN					-	-	-	-	-	-
03-Apr-14	4.6	33	7.4	1220	11.8	8	400	743	926	4	378
11-Aug-15	19.3	23	7.3	1210	4.2	12	410	682	988	5	355
27-Oct-16	12.2	21	7.5	1200	5.3	10	395	654	874	6	408
09-May-17	9.2	186	7.4	1270	22.2	12	399	738	894	5	330
04-Apr-18	5.5	196	7.2	1253	4.8	13	400	733	904	6	342
10-Jul-19	16.1	86	7.2	1255	3.6	25	377	730	923	8	322
15-Dec-20	9.2	113	7.4	1210	7.5	6	363	705	912	9	345
04-Mar-21	4.5	88	7.2	1227	10.9	10	413	734	946	8	355
03-Aug-22	15.9	90	7.3	1240	7.7	2	414	649	927	9	304

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-24A</i>											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	< 0.10	-	21	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	15	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
10-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
19-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-Feb-09	WELL FROZEN		-	-	-	-	-	-	-	-	-
12-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
16-Oct-12	-	< 0.50	< 0.01	0.1	< 0.50	< 1.00	< 20	< 4	< 3	< 0.050	< 0.01
23-Jan-13	WELL FROZEN		-	-	-	-	-	-	-	-	-
03-Apr-14	< 1	0.10	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	1	< 0.005	< 0.01
11-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.07	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
27-Oct-16	< 1	0.14	< 0.01	< 1.0	0.06	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
09-May-17	< 1	0.12	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	3	< 0.005	< 0.01
04-Apr-18	< 1	0.13	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	1	< 0.005	< 0.01
10-Jul-19	< 1	0.14	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	4	< 0.005	< 0.01
15-Dec-20	< 1	0.14	< 0.01	< 1.0	0.06	< 0.20	6	< 2	< 1	< 0.005	< 0.01
04-Mar-21	< 1	0.13	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
03-Aug-22	< 1	0.12	< 0.01	< 1.0	0.05	< 0.20	5	< 2	4	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-24A</i>											
05-Feb-04	-	-	-	-	-	0.0060	120	-	-	-	0.45
07-May-04	-	-	-	-	-	< 0.0050	130	-	-	-	0.52
05-Aug-04	0.09	< 0.003	0.018	< 0.30	< 0.0050	< 0.0050	110	< 0.0500	-	0.039	0.60
05-Nov-04	-	-	-	-	-	< 0.0050	110	-	-	-	0.59
07-Apr-05	0.14	< 0.003	0.011	< 0.30	< 0.0050	< 0.0050	100	< 0.0500	-	0.150	0.39
23-May-06	0.07	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	120	< 0.0500	-	< 0.020	0.08
10-Aug-07	0.08	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	130	< 0.0500	-	< 0.020	0.22
19-Nov-08	0.13	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	140	< 0.0500	-	< 0.020	0.41
25-Feb-09	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
12-May-10	2.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	180	< 0.0500	-	< 0.020	5.10
19-Jul-11	0.06	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	130	< 0.0500	-	< 0.020	0.36
16-Oct-12	1.00	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	150	< 0.0500	-	< 0.020	0.86
23-Jan-13	WELL FROZEN	-	-	-	-	-	-	-	-	-	-
03-Apr-14	0.85	< 0.002	< 0.001	0.01	< 0.0002	< 0.0001	143	< 0.0004	< 0.0002	< 0.003	1.16
11-Aug-15	0.50	< 0.060	< 0.010	< 0.01	< 0.0030	< 0.0050	132	< 0.0100	< 0.0500	< 0.020	0.85
27-Oct-16	0.39	< 0.005	0.005	0.02	< 0.0001	< 0.0002	129	0.0007	< 0.0011	0.002	0.79
09-May-17	0.84	< 0.060	0.005	0.02	< 0.0030	< 0.0050	144	0.0008	< 0.0500	< 0.020	1.10
04-Apr-18	0.43	< 0.060	0.005	0.01	< 0.0030	< 0.0050	144	0.0016	< 0.0500	< 0.020	0.46
10-Jul-19	0.20	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	143	0.0007	< 0.0500	< 0.020	0.54
15-Dec-20	0.53	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	136	0.0006	< 0.0500	< 0.020	0.81
04-Mar-21	0.41	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	141	0.0007	0.0009	< 0.020	0.53
03-Aug-22	0.06	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	124	< 0.0100	< 0.0500	< 0.020	0.44

CITY OF AUBURN LANDFILL
WATER QUALITY DATA
LANDFILL #1

TOTAL METALS

GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-24A</i>												
05-Feb-04	0.002	72	0.03	-	-	3.5	20.0	-	-	-	-	-
07-May-04	0.003	83	0.05	-	-	3.6	22.0	-	-	-	-	-
05-Aug-04	0.005	65	0.04	< 0.00040	< 0.030	2.8	15.0	0.013	< 0.0500	< 0.003	-	0.032
05-Nov-04	0.001	70	0.04	-	-	2.7	18.0	-	-	-	-	-
07-Apr-05	< 0.001	65	0.04	< 0.00040	< 0.030	3.4	19.0	0.006	< 0.0500	< 0.003	-	0.019
23-May-06	< 0.001	72	< 0.02	< 0.00040	< 0.030	2.7	16.0	< 0.005	< 0.0500	< 0.003	-	0.011
10-Aug-07	0.010	83	0.03	< 0.00040	< 0.030	2.7	19.0	0.011	< 0.0500	< 0.003	-	0.067
19-Nov-08	< 0.003	92	0.10	< 0.00040	< 0.030	3.9	24.0	0.008	< 0.0500	< 0.003	-	0.020
25-Feb-09	WELL FROZEN											
12-May-10	< 0.005	110	0.21	< 0.00040	< 0.030	4.8	24.0	< 0.005	< 0.0500	< 0.003	-	0.063
19-Jul-11	< 0.005	87	0.05	< 0.00040	< 0.030	3.9	24.0	< 0.005	< 0.0500	< 0.003	-	0.013
16-Oct-12	< 0.005	92	0.07	< 0.00040	< 0.030	5.0	26.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
23-Jan-13	WELL FROZEN											
03-Apr-14	< 0.001	94	0.06	< 0.00002	< 0.001	3.4	23.4	0.002	< 0.0004	< 0.002	0.001	0.013
11-Aug-15	< 0.050	86	0.05	< 0.00020	< 0.040	3.5	22.4	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
27-Oct-16	< 0.002	81	0.06	< 0.00004	< 0.001	3.4	23.2	< 0.003	< 0.0005	0.002	0.002	0.021
09-May-17	< 0.050	92	0.07	< 0.00020	< 0.040	3.5	23.9	< 0.010	< 0.0100	< 0.003	0.002	0.014
04-Apr-18	< 0.050	91	0.04	< 0.00020	< 0.040	10.9	28.0	< 0.010	< 0.0100	< 0.003	< 0.050	0.029
10-Jul-19	< 0.050	91	0.06	< 0.00020	< 0.040	7.4	25.6	< 0.010	< 0.0100	0.019	< 0.050	0.017
15-Dec-20	< 0.050	89	0.04	< 0.00020	0.004	3.7	24.7	< 0.010	< 0.0100	0.009	< 0.050	0.017
04-Mar-21	< 0.005	93	0.03	< 0.00020	< 0.040	3.4	24.2	< 0.010	< 0.0100	0.010	< 0.050	0.019
03-Aug-22	< 0.005	82	0.03	< 0.00020	< 0.040	3.6	23.3	< 0.010	< 0.0100	< 0.010	< 0.050	0.007

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-24A											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-
25-Feb-09	WELL FROZEN										
12-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	WELL FROZEN										
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	-	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-24A												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
25-Feb-09	WELL FROZEN		-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	WELL FROZEN		-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1			
	ORGANIC PARAMETERS (DETECTED)			
GROUNDWATER		Toluene (ug/l)	Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	
Monitoring Well MW-24A	ANALYSIS METHOD			
05-Feb-04	-	-	-	-
07-May-04	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	0.0
05-Nov-04	-	-	-	-
07-Apr-05	EPA 601/602	6.0	-	6.0
23-May-06	EPA 601/602	< 1.0	-	0.0
10-Aug-07	EPA 601/603	< 1.0	-	0.0
19-Nov-08	EPA 601/602	< 1.0	-	0.0
25-Feb-09	WELL FROZEN	-	-	-
12-May-10	EPA 601/602	< 1.0	-	0.0
19-Jul-11	EPA 601/602	< 1.0	-	0.0
16-Oct-12	EPA 601/602	< 1.0	-	0.0
23-Jan-13	WELL FROZEN	-	-	-
03-Apr-14	EPA 8260	< 1.0	-	0.0
11-Aug-15	EPA 8260	< 1.0	-	0.0
27-Oct-16	EPA 8260	< 1.0	1.8 J	1.8
09-May-17	EPA 8260	< 1.0	< 5.0	0.0
04-Apr-18	EPA 8260	< 1.0	< 5.0	0.0
10-Jul-19	EPA 8260	< 1.0	2.4 BJ	2.4
15-Dec-20	EPA 8260	< 1.0	< 5.0	0.0
04-Mar-21	EPA 8260	< 1.0	< 5.0	0.0
03-Aug-22	EPA 8260	< 1.0	< 5.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-24C</i>											
05-Feb-04	WELL DRY		-	-	-	-	-	-	-	-	-
07-May-04	WELL DRY		-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DRY		-	-	-	-	-	-	-	-	-
04-Nov-04	WELL DRY		-	-	-	-	-	-	-	-	-
07-Apr-05	WELL DRY		-	-	-	-	-	-	-	-	-
23-May-06	WELL DRY		-	-	-	-	-	-	-	-	-
09-Aug-07	WELL DRY		-	-	-	-	-	-	-	-	-
18-Nov-08	WELL DRY		-	-	-	-	-	-	-	-	-
25-Feb-09	WELL DRY		-	-	-	-	-	-	-	-	-
12-May-10	WELL DRY		-	-	-	-	-	-	-	-	-
18-Jul-11	WELL DRY		-	-	-	-	-	-	-	-	-
15-Oct-12	WELL DRY		-	-	-	-	-	-	-	-	-
23-Jan-13	WELL DRY		-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DRY		-	-	-	-	-	-	-	-	-
11-Aug-15	WELL DRY		-	-	-	-	-	-	-	-	-
26-Oct-16	WELL DRY		-	-	-	-	-	-	-	-	-
08-May-17	WELL DRY		-	-	-	-	-	-	-	-	-
03-Apr-18	WELL DRY		-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DRY		-	-	-	-	-	-	-	-	-
14-Dec-20	WELL DRY		-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DRY		-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2.0]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well</i> MW-24C											
05-Feb-04	WELL DRY	-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DRY	-	-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DRY	-	-	-	-	-	-	-	-	-	-
04-Nov-04	WELL DRY	-	-	-	-	-	-	-	-	-	-
07-Apr-05	WELL DRY	-	-	-	-	-	-	-	-	-	-
23-May-06	WELL DRY	-	-	-	-	-	-	-	-	-	-
09-Aug-07	WELL DRY	-	-	-	-	-	-	-	-	-	-
18-Nov-08	WELL DRY	-	-	-	-	-	-	-	-	-	-
25-Feb-09	WELL DRY	-	-	-	-	-	-	-	-	-	-
12-May-10	WELL DRY	-	-	-	-	-	-	-	-	-	-
18-Jul-11	WELL DRY	-	-	-	-	-	-	-	-	-	-
15-Oct-12	WELL DRY	-	-	-	-	-	-	-	-	-	-
23-Jan-13	WELL DRY	-	-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DRY	-	-	-	-	-	-	-	-	-	-
11-Aug-15	WELL DRY	-	-	-	-	-	-	-	-	-	-
26-Oct-16	WELL DRY	-	-	-	-	-	-	-	-	-	-
08-May-17	WELL DRY	-	-	-	-	-	-	-	-	-	-
03-Apr-18	WELL DRY	-	-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DRY	-	-	-	-	-	-	-	-	-	-
14-Dec-20	WELL DRY	-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DRY	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-24C											
05-Feb-04	WELL DRY		-	-	-	-	-	-	-	-	-
07-May-04	WELL DRY		-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DRY		-	-	-	-	-	-	-	-	-
04-Nov-04	WELL DRY		-	-	-	-	-	-	-	-	-
07-Apr-05	WELL DRY		-	-	-	-	-	-	-	-	-
23-May-06	WELL DRY		-	-	-	-	-	-	-	-	-
09-Aug-07	WELL DRY		-	-	-	-	-	-	-	-	-
18-Nov-08	WELL DRY		-	-	-	-	-	-	-	-	-
25-Feb-09	WELL DRY		-	-	-	-	-	-	-	-	-
12-May-10	WELL DRY		-	-	-	-	-	-	-	-	-
18-Jul-11	WELL DRY		-	-	-	-	-	-	-	-	-
15-Oct-12	WELL DRY		-	-	-	-	-	-	-	-	-
23-Jan-13	WELL DRY		-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DRY		-	-	-	-	-	-	-	-	-
11-Aug-15	WELL DRY		-	-	-	-	-	-	-	-	-
26-Oct-16	WELL DRY		-	-	-	-	-	-	-	-	-
08-May-17	WELL DRY		-	-	-	-	-	-	-	-	-
03-Apr-18	WELL DRY		-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DRY		-	-	-	-	-	-	-	-	-
14-Dec-20	WELL DRY		-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DRY		-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-24C												
05-Feb-04	WELL DRY		-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DRY		-	-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DRY		-	-	-	-	-	-	-	-	-	-
04-Nov-04	WELL DRY		-	-	-	-	-	-	-	-	-	-
07-Apr-05	WELL DRY		-	-	-	-	-	-	-	-	-	-
23-May-06	WELL DRY		-	-	-	-	-	-	-	-	-	-
09-Aug-07	WELL DRY		-	-	-	-	-	-	-	-	-	-
18-Nov-08	WELL DRY		-	-	-	-	-	-	-	-	-	-
25-Feb-09	WELL DRY		-	-	-	-	-	-	-	-	-	-
12-May-10	WELL DRY		-	-	-	-	-	-	-	-	-	-
18-Jul-11	WELL DRY		-	-	-	-	-	-	-	-	-	-
15-Oct-12	WELL DRY		-	-	-	-	-	-	-	-	-	-
23-Jan-13	WELL DRY		-	-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DRY		-	-	-	-	-	-	-	-	-	-
11-Aug-15	WELL DRY		-	-	-	-	-	-	-	-	-	-
26-Oct-16	WELL DRY		-	-	-	-	-	-	-	-	-	-
08-May-17	WELL DRY		-	-	-	-	-	-	-	-	-	-
03-Apr-18	WELL DRY		-	-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DRY		-	-	-	-	-	-	-	-	-	-
14-Dec-20	WELL DRY		-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DRY		-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well MW-24C</i>											
05-Feb-04	WELL DRY		-	-	-	-	-	-	-	-	-
07-May-04	WELL DRY		-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DRY		-	-	-	-	-	-	-	-	-
04-Nov-04	WELL DRY		-	-	-	-	-	-	-	-	-
07-Apr-05	WELL DRY		-	-	-	-	-	-	-	-	-
23-May-06	WELL DRY		-	-	-	-	-	-	-	-	-
09-Aug-07	WELL DRY		-	-	-	-	-	-	-	-	-
18-Nov-08	WELL DRY		-	-	-	-	-	-	-	-	-
25-Feb-09	WELL DRY		-	-	-	-	-	-	-	-	-
12-May-10	WELL DRY		-	-	-	-	-	-	-	-	-
18-Jul-11	WELL DRY		-	-	-	-	-	-	-	-	-
15-Oct-12	WELL DRY		-	-	-	-	-	-	-	-	-
23-Jan-13	WELL DRY		-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DRY		-	-	-	-	-	-	-	-	-
11-Aug-15	WELL DRY		-	-	-	-	-	-	-	-	-
26-Oct-16	WELL DRY		-	-	-	-	-	-	-	-	-
08-May-17	WELL DRY		-	-	-	-	-	-	-	-	-
03-Apr-18	WELL DRY		-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DRY		-	-	-	-	-	-	-	-	-
14-Dec-20	WELL DRY		-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DRY		-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-24C												
05-Feb-04	WELL DRY		-	-	-	-	-	-	-	-	-	-
07-May-04	WELL DRY		-	-	-	-	-	-	-	-	-	-
05-Aug-04	WELL DRY		-	-	-	-	-	-	-	-	-	-
04-Nov-04	WELL DRY		-	-	-	-	-	-	-	-	-	-
07-Apr-05	WELL DRY		-	-	-	-	-	-	-	-	-	-
23-May-06	WELL DRY		-	-	-	-	-	-	-	-	-	-
09-Aug-07	WELL DRY		-	-	-	-	-	-	-	-	-	-
18-Nov-08	WELL DRY		-	-	-	-	-	-	-	-	-	-
25-Feb-09	WELL DRY		-	-	-	-	-	-	-	-	-	-
12-May-10	WELL DRY		-	-	-	-	-	-	-	-	-	-
18-Jul-11	WELL DRY		-	-	-	-	-	-	-	-	-	-
15-Oct-12	WELL DRY		-	-	-	-	-	-	-	-	-	-
23-Jan-13	WELL DRY		-	-	-	-	-	-	-	-	-	-
02-Apr-14	WELL DRY		-	-	-	-	-	-	-	-	-	-
11-Aug-15	WELL DRY		-	-	-	-	-	-	-	-	-	-
26-Oct-16	WELL DRY		-	-	-	-	-	-	-	-	-	-
08-May-17	WELL DRY		-	-	-	-	-	-	-	-	-	-
03-Apr-18	WELL DRY		-	-	-	-	-	-	-	-	-	-
10-Jul-19	WELL DRY		-	-	-	-	-	-	-	-	-	-
14-Dec-20	WELL DRY		-	-	-	-	-	-	-	-	-	-
03-Mar-21	WELL DRY		-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1		
ORGANIC PARAMETERS (DETECTED)		
GROUNDWATER		SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		
<i>Monitoring Well</i> MW-24C	ANALYSIS METHOD	
05-Feb-04	WELL DRY	-
07-May-04	WELL DRY	-
05-Aug-04	WELL DRY	-
04-Nov-04	WELL DRY	-
07-Apr-05	WELL DRY	-
23-May-06	WELL DRY	-
09-Aug-07	WELL DRY	-
18-Nov-08	WELL DRY	-
25-Feb-09	WELL DRY	-
12-May-10	WELL DRY	-
18-Jul-11	WELL DRY	-
15-Oct-12	WELL DRY	-
23-Jan-13	WELL DRY	-
02-Apr-14	WELL DRY	-
11-Aug-15	WELL DRY	-
26-Oct-16	WELL DRY	-
08-May-17	WELL DRY	-
03-Apr-18	WELL DRY	-
10-Jul-19	WELL DRY	-
14-Dec-20	WELL DRY	-
03-Mar-21	WELL DRY	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-25A</i>											
05-Feb-04	4.1	-45	7.5	785	18.0	-	420	630	1000	3	490
07-May-04	11.3	-58	7.5	1372	9.5	-	450	670	1090	2	400
05-Aug-04	15.2	-71	7.9	1395	10.0	5	440	570	945	2	95
05-Nov-04	4.8	-31	7.5	1169	2.7	-	550	540	930	3	538
07-Apr-05	13.0	-40	7.5	1121	1.1	15	440	560	938	3	417
23-May-06	12.9	35	7.9	1254	13.3	22	390	570	1230	1	355
10-Aug-07	16.3	-172	9.1	564	73.5	130	380	700	945	3	362
19-Nov-08	12.0	-71	8.3	1168	10.7	10	380	760	1000	2	379
26-Feb-09	10.3	-99	8.8	1023	11.0	10	400	710	952	2	490
12-May-10	9.7	249	6.8	593	2.1	10	380	800	1100	2	513
19-Jul-11	22.4	41	7.8	1388	33.0	25	440	780	360	4	451
16-Oct-12	12.9	88	7.0	1392	47.7	< 2	90	1800	2600	9	2220
23-Jan-13	WELL FROZEN		-	-	-	-	-	-	-	-	-
03-Apr-14	7.9	60	7.6	1280	13.1	11	470	715	983	2	407
11-Aug-15	13.8	10	7.4	1270	6.2	14	404	842	1040	< 2	430
27-Oct-16	11.1	5	7.5	1280	13.0	10	393	724	958	< 2	401
09-May-17	9.2	108	7.5	1310	7.7	15	390	761	950	2	405
04-Apr-18	7.5	312	7.1	1255	5.3	14	405	764	948	2	372
09-Jul-19	12.8	157	7.3	1295	4.5	25	380	770	989	< 2	382
15-Dec-20	10.1	164	7.4	1275	5.0	7	369	721	963	2	390
04-Mar-21	7.2	105	7.2	1294	6.1	9	425	740	967	2	383
03-Aug-22	13.9	17	7.5	1294	5.3	2	391	689	988	< 2	386

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-25A</i>											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	< 0.10	-	30	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
10-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	23	< 0.005	< 0.01
19-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
12-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
16-Oct-12	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	31	< 6	< 3	< 0.050	< 0.01
23-Jan-13	WELL FROZEN		-	-	-	-	-	-	-	-	-
03-Apr-14	< 1	0.11	< 0.01	< 1.0	< 0.05	0.31	10	< 2	< 1	< 0.005	< 0.01
11-Aug-15	< 1	< 0.20	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	1	< 0.005	< 0.01
27-Oct-16	< 1	0.17	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
09-May-17	< 1	0.15	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	3	< 0.005	< 0.01
04-Apr-18	< 1	0.15	< 0.01	< 1.0	< 0.05	< 0.20	6	< 2	< 1	< 0.005	< 0.01
09-Jul-19	< 1	0.17	< 0.01	< 1.0	< 0.05	0.31	< 5	22	< 1	< 0.005	< 0.01
15-Dec-20	< 1	0.15	< 0.01	< 1.0	< 0.05	0.48	6	< 2	< 1	< 0.005	< 0.01
04-Mar-21	< 1	0.15	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
03-Aug-22	< 1	0.16	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	4	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-25A</i>											
05-Feb-04	-	-	-	-	-	0.0070	120	-	-	-	0.15
07-May-04	-	-	-	-	-	< 0.0050	130	-	-	-	0.32
05-Aug-04	0.07	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	120	< 0.0500	-	0.064	0.14
05-Nov-04	-	-	-	-	-	< 0.0050	110	-	-	-	0.44
07-Apr-05	0.12	< 0.003	0.013	< 0.30	< 0.005	< 0.0050	110	< 0.0500	-	0.130	0.13
23-May-06	0.13	0.013	< 0.010	< 0.30	< 0.005	< 0.0050	120	< 0.0500	-	< 0.020	0.19
10-Aug-07	0.18	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	140	< 0.0500	-	< 0.020	0.25
19-Nov-08	0.22	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	150	< 0.0500	-	< 0.020	0.33
26-Feb-09	0.08	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	140	< 0.0500	-	< 0.020	0.17
12-May-10	0.10	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	160	< 0.0500	-	< 0.020	0.31
19-Jul-11	0.12	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	160	< 0.0500	-	< 0.020	0.17
16-Oct-12	0.37	< 0.015	< 0.050	< 0.30	< 0.005	< 0.0050	590	< 0.0500	-	< 0.020	1.70
23-Jan-13	WELL FROZEN		-	-	-	-	-	-	-	-	-
03-Apr-14	0.72	< 0.002	< 0.001	0.02	< 0.002	< 0.0001	142	< 0.0004	< 0.0002	< 0.003	0.82
11-Aug-15	2.09	< 0.060	< 0.010	0.03	< 0.003	< 0.0050	184	< 0.0100	< 0.0500	< 0.020	2.75
27-Oct-16	0.68	< 0.005	< 0.005	0.02	< 0.0001	0.0002	152	0.0026	< 0.0011	0.004	0.78
09-May-17	0.55	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	155	0.0009	0.0500	< 0.020	0.48
04-Apr-18	0.29	< 0.060	0.005	0.02	< 0.0030	< 0.0050	158	< 0.0100	< 0.0500	< 0.020	0.31
09-Jul-19	0.18	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	160	< 0.0100	0.0009	< 0.020	0.29
15-Dec-20	0.19	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	145	< 0.0100	< 0.0500	< 0.020	0.22
04-Mar-21	0.25	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	148	0.0001	< 0.0500	< 0.020	0.24
03-Aug-22	0.28	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	139	< 0.0100	0.0010	< 0.020	0.35

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	TI (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-25A												
05-Feb-04	< 0.001	77	< 0.020	-	-	4.2	27.0	-	-	-	-	-
07-May-04	0.002	83	< 0.020	-	-	3.5	27.0	-	-	-	-	-
05-Aug-04	0.001	68	< 0.020	0.00200	< 0.030	4.2	24.0	< 0.005	< 0.0500	< 0.003	-	0.030
05-Nov-04	0.002	65	< 0.020	-	-	2.9	22.0	-	-	-	-	-
07-Apr-05	< 0.001	67	< 0.020	< 0.00040	< 0.030	3.3	26.0	< 0.005	< 0.0500	< 0.003	-	0.040
23-May-06	< 0.001	68	< 0.020	< 0.00040	< 0.030	2.4	20.0	< 0.005	< 0.0500	0.004	-	< 0.010
10-Aug-07	0.014	83	< 0.020	< 0.00040	< 0.030	2.6	31.0	0.006	< 0.0500	< 0.003	-	0.082
19-Nov-08	< 0.003	91	< 0.020	< 0.00040	< 0.030	3.6	33.0	< 0.005	< 0.0500	< 0.003	-	0.018
26-Feb-09	< 0.003	85	< 0.020	< 0.00040	< 0.030	4.0	34.0	< 0.005	< 0.0500	< 0.003	-	0.035
12-May-10	< 0.001	95	< 0.020	< 0.00040	< 0.030	3.7	32.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
19-Jul-11	< 0.001	94	0.025	< 0.00040	< 0.030	4.7	35.0	< 0.005	< 0.0500	< 0.003	-	0.011
16-Oct-12	< 0.005	86	0.120	< 0.00040	< 0.030	6.5	120.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
23-Jan-13	WELL FROZEN											
03-Apr-14	< 0.001	87	0.033	< 0.00002	< 0.001	3.0	29.8	0.003	< 0.0004	< 0.002	0.001	0.008
11-Aug-15	< 0.050	93	0.131	< 0.00020	< 0.040	3.8	31.2	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
27-Oct-16	< 0.002	84	0.044	< 0.00004	< 0.001	3.5	31.6	< 0.003	< 0.0005	< 0.002	0.002	0.014
09-May-17	< 0.050	91	0.017	< 0.00020	< 0.040	3.1	31.1	< 0.010	< 0.0100	< 0.010	0.001	0.012
04-Apr-18	< 0.050	90	0.026	< 0.00020	< 0.040	3.2	30.7	< 0.010	< 0.0100	< 0.010	< 0.050	0.010
09-Jul-19	< 0.050	90	0.016	< 0.00020	< 0.040	3.3	31.7	< 0.010	< 0.0100	0.015	< 0.050	< 0.020
15-Dec-20	< 0.050	87	0.021	< 0.00020	0.005	3.2	31.2	< 0.010	< 0.0100	< 0.010	< 0.050	0.010
04-Mar-21	< 0.005	90	0.005	< 0.00020	< 0.040	3.1	29.4	< 0.010	< 0.0100	< 0.010	< 0.050	0.025
03-Aug-22	< 0.005	83	0.045	0.00071	< 0.040	3.1	31.6	< 0.010	< 0.0100	0.009	< 0.050	0.009

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-25A											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	WELL FROZEN		-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-25A												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	WELL FROZEN		-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1					
ORGANIC PARAMETERS (DETECTED)					
GROUNDWATER	Toluene (ug/l)	Carbon Disulfide (ug/l)	Acetone (ug/l)	Idomethane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	5	-	[50]	5	
<i>Monitoring Well</i> MW-25A	ANALYSIS METHOD				
05-Feb-04	-	-	-	-	-
07-May-04	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	0.0
05-Nov-04	-	-	-	-	-
07-Apr-05	EPA 601/602	6.0	-	-	6.0
23-May-06	EPA 601/602	< 1.0	-	-	0.0
10-Aug-07	EPA 601/603	< 1.0	-	-	0.0
19-Nov-08	EPA 601/602	< 1.0	-	-	0.0
26-Feb-09	EPA 601/602	< 1.0	-	-	0.0
12-May-10	EPA 601/602	< 1.0	-	-	0.0
19-Jul-11	EPA 601/602	< 1.0	-	-	0.0
16-Oct-12	EPA 601/602	< 1.0	-	-	0.0
23-Jan-13	WELL FROZEN	-	-	-	-
03-Apr-14	EPA 8260	< 1.0	-	-	0.0
11-Aug-15	EPA 8260	< 1.0	0.69 J	-	0.7
27-Oct-16	EPA 8260	< 1.0	0.27 J	1.6 J	1.9
09-May-17	EPA 8260	< 1.0	< 1.0	2.5 J	2.5
04-Apr-18	EPA 8260	< 1.0	< 1.0	< 5.0	0.0
09-Jul-19	EPA 8260	< 1.0	< 1.0	< 5.0	1.5 BJ
15-Dec-20	EPA 8260	< 1.0	< 1.0	< 5.0	0.0
04-Mar-21	EPA 8260	< 1.0	< 1.0	< 5.0	0.0
03-Aug-22	EPA 8260	< 1.0	< 1.0	< 5.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well</i> MW-25CC											
05-Feb-04	6.9	-36	7.4	1739	140.0	-	140	1400	2800	9	2300
07-May-04	10.9	-47	7.3	2690	60.0	-	130	1600	2890	11	512
05-Aug-04	13.2	-62	7.8	2770	32.0	5	140	1500	2850	5	586
05-Nov-04	4.1	-24	7.4	2520	10.4	-	300	1400	2820	5	3310
07-Apr-05	11.9	-50	7.7	2170	0.2	7	170	1300	2910	4	1970
23-May-06	12.5	-80	8.2	2450	12.4	5	110	1400	2970	11	1500
10-Aug-07	14.4	-278	11.0	1382	8.1	7	45	1400	2040	13	1240
19-Nov-08	10.2	-80	8.4	1667	11.0	9	34	1500	2390	6	1580
26-Feb-09	11.4	-88	8.5	1516	5.3	< 5	52	1500	2290	15	2170
12-May-10	10.5	89	8.9	1051	0.5	< 5	< 10	1500	2200	15	1850
19-Jul-11	20.3	-189	8.5	244	10.5	75	35	1300	2300	7	304
12-Oct-12	12.1	95	7.0	2639	92.1	2	380	260	1200	2	515
24-Jan-13	7.6	82	7.2	2863	121.0	< 5	100	1900	3100	13	1440
03-Apr-14	49.0	-173	8.5	2700	11.5	7	50	1640	2600	2	584
11-Aug-15	12.6	-145	8.3	2700	16.3	12	72	3500	2840	2	2020
27-Oct-16	9.4	-77	8.3	2700	13.1	5	77	1830	2670	3	1940
09-May-17	9.0	11	8.0	2900	16.5	10	82	1920	2840	2	1690
04-Apr-18	7.3	-42	7.4	2848	14.5	12	78	1840	2760	2	1790
09-Jul-19	12.1	-164	7.7	2838	6.4	17	72	1850	2770	< 2	2530
15-Dec-20	9.6	-117	8.1	2820	28.5	5	87	1800	2740	2	1910
04-Mar-21	9.2	67	7.4	2943	8.7	9	93	1870	2780	2	1970
03-Aug-22	13.0	-93	8.3	2748	12.1	1	53	1720	2750	2	1910

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-25CC</i>											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	44	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	< 0.10	-	60	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	23	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	0.99	37	12	< 3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	17	< 3	< 0.005	< 0.01
10-Aug-07	-	< 0.50	< 0.01	< 0.2	1.09	0.87	< 20	< 4	< 3	< 0.005	< 0.01
19-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	16	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	19	4	< 0.005	< 0.01
12-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	26	15	3	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.01	0.1	0.60	0.52	29	11	3	< 0.005	< 0.01
12-Oct-12	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	26	< 4	< 3	< 0.005	< 0.01
24-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	10	< 3	< 0.050	< 0.01
03-Apr-14	< 1	0.32	< 0.01	< 1.0	0.39	0.37	14	16	< 1	< 0.005	< 0.01
11-Aug-15	< 1	0.32	< 0.01	< 1.0	0.45	0.57	7	11	< 1	< 0.005	< 0.01
27-Oct-16	< 1	0.40	< 0.01	< 1.0	0.32	0.48	< 5	17	< 1	< 0.005	< 0.01
09-May-17	< 1	0.46	< 0.01	< 1.0	0.30	0.42	12	9	< 1	< 0.005	< 0.01
04-Apr-18	< 1	0.44	< 0.01	< 1.0	0.27	0.59	16	7	< 1	< 0.005	< 0.01
09-Jul-19	< 1	0.45	< 0.01	< 1.0	0.32	0.78	25	10	1	< 0.005	< 0.01
15-Dec-20	< 1	0.40	< 0.01	< 1.0	0.36	0.42	17	12	1	< 0.005	< 0.01
04-Mar-21	< 1	0.49	< 0.01	< 1.0	0.33	0.48	< 5	11	< 1	< 0.005	< 0.01
03-Aug-22	< 1	0.36	< 0.01	< 1.0	0.38	0.86	13	6	1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-25CC</i>											
05-Feb-04	-	-	-	-	-	< 0.0050	390	-	-	-	0.47
07-May-04	-	-	-	-	-	< 0.0050	430	-	-	-	0.25
05-Aug-04	0.13	< 0.0030	< 0.010	< 0.30	< 0.0050	< 0.0050	410	< 0.0500	-	0.059	0.15
05-Nov-04	-	-	-	-	-	< 0.0050	360	-	-	-	0.22
07-Apr-05	0.15	< 0.0030	< 0.010	< 0.30	< 0.0050	< 0.0050	350	< 0.0500	-	0.180	0.24
23-May-06	0.05	< 0.0030	< 0.010	< 0.30	< 0.0050	< 0.0050	410	< 0.0500	-	< 0.020	0.18
10-Aug-07	< 0.05	< 0.0030	< 0.010	< 0.30	< 0.0050	< 0.0050	560	< 0.0500	-	< 0.020	0.06
19-Nov-08	< 0.05	< 0.0030	< 0.010	< 0.30	< 0.0050	< 0.0050	460	< 0.0500	-	< 0.020	0.08
26-Feb-09	< 0.05	< 0.0030	< 0.010	< 0.30	< 0.0050	< 0.0050	430	< 0.0500	-	< 0.020	0.09
12-May-10	< 0.05	< 0.0030	< 0.010	< 0.30	< 0.0050	< 0.0050	450	< 0.0500	-	< 0.020	< 0.03
19-Jul-11	< 0.05	< 0.0030	< 0.010	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	< 0.020	0.05
12-Oct-12	0.08	< 0.0150	< 0.050	< 0.30	< 0.0050	< 0.0050	52	< 0.0500	-	< 0.020	0.28
24-Jan-13	1.10	< 0.0150	< 0.050	< 0.30	< 0.0050	< 0.0050	650	< 0.0500	-	< 0.020	1.50
03-Apr-14	0.45	< 0.0002	< 0.001	0.01	< 0.0002	< 0.0001	488	< 0.0004	< 0.0002	< 0.003	0.35
11-Aug-15	< 0.10	< 0.0600	< 0.010	< 0.02	< 0.0030	< 0.0050	1210	< 0.0100	< 0.0500	0.466	0.13
27-Oct-16	0.33	< 0.0050	< 0.005	0.01	< 0.0001	< 0.0002	544	0.0004	< 0.0011	< 0.001	0.32
09-May-17	0.20	< 0.0600	< 0.010	0.01	< 0.0030	< 0.0050	549	< 0.0100	< 0.0500	< 0.020	0.21
04-Apr-18	0.32	< 0.0600	< 0.010	0.02	< 0.0030	< 0.0050	529	< 0.0100	< 0.0500	< 0.020	0.59
09-Jul-19	0.12	< 0.0600	< 0.010	0.01	< 0.0030	< 0.0050	524	< 0.0100	< 0.0500	< 0.020	0.27
15-Dec-20	0.12	< 0.0600	< 0.010	0.01	< 0.0030	< 0.0050	511	0.0076	< 0.0500	< 0.020	0.36
04-Mar-21	0.15	< 0.0600	< 0.010	0.01	< 0.0030	< 0.0050	506	0.0011	0.0011	< 0.020	0.21
03-Aug-22	0.25	< 0.0600	< 0.010	0.01	< 0.0030	< 0.0050	505	< 0.0100	< 0.0500	< 0.020	0.30

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-25CC												
05-Feb-04	< 0.001	110	0.05	-	-	5.0	91.0	-	-	-	-	-
07-May-04	< 0.001	130	0.03	-	-	5.2	110.0	-	-	-	-	-
05-Aug-04	< 0.001	110	0.03	< 0.00040	0.053	4.8	82.0	0.024	< 0.0500	< 0.003	-	0.027
05-Nov-04	< 0.001	130	0.03	-	-	4.6	81.0	-	-	-	-	-
07-Apr-05	< 0.001	100	0.07	< 0.00040	< 0.030	4.8	88.0	0.006	< 0.0500	< 0.003	-	0.014
23-May-06	< 0.001	90	< 0.02	< 0.00040	< 0.030	5.5	89.0	< 0.005	0.0840	0.005	-	< 0.010
10-Aug-07	0.008	1	< 0.02	< 0.00040	< 0.030	7.4	78.0	< 0.005	< 0.0500	< 0.003	-	0.057
19-Nov-08	< 0.003	83	< 0.02	< 0.00040	< 0.030	6.3	120.0	< 0.005	< 0.0500	< 0.003	-	0.011
26-Feb-09	< 0.003	93	0.03	< 0.00040	< 0.030	5.6	130.0	< 0.005	< 0.0500	< 0.003	-	0.034
12-May-10	0.001	95	< 0.02	< 0.00040	< 0.030	7.2	140.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
19-Jul-11	< 0.001	95	< 0.02	< 0.00040	< 0.030	6.3	120.0	< 0.025	< 0.0500	< 0.003	-	0.012
12-Oct-12	< 0.005	31	< 0.02	< 0.00040	< 0.030	4.3	11.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
24-Jan-13	< 0.005	130	0.13	< 0.00040	< 0.030	7.0	120.0	< 0.025	< 0.0500	< 0.015	-	0.017
03-Apr-14	< 0.001	102	0.04	< 0.00002	< 0.001	4.2	108.0	< 0.002	< 0.0004	< 0.002	0.0004	< 0.005
11-Aug-15	< 0.050	115	0.08	< 0.00020	< 0.040	3.9	103.0	< 0.010	< 0.0100	< 0.010	< 0.0500	0.092
27-Oct-16	< 0.002	115	0.10	< 0.00004	< 0.001	4.7	109.0	< 0.003	< 0.0005	0.015	0.0039	0.003
09-May-17	< 0.050	133	0.09	< 0.00020	< 0.040	4.6	112.0	< 0.010	< 0.0100	0.014	0.0030	< 0.020
04-Apr-18	< 0.050	127	0.12	< 0.00020	< 0.040	5.6	111.0	< 0.010	< 0.0100	0.020	0.0033	0.030
09-Jul-19	< 0.050	131	0.13	< 0.00020	< 0.040	5.8	111.0	< 0.010	< 0.0100	0.026	0.0022	0.042
15-Dec-20	< 0.050	127	0.13	< 0.00020	0.009	4.7	108.0	< 0.010	< 0.0100	0.018	0.0017	0.055
04-Mar-21	< 0.005	147	0.11	< 0.00020	0.005	4.8	106.0	< 0.010	< 0.0100	0.016	0.0054	< 0.020
03-Aug-22	< 0.005	112	0.09	< 0.00020	0.007	4.7	105.0	< 0.010	< 0.0100	0.016	0.0020	0.017

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
	DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3	
Monitoring Well MW-25CC												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	
07-May-04	-	-	-	-	-	-	-	-	-	-	-	
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	
23-May-06	-	-	-	-	-	-	-	-	-	-	-	
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-	
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	
12-May-10	-	-	-	-	-	-	-	-	-	-	-	
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	
12-Oct-12	0.08	< 0.015	< 0.05	< 0.3	< 0.005	< 0.0050	350	< 0.05	-	< 0.02	0.09	
24-Jan-13	< 0.05	< 0.015	< 0.05	< 0.3	< 0.005	< 0.0050	510	< 0.05	-	< 0.02	< 0.03	
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-	
09-May-17	-	-	-	-	-	-	-	-	-	-	-	
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-25CC												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
19-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
12-Oct-12	< 0.005	93	0.07	< 0.0004	< 0.03	5.5	140	< 0.025	< 0.05	< 0.015	-	0.03
24-Jan-13	< 0.005	100	0.09	< 0.0004	< 0.03	6.0	130	< 0.025	< 0.05	< 0.015	-	< 0.01
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
04-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
09-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1							
ORGANIC PARAMETERS (DETECTED)							
GROUNDWATER		Toluene (ug/L)	Carbon Disulfide (ug/L)	Acetone (ug/L)	4-Methyl- 2-pentanone (ug/L)	Idomethane (ug/L)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	-	[50]	-	-	
<i>Monitoring Well</i> MW-25CC	ANALYSIS METHOD						
05-Feb-04	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	-	-	0.0
05-Nov-04	-	-	-	-	-	-	-
07-Apr-05	EPA 601/602	2.0	-	-	-	-	2.0
23-May-06	EPA 601/602	< 1.0	-	-	-	-	0.0
10-Aug-07	EPA 601/603	< 1.0	-	-	-	-	0.0
19-Nov-08	EPA 601/602	< 1.0	-	-	-	-	0.0
26-Feb-09	EPA 601/602	< 1.0	-	-	-	-	0.0
12-May-10	EPA 601/602	< 1.0	-	-	-	-	0.0
19-Jul-11	EPA 601/602	< 1.0	-	-	-	-	0.0
12-Oct-12	EPA 601/602	< 1.0	-	-	-	-	0.0
24-Jan-13	EPA 601/602	< 1.0	-	-	-	-	0.0
03-Apr-14	EPA 8260	< 1.0	1.0 J	-	-	-	1.0
11-Aug-15	EPA 8260	< 1.0	3.0 J	-	-	-	3.0
27-Oct-16	EPA 8260	< 1.0	2.9	-	-	-	2.9
09-May-17	EPA 8260	0.2	2.0	3.4 J	-	-	5.6
04-Apr-18	EPA 8260	< 1.0	9.8	2.1 J	0.73 J	-	12.6
09-Jul-19	EPA 8260	< 1.0	1.8	< 5.0	< 5.0	1.8 BJ	3.6
15-Dec-20	EPA 8260	< 1.0	1.9	< 5.0	< 5.0	< 5.0	1.9
04-Mar-21	EPA 8260	< 1.0	4.7	< 5.0	< 5.0	< 5.0	4.7
03-Aug-22	EPA 8260	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-26A</i>											
05-Feb-04	5.4	-107	8.7	595	18.0	-	360	440	730	52	160
07-May-04	13.1	-70	7.8	1043	13.0	-	270	1700	790	60	148
05-Aug-04	18.2	-67	7.8	1269	3.7	5	380	510	585	92	84
05-Nov-04	3.9	-30	7.5	1111	3.3	-	510	480	662	158	181
07-Apr-05	9.5	-40	7.5	886	5.9	15	390	430	560	148	111
23-May-06	12.8	15	7.9	1261	16.2	9	340	420	862	103	79
10-Aug-07	18.6	-98	7.8	589	33.7	130	470	570	1060	188	70
18-Nov-08	8.7	-41	7.8	1549	39.3	10	340	720	880	248	89
26-Feb-09	8.4	-91	8.6	1028	10.2	< 5	370	530	768	193	113
12-May-10	9.7	258	6.8	628	0.7	10	410	650	840	154	91
19-Jul-11	24.4	46	7.5	1642	27.1	15	460	580	1000	174	545
16-Oct-12	13.0	102	7.5	911	26.4	5	390	440	470	30	68
24-Jan-13	4.6	149	7.8	1484	7.7	< 5	450	570	1100	180	81
03-Apr-14	5.6	-16	7.3	1540	7.1	8	460	652	915	210	85
11-Aug-15	18.3	-3	7.2	1550	5.3	16	522	641	990	220	71
27-Oct-16	11.7	-13	7.2	1290	9.5	17	437	611	834	137	173
09-May-17	10.1	124	6.9	1540	2.4	15	496	630	866	183	71
05-Apr-18	7.8	208	7.2	1518	5.4	12	478	680	944	217	87
10-Jul-19	18.8	-6	7.1	1519	4.8	30	456	625	910	160	99
15-Dec-20	7.8	-15	7.3	1218	2.7	9	415	551	797	134	97
04-Mar-21	3.1	112	7.3	1495	7.5	11	512	619	886	198	69
03-Aug-22	17.1	51	7.3	1375	5.2	3	483	533	850	148	88

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-26A</i>											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	< 0.10	-	30	-	3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 6	< 4	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	4.77	< 20	< 4	< 3	< 0.005	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	3	< 0.005	< 0.01
10-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	20	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
12-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	7	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	31	< 4	5	< 0.005	< 0.01
16-Oct-12	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	26	< 4	4	< 0.050	< 0.01
24-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	6	< 0.050	< 0.01
03-Apr-14	< 1	< 0.02	< 0.01	< 1.0	< 0.05	0.22	23	< 2	9	< 0.005	< 0.01
11-Aug-15	< 1	< 0.20	< 0.01	< 1.0	< 0.05	0.60	32	< 2	11	< 0.005	< 0.01
27-Oct-16	< 1	0.06	< 0.01	< 1.0	< 0.05	0.70	35	< 2	14	< 0.005	< 0.01
09-May-17	< 1	0.04	< 0.01	< 1.0	< 0.05	0.51	24	< 2	13	< 0.005	< 0.01
05-Apr-18	< 1	0.04	< 0.01	< 1.0	< 0.05	0.32	28	< 2	9	< 0.005	< 0.01
10-Jul-19	< 1	0.05	< 0.01	< 1.0	< 0.05	0.47	28	< 2	21	< 0.005	< 0.01
15-Dec-20	< 1	0.04	< 0.01	< 1.0	< 0.05	0.32	21	< 2	8	< 0.005	< 0.01
04-Mar-21	3	0.04	< 0.01	< 1.0	< 0.05	0.30	18	< 2	8	< 0.005	< 0.01
03-Aug-22	< 1	< 0.05	< 0.01	< 1.0	< 0.05	0.63	21	< 2	12	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-26A											
05-Feb-04	-	-	-	-	-	< 0.0050	110	-	-	-	0.28
07-May-04	-	-	-	-	-	< 0.0050	470	-	-	-	0.26
05-Aug-04	0.11	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	130	< 0.0500	-	0.110	0.20
05-Nov-04	-	-	-	-	-	< 0.0050	120	-	-	-	0.22
07-Apr-05	0.23	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	110	< 0.0500	-	0.130	0.42
23-May-06	0.26	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	110	< 0.0500	-	< 0.020	0.43
10-Aug-07	0.40	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	140	< 0.0500	-	< 0.020	0.45
18-Nov-08	2.20	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	180	< 0.0500	-	< 0.020	3.10
26-Feb-09	0.11	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	130	< 0.0500	-	< 0.020	0.24
12-May-10	0.15	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	160	< 0.0500	-	< 0.020	0.29
19-Jul-11	0.06	< 0.003	< 0.010	< 0.3	< 0.0050	< 0.0050	140	< 0.0500	-	< 0.020	0.34
16-Oct-12	0.11	< 0.015	< 0.050	< 0.3	< 0.0050	< 0.0050	120	< 0.0500	-	< 0.020	0.30
24-Jan-13	0.22	< 0.015	< 0.050	< 0.3	< 0.0050	< 0.0050	140	< 0.0500	-	< 0.020	0.30
03-Apr-14	0.53	< 0.002	< 0.001	0.2	< 0.0002	< 0.0001	160	< 0.0004	< 0.0002	< 0.003	0.44
11-Aug-15	0.27	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	157	< 0.0100	< 0.0500	0.027	0.69
27-Oct-16	0.15	< 0.005	< 0.005	0.2	< 0.0001	< 0.0002	163	< 0.0003	0.0016	0.002	0.31
09-May-17	0.11	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	155	< 0.0100	0.0500	< 0.020	0.10
05-Apr-18	0.16	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	169	< 0.0100	< 0.0500	< 0.020	0.17
10-Jul-19	0.18	< 0.060	< 0.010	0.2	< 0.0030	< 0.0050	155	< 0.0100	0.0011	< 0.020	0.69
15-Dec-20	0.19	< 0.060	< 0.010	0.1	< 0.0030	< 0.0050	137	< 0.0100	0.0015	< 0.020	0.22
04-Mar-21	0.18	< 0.060	< 0.010	0.1	< 0.0030	< 0.0050	149	< 0.0100	0.0017	< 0.020	0.17
03-Aug-22	0.28	0.008	< 0.010	0.2	< 0.0030	< 0.0050	131	< 0.0100	< 0.0500	< 0.020	0.24

CITY OF AUBURN LANDFILL
WATER QUALITY DATA
LANDFILL #1

TOTAL METALS

GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-26A</i>												
05-Feb-04	0.001	41	0.04	-	-	1.6	12.0	-	-	-	-	-
07-May-04	< 0.001	130	0.05	-	-	3.7	19.0	-	-	-	-	-
05-Aug-04	< 0.001	44	0.06	< 0.00040	0.032	2.0	21.0	0.0120	< 0.0500	< 0.003	-	0.035
05-Nov-04	< 0.001	44	0.03	-	-	1.5	25.0	-	-	-	-	-
07-Apr-05	< 0.001	40	0.05	0.00080	< 0.030	1.7	30.0	0.0220	< 0.0500	< 0.003	-	0.021
23-May-06	0.001	38	0.06	< 0.00040	< 0.030	0.9	31.0	< 0.0050	< 0.0500	< 0.003	-	< 0.010
10-Aug-07	0.017	53	0.15	< 0.00040	< 0.030	1.5	62.0	< 0.0050	< 0.0500	< 0.003	-	0.130
18-Nov-08	< 0.003	67	0.11	< 0.00040	< 0.030	2.5	91.0	< 0.0050	< 0.0500	< 0.003	-	0.024
26-Feb-09	< 0.003	50	0.22	< 0.00040	< 0.030	1.3	89.0	< 0.0050	< 0.0500	< 0.003	-	0.024
12-May-10	< 0.001	59	0.14	< 0.00040	< 0.030	1.7	95.0	< 0.0050	< 0.0500	< 0.003	-	< 0.010
19-Jul-11	< 0.001	56	0.06	< 0.00040	< 0.030	2.1	100.0	< 0.0050	< 0.0500	< 0.003	-	< 0.010
16-Oct-12	< 0.005	34	0.31	< 0.00040	< 0.030	4.3	28.0	< 0.0250	< 0.0500	< 0.015	-	< 0.010
24-Jan-13	< 0.005	53	0.09	< 0.00040	< 0.030	1.7	93.0	< 0.0250	< 0.0500	< 0.015	-	< 0.010
03-Apr-14	< 0.001	61	0.13	< 0.00002	< 0.001	1.4	103.0	< 0.0002	< 0.0004	< 0.002	0.0002	0.005
11-Aug-15	< 0.050	61	0.06	< 0.00020	< 0.040	2.0	118.0	< 0.0100	< 0.0100	< 0.010	< 0.0500	< 0.020
27-Oct-16	< 0.002	50	0.42	< 0.00004	< 0.001	4.7	76.6	< 0.0033	< 0.0005	< 0.002	0.0014	0.006
09-May-17	< 0.050	59	0.18	< 0.00020	< 0.040	1.6	109.0	< 0.0100	< 0.0100	< 0.010	< 0.0500	< 0.020
05-Apr-18	< 0.050	63	0.17	< 0.00020	< 0.040	1.8	107.0	< 0.0100	< 0.0100	< 0.010	< 0.0500	< 0.020
10-Jul-19	< 0.050	58	0.13	< 0.00020	< 0.040	1.9	103.0	< 0.0100	< 0.0100	0.008	< 0.0500	< 0.020
15-Dec-20	< 0.050	51	0.20	< 0.00020	0.005	1.8	75.5	< 0.0100	< 0.0100	0.010	0.0008	< 0.020
04-Mar-21	< 0.005	60	0.18	< 0.00020	< 0.040	1.6	99.7	< 0.0100	< 0.0100	0.009	< 0.0500	< 0.020
03-Aug-22	< 0.005	50	0.07	< 0.00020	0.003	2.3	92.1	< 0.0100	< 0.0100	0.010	0.0020	0.007

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-26A											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
24-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-26A												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
24-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1							
ORGANIC PARAMETERS (DETECTED)							
GROUNDWATER		Toluene (ug/L)	Acetone (ug/L)	Carbon Disulfide (ug/l)	Chloromethane (ug/L)	4-Methyl- 2-pentanone (ug/L)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	-	5	-	
<i>Monitoring Well MW-26A</i>	ANALYSIS METHOD						
05-Feb-04	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	-	-	0.0
05-Nov-04	-	-	-	-	-	-	-
07-Apr-05	EPA 601/602	4.0	-	-	-	-	4.0
23-May-06	EPA 601/602	< 1.0	-	-	-	-	0.0
10-Aug-07	EPA 601/603	< 1.0	-	-	-	-	0.0
18-Nov-08	EPA 601/602	< 1.0	-	-	-	-	0.0
26-Feb-09	EPA 601/602	< 1.0	-	-	-	-	0.0
12-May-10	EPA 601/602	< 1.0	-	-	-	-	0.0
19-Jul-11	EPA 601/602	< 1.0	-	-	-	-	0.0
16-Oct-12	EPA 601/602	< 1.0	-	-	-	-	0.0
24-Jan-13	EPA 601/602	< 1.0	-	-	-	-	0.0
03-Apr-14	EPA 8260	< 1.0	1.4 J	-	-	-	1.4
11-Aug-15	EPA 8260	< 1.0	< 5.0	-	-	-	0.0
27-Oct-16	EPA 8260	< 1.0	3.4 J	0.22 J	0.23 J	-	3.9
09-May-17	EPA 8260	< 1.0	1.6 J	< 1.0	< 1.0	-	1.6
05-Apr-18	EPA 8260	< 1.0	< 5.0	< 1.0	< 1.0	-	0.0
10-Jul-19	EPA 8260	< 1.0	2.7 BJ	< 1.0	< 1.0	0.28 J	3.0
15-Dec-20	EPA 8260	< 1.0	< 5.0	< 1.0	< 1.0	< 5.0	0.0
04-Mar-21	EPA 8260	< 1.0	< 5.0	< 1.0	< 1.0	< 5.0	0.0
03-Aug-22	EPA 8260	< 1.0	< 5.0	< 1.0	< 1.0	0.87 J	0.9

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg. C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-26C</i>											
05-Feb-04	6.8	-109	8.7	1402	55.0	-	230	1200	2200	8	1600
07-May-04	10.5	-60	7.6	2260	45.0	-	250	1400	2280	8	1910
05-Aug-04	15.5	-75	8.0	2180	14.0	5	240	1100	2230	9	37
05-Nov-04	4.7	-30	7.5	2030	2.0	-	330	1100	2020	13	2110
07-Apr-05	9.7	-40	7.5	1608	0.6	10	270	1200	1950	10	1410
23-May-06	12.7	25	7.9	1268	15.1	12	220	840	2210	4	1070
10-Aug-07	15.8	-168	8.4	342	22.3	9	16	230	492	10	183
18-Nov-08	9.5	-53	8.0	1886	19.8	8	230	1800	2200	27	1660
26-Feb-09	10.5	-103	8.8	1361	38.8	12	200	1700	2110	7	2030
12-May-10	9.1	249	7.1	895	0.4	10	200	1800	2300	6	1650
19-Jul-11	22.8	27	7.7	1682	41.7	60	210	1200	1900	6	1300
16-Oct-12	12.8	100	7.2	2264	46.1	< 2	230	1200	2100	10	1760
24-Jan-13	7.1	148	7.6	2193	56.5	< 5	240	1400	2100	11	824
03-Apr-14	7.7	-49	7.3	2300	2614.0	12	227	3000	2230	9	1270
11-Aug-15	13.7	-80	7.3	2200	35.3	14	238	1560	2270	9	1510
27-Oct-16	11.1	-92	7.4	2300	4.1	12	229	1650	2260	10	1390
09-May-17	9.7	-41	7.3	2300	8.4	12	236	1630	2140	10	1320
05-Apr-18	6.5	-42	7.2	2250	25.1	17	236	1640	2120	11	1200
10-Jul-19	12.6	-126	7.1	2211	8.1	20	222	1520	2090	11	1230
15-Dec-20	10.9	-51	7.3	2272	7.9	6	219	1570	2040	13	1310
04-Mar-21	5.6	86	7.4	2239	46.6	14	256	1610	2040	14	1270
03-Aug-22	14.2	-120	7.4	2342	12.6	1	231	1640	2210	13	1220

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-26C</i>											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	< 0.10	-	25	-	< 3	0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	1.97	< 20	5	< 3	0.041	< 0.01
23-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
10-Aug-07	-	< 0.50	< 0.01	0.3	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
18-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	0.010	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
12-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
19-Jul-11	-	< 0.50	< 0.01	0.1	< 0.50	0.51	< 20	< 4	< 3	0.006	< 0.01
16-Oct-12	-	< 0.25	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
24-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
03-Apr-14	< 1	0.19	< 0.01	< 1.0	0.29	0.41	16	< 2	1	< 0.005	< 0.01
11-Aug-15	< 1	< 0.20	< 0.01	< 1.0	0.23	0.49	7	< 2	< 1	< 0.005	< 0.01
27-Oct-16	< 1	0.19	< 0.01	< 1.0	0.18	0.23	< 5	2	< 1	< 0.005	< 0.01
09-May-17	< 1	0.16	< 0.01	< 1.0	0.23	0.38	< 5	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.18	< 0.01	< 1.0	0.18	0.26	< 5	< 2	< 1	< 0.005	< 0.01
10-Jul-19	< 1	0.17	< 0.01	< 1.0	0.19	0.35	< 5	< 2	4	< 0.005	< 0.01
15-Dec-20	< 1	0.16	< 0.01	< 1.0	0.22	0.23	7	< 2	< 1	< 0.005	< 0.01
04-Mar-21	< 1	0.16	< 0.01	< 1.0	0.22	0.48	< 5	< 2	2	< 0.005	< 0.01
03-Aug-22	< 1	0.19	< 0.01	< 1.0	0.23	0.27	< 5	< 2	3	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-26C</i>											
05-Feb-04	-	-	-	-	-	0.0080	370	-	-	-	0.80
07-May-04	-	-	-	-	-	< 0.0050	430	-	-	-	1.40
05-Aug-04	0.16	< 0.003	0.016	< 0.30	< 0.005	< 0.0050	340	< 0.05	-	0.08	0.22
05-Nov-04	-	-	-	-	-	< 0.0050	330	-	-	-	0.54
07-Apr-05	0.18	< 0.003	0.013	< 0.30	< 0.005	< 0.0050	370	< 0.05	-	0.15	0.55
23-May-06	0.17	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	220	< 0.05	-	< 0.02	0.25
10-Aug-07	< 0.05	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	76	< 0.05	-	< 0.02	0.13
18-Nov-08	0.27	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	550	< 0.05	-	< 0.02	0.60
26-Feb-09	0.60	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	520	< 0.05	-	< 0.02	0.99
12-May-10	0.19	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	550	< 0.05	-	< 0.02	0.36
19-Jul-11	0.18	< 0.003	< 0.010	< 0.30	< 0.005	< 0.0050	330	< 0.05	-	< 0.02	0.33
16-Oct-12	2.50	< 0.015	< 0.050	< 0.30	< 0.005	< 0.0050	360	< 0.05	-	< 0.02	1.60
24-Jan-13	0.83	< 0.015	< 0.050	< 0.30	< 0.005	< 0.0050	460	< 0.05	-	< 0.02	1.20
03-Apr-14	51.10	< 0.002	< 0.045	0.16	0.001	< 0.0001	782	0.07	0.02	0.03	40.30
11-Aug-15	2.07	< 0.060	< 0.010	< 0.02	< 0.003	< 0.0050	487	< 0.01	< 0.05	< 0.02	1.91
27-Oct-16	1.06	< 0.005	0.020	0.01	< 0.0001	0.0002	525	0.001	< 0.001	0.001	1.12
09-May-17	0.54	< 0.060	0.014	0.01	< 0.0030	< 0.0050	524	< 0.010	< 0.050	< 0.020	0.77
05-Apr-18	3.66	< 0.060	0.012	0.03	< 0.0030	< 0.0050	509	0.004	< 0.050	< 0.020	3.21
10-Jul-19	0.73	0.006	0.012	0.01	< 0.0030	< 0.0050	475	0.001	< 0.050	< 0.020	0.70
15-Dec-20	0.31	< 0.060	0.015	0.01	< 0.0030	< 0.0050	499	< 0.001	< 0.050	< 0.020	0.54
04-Mar-21	6.06	< 0.060	0.027	0.03	0.0002	< 0.0050	504	0.008	0.003	< 0.020	4.73
03-Aug-22	1.48	< 0.060	0.007	0.01	< 0.0030	< 0.0050	517	< 0.010	< 0.050	< 0.020	1.66

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-26C												
05-Feb-04	< 0.001	64	0.05	-	-	3.2	17.0	-	-	-	-	-
07-May-04	< 0.001	80	0.07	-	-	3.2	21.0	-	-	-	-	-
05-Aug-04	< 0.001	55	0.02	< 0.00040	< 0.030	2.8	15.0	0.009	< 0.0500	< 0.003	-	0.021
05-Nov-04	< 0.001	62	0.03	-	-	3.0	15.0	-	-	-	-	-
07-Apr-05	< 0.001	63	0.04	< 0.00040	< 0.030	3.8	16.0	0.007	< 0.0500	< 0.003	-	< 0.010
23-May-06	< 0.001	71	0.09	< 0.00040	< 0.030	2.2	15.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
10-Aug-07	0.014	10	< 0.02	< 0.00040	< 0.030	3.5	16.0	< 0.005	< 0.0500	< 0.003	-	< 0.087
18-Nov-08	< 0.003	96	0.05	< 0.00040	< 0.030	4.8	22.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
26-Feb-09	< 0.003	87	0.07	< 0.00040	< 0.030	3.1	21.0	< 0.005	< 0.0500	< 0.003	-	0.011
12-May-10	< 0.001	100	0.10	< 0.00040	< 0.030	3.5	23.0	< 0.005	< 0.0500	< 0.003	-	0.036
19-Jul-11	< 0.001	91	0.12	< 0.00040	< 0.030	2.9	20.0	< 0.005	< 0.0500	< 0.003	-	< 0.010
16-Oct-12	< 0.005	65	< 0.10	< 0.00040	< 0.030	1.4	12.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
24-Jan-13	< 0.005	70	0.04	< 0.00040	< 0.030	2.5	16.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
03-Apr-14	0.016	256	0.76	0.00005	0.045	19.0	19.9	0.006	< 0.0004	< 0.002	0.073	0.084
11-Aug-15	< 0.050	83	0.06	< 0.00020	< 0.040	3.1	16.9	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.020
27-Oct-16	< 0.002	81	0.04	< 0.00004	< 0.001	2.7	18.5	< 0.003	< 0.0005	0.013	0.003	0.007
09-May-17	< 0.050	78	0.05	< 0.00020	< 0.040	2.4	18.3	< 0.010	< 0.0100	0.014	0.001	< 0.020
05-Apr-18	< 0.050	89	0.09	< 0.00020	< 0.040	4.0	18.8	< 0.010	< 0.0100	0.014	0.006	< 0.020
10-Jul-19	< 0.050	80	0.06	< 0.00020	< 0.040	3.0	18.7	< 0.010	< 0.0100	0.025	< 0.050	< 0.020
15-Dec-20	< 0.050	79	0.04	< 0.00020	0.003	2.2	17.8	< 0.010	< 0.0100	0.019	< 0.050	< 0.020
04-Mar-21	< 0.005	84	0.11	< 0.00020	< 0.040	4.8	17.5	< 0.010	< 0.0100	0.016	0.009	0.016
03-Aug-22	< 0.005	86	0.08	0.00011	< 0.040	2.9	17.9	< 0.010	< 0.0100	0.020	0.001	0.007

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-26C											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
24-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	0.06	< 0.002	0.004	0.01	0.0002	< 0.0001	446	0.0004	0.0002	0.003	0.25
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-26C												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
23-May-06	-	-	-	-	-	-	-	-	-	-	-	-
10-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
18-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
12-May-10	-	-	-	-	-	-	-	-	-	-	-	-
19-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
24-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-14	0.001	81	0.02	< 0.00002	< 0.001	2.5	17.6	0.003	< 0.0004	< 0.002	< 0.0002	0.005
11-Aug-15	-	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
10-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
15-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
03-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
	ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER		Toluene (ug/L)	Acetone (ug/l)	Carbon Disulfide (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	-	
Monitoring Well MW-26C	ANALYSIS METHOD				
05-Feb-04	-	-	-	-	-
07-May-04	-	-	-	-	-
05-Aug-04	EPA 601/602	< 1.0	-	-	0.0
05-Nov-04	-	-	-	-	-
07-Apr-05	EPA 601/602	5.0	-	-	5.0
23-May-06	EPA 601/602	< 1.0	-	-	0.0
10-Aug-07	EPA 601/603	< 1.0	-	-	0.0
18-Nov-08	EPA 601/602	< 1.0	-	-	0.0
26-Feb-09	EPA 601/602	< 1.0	-	-	0.0
12-May-10	EPA 601/602	< 1.0	-	-	0.0
19-Jul-11	EPA 601/602	< 1.0	-	-	0.0
16-Oct-12	EPA 601/602	< 1.0	-	-	0.0
24-Jan-13	EPA 601/602	< 1.0	-	-	0.0
03-Apr-14	EPA 8260	< 1.0	-	-	0.0
11-Aug-15	EPA 8260	< 1.0	1.5 J	0.39 J	1.9
27-Oct-16	EPA 8260	< 1.0	1.8 J	< 1.0	1.8
09-May-17	EPA 8260	< 1.0	< 5.0	< 1.0	0.0
05-Apr-18	EPA 8260	< 1.0	< 5.0	0.26 J	0.3
10-Jul-19	EPA 8260	< 1.0	3.1 BJ	0.83 J	3.9
15-Dec-20	EPA 8260	< 1.0	< 5.0	< 5.0	0.0
04-Mar-21	EPA 8260	< 1.0	< 5.0	< 1.0	0.0
03-Aug-22	EPA 8260	< 1.0	< 5.0	< 1.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO3)	HARD. (mg/L CaCO3)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-28A</i>											
05-Feb-04	2.5	-104	8.6	1216	23.0	-	150	1100	2100	2	1500
07-May-04	11.1	-81	7.9	2130	12.0	-	170	1100	1760	2	1570
05-Aug-04	16.8	-84	8.2	2090	12.0	5	160	1200	2160	6	1530
05-Nov-04	6.2	-60	8.1	1703	3.3	-	300	1100	1990	5	1850
07-Apr-05	10.0	-50	7.6	1601	1.4	10	140	1200	1910	3	1210
25-May-06	16.2	40	8.0	1553	4.1	5	150	1200	2210	3	1120
09-Aug-07	19.3	-74	7.3	814	5.3	90	140	1300	2070	3	1420
20-Nov-08	11.1	-71	8.3	1567	10.1	6	140	1500	2020	3	1240
26-Feb-09	11.1	-112	9.0	1361	12.8	< 5	140	1400	1950	3	1470
13-May-10	13.8	234	7.3	864	0.9	8	130	1500	2100	3	527
20-Sep-11	17.6	-32	7.7	2171	10.9	8	140	1500	2100	3	942
16-Oct-12	15.3	93	6.9	2154	32.9	< 2	150	1300	2200	3	1670
23-Jan-13	4.9	139	7.2	2164	16.5	< 5	150	1500	2100	3	1210
02-Apr-14	10.2	56	7.4	2100	14.1	9	151	1510	1960	3	1350
17-Sep-15	16.7	175	8.0	220	1.9	9	151	1520	2060	3	1280
26-Oct-16	12.7	91	7.6	2200	18.7	15	146	1510	2040	3	1260
09-May-17	10.7	58	7.4	2200	7.1	12	147	1530	2020	3	1310
05-Apr-18	5.5	22	7.1	2105	14.8	17	< 2	1490	2020	3	1210
11-Jul-19	15.6	17	7.4	2136	4.1	27	< 134	1470	1980	3	1200
17-Dec-20	10.8	139	7.4	1925	12.8	4	134	1490	1940	3	1300
03-Mar-21	5.1	49	7.5	2167	4.9	10	151	1530	1960	3	1290
05-Aug-22	19.1	74	7.4	2160	6.6	4	148	1460	2010	3	1210

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-28A</i>											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	0.32	-	< 20	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	4	< 3	< 0.005	< 0.01
09-Aug-07	-	0.20	< 0.01	< 0.2	< 0.50	< 0.50	21	< 4	5	< 0.005	< 0.01
20-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
13-May-10	-	< 0.50	< 0.01	0.4	< 0.50	< 0.50	< 20	4	< 3	< 0.005	< 0.01
20-Sep-11	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	0.060	< 0.01
16-Oct-12	-	< 0.01	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
23-Jan-13	-	< 0.01	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
02-Apr-14	< 1	0.10	< 0.01	< 1.0	< 0.08	< 0.02	9	< 2	< 1	< 0.005	< 0.01
17-Sep-15	< 1	0.16	< 0.01	< 1.0	0.06	0.23	6	2	2	< 0.005	< 0.01
26-Oct-16	< 1	0.13	< 0.01	< 1.0	0.08	0.28	< 5	< 2	1	< 0.005	< 0.01
09-May-17	< 1	0.14	< 0.01	< 1.0	0.07	0.29	5	< 2	1	< 0.005	< 0.01
05-Apr-18	< 1	0.14	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
11-Jul-19	< 1	0.14	< 0.01	< 1.0	0.08	0.48	< 5	< 2	2	< 0.005	< 0.01
17-Dec-20	< 1	0.13	< 0.01	< 1.0	0.09	< 0.02	< 5	< 2	< 1	< 0.005	< 0.01
03-Mar-21	< 1	0.14	< 0.01	< 1.0	0.08	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
05-Aug-22	< 1	0.13	< 0.01	< 1.0	0.10	0.43	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-28A											
05-Feb-04	-	-	-	-	-	< 0.0050	330	-	-	-	0.44
07-May-04	-	-	-	-	-	< 0.0050	330	-	-	-	0.39
05-Aug-04	0.19	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	360	< 0.0500	-	0.061	0.48
05-Nov-04	-	-	-	-	-	< 0.0050	330	-	-	-	0.46
07-Apr-05	0.26	< 0.003	0.013	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	0.062	0.40
25-May-06	0.06	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	< 0.020	0.19
09-Aug-07	0.10	< 0.003	0.004	< 0.30	< 0.0050	< 0.0050	390	< 0.0500	-	0.038	0.30
20-Nov-08	0.16	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	460	< 0.0500	-	< 0.020	0.52
26-Feb-09	0.06	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	410	< 0.0500	-	< 0.020	0.15
13-May-10	0.14	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	460	< 0.0500	-	< 0.020	0.49
20-Sep-11	0.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	450	< 0.0500	-	< 0.020	0.35
16-Oct-12	0.71	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	400	< 0.0500	-	< 0.020	0.97
23-Jan-13	0.34	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	430	< 0.0500	-	< 0.020	0.61
02-Apr-14	2.31	< 0.002	< 0.001	0.03	< 0.0002	< 0.0004	445	< 0.0004	< 0.0002	0.004	2.41
17-Sep-15	0.02	< 0.001	< 0.002	0.01	< 0.0001	< 0.0001	453	< 0.0002	< 0.0004	0.007	0.14
26-Oct-16	0.92	< 0.005	< 0.005	0.02	< 0.0001	< 0.0002	453	0.0010	< 0.0011	0.002	1.07
09-May-17	0.83	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	458	0.0006	< 0.0500	< 0.020	0.74
05-Apr-18	0.99	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	439	< 0.0100	< 0.0500	< 0.020	0.98
11-Jul-19	0.21	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	432	< 0.0100	< 0.0500	< 0.020	0.24
17-Dec-20	0.16	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	446	< 0.0100	< 0.0500	< 0.020	0.38
03-Mar-21	0.12	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	454	< 0.0100	< 0.0500	< 0.020	0.23
05-Aug-22	0.23	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	432	< 0.0100	< 0.0500	< 0.020	0.40

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-28A</i>												
05-Feb-04	< 0.001	68	0.15	-	-	2.5	5.6	-	-	-	-	-
07-May-04	< 0.001	73	0.14	-	-	6.7	7.9	-	-	-	-	-
05-Aug-04	< 0.001	72	0.23	< 0.00040	0.047	2.7	5.8	0.019	< 0.0500	< 0.003	-	0.035
05-Nov-04	< 0.001	72	0.16	-	-	3.2	4.9	-	-	-	-	-
07-Apr-05	< 0.001	76	0.18	< 0.00040	0.043	3.0	4.4	0.019	< 0.0500	< 0.003	-	0.047
25-May-06	< 0.001	74	0.06	< 0.00040	< 0.030	1.7	4.3	< 0.005	< 0.0500	0.007	-	0.012
09-Aug-07	< 0.003	82	0.04	< 0.00040	< 0.030	1.7	4.5	0.006	< 0.0500	< 0.003	-	0.042
20-Nov-08	< 0.003	92	0.26	< 0.00040	< 0.030	2.3	5.9	< 0.005	< 0.0500	< 0.003	-	0.027
26-Feb-09	< 0.003	86	0.18	< 0.00040	< 0.030	1.8	5.4	< 0.005	< 0.0500	< 0.003	-	0.026
13-May-10	0.001	94	0.09	< 0.00040	< 0.030	4.5	6.0	< 0.005	< 0.0500	< 0.003	-	0.320
20-Sep-11	< 0.001	91	0.20	< 0.00040	< 0.030	2.3	5.5	< 0.005	< 0.0500	< 0.003	-	0.047
16-Oct-12	< 0.005	85	0.17	< 0.00040	< 0.030	4.1	5.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
23-Jan-13	< 0.005	89	0.15	< 0.00040	< 0.030	2.0	5.7	< 0.025	< 0.0500	< 0.015	-	0.030
02-Apr-14	< 0.001	98	0.19	< 0.00002	< 0.002	2.8	5.0	0.003	< 0.0004	< 0.002	0.004	0.023
17-Sep-15	< 0.001	95	0.15	0.00007	< 0.001	1.9	5.3	0.004	0.0040	< 0.002	< 0.0005	< 0.006
26-Oct-16	< 0.002	93	0.27	< 0.00004	< 0.001	2.4	5.6	< 0.003	< 0.0005	0.012	0.0027	0.010
09-May-17	< 0.050	95	0.14	< 0.00020	< 0.040	2.1	5.4	< 0.010	< 0.0100	0.013	0.0020	< 0.020
05-Apr-18	< 0.050	95	0.15	< 0.00020	< 0.040	2.3	6.3	< 0.010	< 0.0100	0.012	< 0.0500	< 0.020
11-Jul-19	< 0.005	94	0.16	< 0.00020	< 0.040	2.0	5.7	< 0.010	< 0.0100	0.017	< 0.0500	0.036
17-Dec-20	< 0.005	91	0.14	< 0.00020	< 0.040	1.7	4.8	< 0.010	< 0.0100	0.014	< 0.0500	0.014
03-Mar-21	< 0.050	95	0.16	< 0.00020	< 0.040	1.8	5.2	< 0.010	< 0.0100	0.013	< 0.0500	< 0.020
05-Aug-22	< 0.050	92	0.13	< 0.00020	< 0.040	1.8	4.9	< 0.010	< 0.0100	0.008	< 0.0500	0.022

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-28A											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-
20-Sep-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	-	-	-	-	-	-	-	-	-	-	-
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-28A												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-	-
20-Sep-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	-	-	-	-	-	-	-	-	-	-	-	-
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1					
	ORGANIC PARAMETERS (DETECTED)					
GROUNDWATER	Toluene (ug/L)	Acetone (ug/L)	Carbon Disulfide (ug/L)	Chloro- methane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)	
6NYCRR Part 703 GROUNDWATER STANDARD	5	[50]	-	5		
Monitoring Well MW-28A	ANALYSIS METHOD					
05-Feb-04	-	-	-	-	-	
07-May-04	-	-	-	-	-	
05-Aug-04	EPA 601/602	<1.0	-	-	0.0	
05-Nov-04	-	-	-	-	-	
07-Apr-05	EPA 601/602	6.0	-	-	6.0	
25-May-06	EPA 601/602	<1.0	-	-	0.0	
09-Aug-07	EPA 601/602	<1.0	-	-	0.0	
20-Nov-08	EPA 601/602	<1.0	-	-	0.0	
26-Feb-09	EPA 601/602	<1.0	-	-	0.0	
13-May-10	EPA 601/602	<1.0	-	-	0.0	
20-Sep-11	EPA 601/602	<1.0	-	-	0.0	
16-Oct-12	EPA 601/602	<1.0	-	-	0.0	
23-Jan-13	EPA 601/602	<1.0	-	-	0.0	
02-Apr-14	EPA 8260	<1.0	1.4 J	0.3 J	-	1.7
17-Sep-15	EPA 8260	<1.0	<5.0	<1.0	0.23 J	0.2
26-Oct-16	EPA 8260	<1.0	1.4 J	<1.0	<1.0	1.4
09-May-17	EPA 8260	<1.0	<5.0	<1.0	<1.0	0.0
05-Apr-18	EPA 8260	<1.0	<5.0	0.23 J	<1.0	0.2
11-Jul-19	EPA 8260	<1.0	2.5 BJ	0.23 J	<1.0	2.5
17-Dec-20	EPA 8260	<1.0	<5.0	<1.0	<1.0	0.0
03-Mar-21	EPA 8260	<1.0	<5.0	<1.0	<1.0	0.0
05-Aug-22	EPA 8260	<1.0	<5.0	<1.0	<1.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-28B</i>											
05-Feb-04	1.7	-80	8.2	543	60.0	-	210	400	730	3	370
07-May-04	9.4	-83	8.0	824	21.0	-	220	290	500	2	151
05-Aug-04	17.0	-89	8.3	1048	15.0	5	200	480	718	16	383
05-Nov-04	6.0	-61	8.1	946	8.1	-	270	540	785	5	70
07-Apr-05	9.6	-55	7.8	259	8.2	20	280	320	347	4	86
25-May-06	16.3	45	8.1	674	10.8	7	180	230	665	2	201
09-Aug-07	20.6	-69	7.2	429	26.4	100	230	270	552	3	128
20-Nov-08	12.4	-72	8.3	1105	15.1	15	160	910	1140	3	629
26-Feb-09	10.6	-127	9.3	759	33.5	12	210	360	480	3	139
13-May-10	13.5	231	7.3	397	1.2	8	180	480	840	3	402
20-Sep-11	17.3	23	7.6	1515	115.0	7	150	1000	1700	4	858
16-Oct-12	16.5	90	6.9	1765	48.6	2	160	1200	1600	3	1380
23-Jan-13	4.6	139	7.3	1497	233.0	< 5	180	910	1300	3	510
02-Apr-14	6.1	164	7.8	580	22.2	12	214	332	418	3	143
17-Sep-15	16.1	134	7.6	1470	3.9	12	166	955	1460	3	882
26-Oct-16	12.7	83	7.5	1870	4.7	25	145	1160	2140	3	1000
09-May-17	10.2	114	7.8	620	14.7	20	214	305	434	3	169
05-Apr-18	7.8	70	7.5	601	21.7	90	206	341	2160	3	1330
11-Jul-19	13.3	52	7.4	629	13.5	26	186	365	657	3	278
17-Dec-20	10.7	152	7.3	2175	7.0	7	126	1260	1660	4	1080
03-Mar-21	7.3	67	7.5	1696	9.6	11	159	1090	1420	3	895
05-Aug-22	14.9	95	7.5	1699	-	3	144	1060	1590	4	938

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well</i> MW-28B											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	0.32	-	< 20	-	< 3	< 0.005	-
05-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	0.008	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
09-Aug-07	-	< 0.50	< 0.01	1.0	< 0.50	0.54	< 20	< 4	< 3	< 0.005	< 0.01
20-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
13-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
20-Sep-11	-	< 0.50	< 0.01	0.2	< 0.50	0.64	< 20	< 4	< 3	< 0.005	< 0.01
16-Oct-12	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
23-Jan-13	-	< 0.50	< 0.01	0.7	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
02-Apr-14	< 1	< 0.02	< 0.01	< 1.0	0.09	0.33	12	< 2	2	< 0.005	< 0.01
17-Sep-15	< 1	0.13	< 0.01	< 1.0	< 0.05	0.27	7	< 2	1	< 0.005	< 0.01
26-Oct-16	< 1	0.13	< 0.01	< 1.0	0.11	0.56	< 5	< 2	1	< 0.005	< 0.01
09-May-17	< 1	0.03	< 0.01	< 1.0	< 0.05	0.21	< 5	< 2	1	< 0.005	< 0.01
05-Apr-18	< 1	0.04	< 0.05	< 1.0	< 0.05	< 0.20	< 5	< 2	1	< 0.005	< 0.01
11-Jul-19	< 1	0.04	< 0.01	< 1.0	< 0.05	0.55	< 5	< 2	2	< 0.005	< 0.01
17-Dec-20	< 1	0.14	< 0.01	< 1.0	0.06	< 0.20	5	< 2	< 1	< 0.005	< 0.01
03-Mar-21	< 1	0.12	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
05-Aug-22	< 1	0.12	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-28B											
05-Feb-04	-	-	-	-	-	< 0.0050	110	-	-	-	0.50
07-May-04	-	-	-	-	-	< 0.0050	80	-	-	-	0.37
05-Aug-04	0.18	< 0.003	0.013	< 0.30	< 0.0050	< 0.0050	140	< 0.0500	-	0.049	0.23
05-Nov-04	-	-	-	-	-	< 0.0050	150	-	-	-	1.00
07-Apr-05	0.47	< 0.003	0.020	< 0.30	< 0.0050	< 0.0050	90	< 0.0500	-	0.049	0.64
25-May-06	0.24	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	65	< 0.0500	-	< 0.020	0.32
09-Aug-07	0.21	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	78	< 0.0500	-	0.036	0.36
20-Nov-08	0.32	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	270	< 0.0500	-	< 0.020	0.60
26-Feb-09	0.36	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	100	< 0.0500	-	< 0.020	0.69
13-May-10	0.15	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	140	< 0.0500	-	< 0.020	0.34
20-Sep-11	0.28	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	290	< 0.0500	-	< 0.020	0.47
16-Oct-12	0.54	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	340	< 0.0500	-	< 0.020	1.60
23-Jan-13	0.20	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	270	< 0.0500	-	< 0.020	0.33
02-Apr-14	4.47	< 0.002	< 0.001	< 0.15	< 0.0006	< 0.0004	95	< 0.0041	0.0009	0.009	3.86
17-Sep-15	0.55	< 0.001	< 0.002	0.04	< 0.0001	< 0.0001	282	< 0.0002	0.0009	0.006	0.63
26-Oct-16	0.20	< 0.005	< 0.005	0.03	< 0.0001	< 0.0002	349	< 0.0003	< 0.0011	0.001	0.23
09-May-17	0.82	< 0.060	< 0.010	0.07	< 0.0030	< 0.0050	88	< 0.0010	< 0.0500	< 0.020	0.67
05-Apr-18	2.05	< 0.060	0.005	0.07	< 0.0030	< 0.0050	99	0.0023	< 0.0500	< 0.020	1.52
11-Jul-19	0.69	< 0.060	< 0.010	0.06	< 0.0030	< 0.0050	107	0.0011	< 0.0500	< 0.020	0.58
17-Dec-20	0.58	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	377	< 0.0100	0.0014	< 0.020	0.57
03-Mar-21	0.26	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	321	< 0.0100	< 0.0500	< 0.020	0.29
05-Aug-22	0.31	< 0.060	< 0.010	0.03	< 0.0030	< 0.0050	314	< 0.0100	< 0.0500	< 0.020	0.30

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-28B												
05-Feb-04	0.002	28	0.04	-	-	2.7	17.0	-	-	-	-	-
07-May-04	< 0.001	22	0.02	-	-	1.8	11.0	-	-	-	-	-
05-Aug-04	< 0.001	32	0.03	< 0.00040	< 0.030	2.7	9.8	0.009	< 0.0500	< 0.003	-	0.027
05-Nov-04	0.002	38	0.09	-	-	4.0	8.6	-	-	-	-	-
07-Apr-05	< 0.001	23	0.02	< 0.00040	< 0.030	3.7	4.8	< 0.005	< 0.0500	< 0.003	-	0.067
25-May-06	< 0.001	15	< 0.02	< 0.00040	< 0.030	2.1	11.0	< 0.005	< 0.0500	0.005	-	< 0.010
09-Aug-07	< 0.003	18	0.07	< 0.00040	< 0.030	3.6	4.6	< 0.005	< 0.0500	< 0.003	-	0.100
20-Nov-08	< 0.003	59	0.34	< 0.00040	< 0.030	3.8	10.0	< 0.005	< 0.0500	< 0.003	-	0.130
26-Feb-09	< 0.003	25	0.03	< 0.00040	< 0.030	2.3	4.0	< 0.005	< 0.0500	< 0.003	-	0.029
13-May-10	< 0.001	32	0.05	< 0.00040	< 0.030	2.7	4.0	< 0.005	< 0.0500	< 0.003	-	0.080
20-Sep-11	< 0.001	65	0.22	< 0.00040	< 0.030	3.3	12.0	< 0.005	< 0.0500	< 0.003	-	0.020
16-Oct-12	< 0.005	75	0.57	< 0.00040	< 0.030	2.6	13.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
23-Jan-13	< 0.005	59	0.36	< 0.00040	< 0.030	2.9	11.0	< 0.025	< 0.0500	< 0.015	-	< 0.025
02-Apr-14	< 0.001	23	0.09	< 0.00002	0.003	4.3	10.9	0.004	0.0004	0.002	0.008	0.046
17-Sep-15	< 0.001	61	0.21	0.00007	0.002	3.0	14.6	< 0.004	0.0034	< 0.002	< 0.0005	< 0.006
26-Oct-16	< 0.002	71	0.20	< 0.00004	< 0.001	3.0	14.5	< 0.003	< 0.0005	0.007	0.0013	0.004
09-May-17	< 0.050	20	0.02	< 0.00020	< 0.040	3.1	18.3	< 0.010	< 0.0100	< 0.010	0.0020	0.014
05-Apr-18	< 0.050	23	0.03	< 0.00020	< 0.040	3.1	11.4	< 0.010	< 0.0100	< 0.010	0.0033	0.012
11-Jul-19	< 0.005	24	0.02	< 0.00020	< 0.040	2.8	14.6	< 0.010	< 0.0100	< 0.010	< 0.0500	< 0.020
17-Dec-20	< 0.005	78	0.13	< 0.00020	< 0.040	2.9	15.0	< 0.010	< 0.0100	0.009	< 0.0500	0.014
03-Mar-21	< 0.050	70	0.02	< 0.00020	< 0.040	2.5	13.2	< 0.010	< 0.0100	< 0.010	< 0.0500	0.023
05-Aug-22	< 0.050	67	0.06	< 0.00020	< 0.040	2.7	15.0	< 0.010	< 0.0100	0.007	< 0.0500	0.026

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-28B											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-
20-Sep-11	< 0.050	< 0.003	< 0.003	< 0.30	< 0.0050	< 0.0050	310	< 0.050	-	< 0.020	< 0.030
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	-	-	-	-	-	-	-	-	-	-	-
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-28B												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
09-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-	-
20-Sep-11	< 0.001	68	0.21	< 0.0004	< 0.030	3.00	13.0	< 0.005	< 0.0500	< 0.003	-	0.039
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	-	-	-	-	-	-	-	-	-	-	-	-
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1							
ORGANIC PARAMETERS (DETECTED)							
GROUNDWATER		Toluene (ug/L)	Chloro- methane (ug/L)	Carbon Disulfide (ug/l)	4-Methyl- 2-pentanone (ug/l)	Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	5	-	-	[50]	
<i>Monitoring Well</i> MW-28B	ANALYSIS MEHTOD						
05-Feb-04	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-
05-Aug-04	EPA 601/602	<1.0	<1.0	-	-	-	0.0
05-Nov-04	-	-	-	-	-	-	-
07-Apr-05	EPA 601/602	4.0	1.0	-	-	-	5.0
25-May-06	EPA 601/602	<1.0	<1.0	-	-	-	0.0
09-Aug-07	EPA 601/602	<1.0	<1.0	-	-	-	0.0
20-Nov-08	EPA 601/602	<1.0	<1.0	-	-	-	0.0
26-Feb-09	EPA 601/602	<1.0	<1.0	-	-	-	0.0
13-May-10	EPA 601/602	<1.0	<1.0	-	-	-	0.0
20-Sep-11	EPA 601/602	<1.0	<1.0	-	-	-	0.0
16-Oct-12	EPA 601/602	<1.0	<1.0	-	-	-	0.0
23-Jan-13	EPA 601/602	<1.0	<1.0	-	-	-	0.0
02-Apr-14	EPA 8260	<1.0	<1.0	-	-	-	0.0
17-Sep-15	EPA 8260	<1.0	<1.0	1.6	-	-	1.6
26-Oct-16	EPA 8260	<1.0	<1.0	0.42 J	1.4 J	6.4	8.2
09-May-17	EPA 8260	<1.0	<1.0	<1.0	<5.0	1.7 J	1.7
05-Apr-18	EPA 8260	<1.0	<1.0	0.23 J	<5.0	2.1 J	2.3
11-Jul-19	EPA 8260	<1.0	<1.0	<1.0	<5.0	<5.0	0.0
17-Dec-20	EPA 8260	<1.0	<1.0	<1.0	<5.0	<5.0	0.0
03-Mar-21	EPA 8260	<1.0	<1.0	<1.0	<5.0	<5.0	0.0
05-Aug-22	EPA 8260	<1.0	<1.0	<1.0	<5.0	<5.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-29A</i>											
05-Feb-04	3.1	-78	8.2	1216	10.0	-	160	1300	2100	6	1900
07-May-04	11.8	-74	7.8	2240	1.5	-	180	1200	2270	5	1740
12-Aug-04	9.3	-90	8.3	2230	8.0	5	160	1200	2320	10	1500
05-Nov-04	3.6	-55	8.0	2040	7.4	-	310	1200	2190	6	3020
07-Apr-05	11.9	-40	7.5	1749	0.3	8	150	1300	1990	6	1220
25-May-06	16.4	-60	8.2	1928	2.4	6	160	1200	2370	7	1220
15-Aug-07	14.7	-67	7.2	518	30.4	95	150	1700	2090	6	9
20-Nov-08	10.6	-73	8.3	1683	5.3	10	150	1600	2180	6	1210
26-Feb-09	11.7	-115	9.0	559	2.1	8	150	1600	2100	6	1840
13-May-10	12.2	254	7.0	916	0.9	8	140	1700	2200	6	2660
20-Sep-11	17.5	-22	7.8	2260	5.5	6	160	1600	2500	7	996
16-Oct-12	12.7	107	7.3	2298	17.7	< 2	160	1700	2200	6	1510
23-Jan-13	3.9	156	7.0	2289	5.0	< 5	160	1600	2300	7	1270
02-Apr-14	9.7	-88	7.3	2000	2.4	6	157	1560	2190	7	1430
17-Sep-15	14.5	-59	7.3	700	2.5	13	162	1640	2150	7	1390
26-Oct-16	9.7	-45	7.3	2400	1.1	7	155	1540	2160	8	1350
09-May-17	9.7	-14	7.4	2400	4.5	5	163	1670	2140	7	1410
05-Apr-18	7.4	-54	7.1	2286	1.5	9	155	1620	2160	7	1280
11-Jul-19	11.8	-163	7.1	2272	0.8	30	145	1610	2150	7	1240
17-Dec-20	10.2	122	7.3	2326	3.2	5	142	1660	2070	7	1390
03-Mar-21	8.8	-74	-	2337	0.1	12	163	1640	2090	8	1400
05-Aug-22	13.2	-27	7.4	2280	1.0	4	157	1590	2070	7	1380

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-29A</i>											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	0.32	-	20	-	< 3	< 0.005	-
12-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	1.58	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	7	< 3	< 0.005	< 0.01
15-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	5	< 3	< 0.005	< 0.02
20-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	22	4	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	0.87	< 20	< 4	< 3	< 0.005	< 0.01
13-May-10	-	< 0.50	< 0.01	0.1	< 0.50	1.36	26	7	< 3	< 0.005	< 0.01
20-Sep-11	-	< 0.50	< 0.01	0.1	< 0.50	0.92	< 20	< 4	< 3	< 0.005	< 0.01
16-Oct-12	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
23-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
02-Apr-14	< 1	0.09	< 0.01	< 1.0	0.06	< 0.20	13	< 2	< 1	< 0.005	< 0.01
17-Sep-15	< 1	0.17	< 0.01	< 1.0	< 0.05	0.24	10	< 2	1	< 0.005	< 0.01
26-Oct-16	< 1	0.14	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	1	< 0.005	< 0.01
09-May-17	< 1	0.15	< 0.01	< 1.0	0.09	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.16	< 0.01	< 1.0	< 0.05	< 0.20	< 5	< 2	2	< 0.005	< 0.01
11-Jul-19	< 1	0.16	< 0.01	< 1.0	0.06	0.38	< 5	< 2	2	< 0.005	< 0.01
17-Dec-20	< 1	0.15	< 0.01	< 1.0	0.07	0.31	< 5	< 2	< 1	< 0.005	< 0.01
03-Mar-21	< 1	0.15	< 0.01	< 1.0	0.06	0.33	< 5	< 2	1	< 0.005	< 0.01
05-Aug-22	< 1	0.15	< 0.01	< 1.0	0.07	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-29A											
05-Feb-04	-	-	-	-	-	< 0.0050	360	-	-	-	0.810
07-May-04	-	-	-	-	-	< 0.0050	340	-	-	-	0.051
12-Aug-04	0.19	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	350	< 0.0500	-	0.030	0.290
05-Nov-04	-	-	-	-	-	< 0.0050	330	-	-	-	0.072
07-Apr-05	0.15	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	0.340	0.074
25-May-06	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	350	< 0.0500	-	< 0.020	< 0.030
15-Aug-07	0.10	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	460	< 0.0500	-	< 0.020	0.120
20-Nov-08	0.07	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	460	< 0.0500	-	< 0.020	0.180
26-Feb-09	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	440	< 0.0500	-	< 0.020	0.039
13-May-10	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	500	< 0.0500	-	< 0.020	0.310
20-Sep-11	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	450	< 0.0500	-	< 0.020	< 0.030
16-Oct-12	< 0.05	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	440	< 0.0500	-	< 0.020	< 0.030
23-Jan-13	0.06	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	450	< 0.0500	-	< 0.020	0.110
02-Apr-14	0.02	< 0.002	< 0.001	0.01	< 0.0004	< 0.0004	440	< 0.0004	< 0.0002	< 0.003	0.001
17-Sep-15	0.21	< 0.001	< 0.002	0.01	< 0.0001	< 0.0001	461	< 0.0002	< 0.0004	0.007	0.125
26-Oct-16	0.04	< 0.005	< 0.005	0.01	< 0.0001	0.0002	438	< 0.0003	< 0.0011	< 0.001	0.014
09-May-17	0.05	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	474	< 0.0100	< 0.0500	< 0.020	0.010
05-Apr-18	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	450	< 0.0100	< 0.0500	< 0.020	< 0.100
11-Jul-19	0.04	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	447	< 0.0100	< 0.0500	< 0.020	< 0.100
17-Dec-20	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	466	< 0.0100	< 0.0500	< 0.020	< 0.100
03-Mar-21	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	456	< 0.0100	< 0.0500	< 0.020	< 0.100
05-Aug-22	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	444	< 0.0100	< 0.0500	< 0.020	< 0.100

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-29A</i>												
05-Feb-04	< 0.001	93	0.04	-	-	2.5	5.5	-	-	-	-	-
07-May-04	< 0.001	88	0.02	-	-	1.9	6.2	-	-	-	-	-
12-Aug-04	< 0.001	89	0.02	< 0.00040	0.085	6.2	6.2	0.019	< 0.0500	< 0.003	-	0.030
05-Nov-04	< 0.001	89	< 0.02	-	-	2.3	4.5	-	-	-	-	-
07-Apr-05	< 0.001	93	< 0.02	< 0.00040	< 0.050	7.3	5.7	0.022	< 0.0500	< 0.003	-	0.023
25-May-06	< 0.001	89	< 0.02	< 0.00040	< 0.030	1.4	3.6	< 0.005	< 0.0500	0.007	-	< 0.010
15-Aug-07	< 0.003	120	< 0.02	< 0.00040	< 0.030	1.4	4.5	< 0.005	< 0.0500	< 0.003	-	0.025
20-Nov-08	< 0.003	120	< 0.02	< 0.00040	< 0.030	1.8	4.9	< 0.005	< 0.0500	< 0.003	-	0.016
26-Feb-09	< 0.003	110	< 0.02	< 0.00040	< 0.030	1.5	4.7	< 0.005	< 0.0500	< 0.003	-	< 0.010
13-May-10	< 0.001	120	< 0.02	< 0.00040	< 0.030	2.1	4.7	< 0.005	< 0.0500	< 0.003	-	0.043
20-Sep-11	< 0.001	100	< 0.02	< 0.00040	< 0.030	1.5	4.8	< 0.005	< 0.0500	< 0.003	-	< 0.010
16-Oct-12	< 0.005	120	< 0.02	< 0.00040	< 0.030	1.8	5.3	< 0.025	< 0.0500	< 0.015	-	< 0.010
23-Jan-13	< 0.005	100	< 0.02	< 0.00040	< 0.030	1.6	5.0	< 0.025	< 0.0500	< 0.015	-	< 0.010
02-Apr-14	< 0.001	112	0.02	< 0.00002	< 0.002	1.2	4.7	0.003	< 0.0004	< 0.002	< 0.0002	0.021
17-Sep-15	< 0.001	119	0.02	0.00006	< 0.001	1.6	5.3	< 0.004	0.0038	< 0.002	< 0.0005	< 0.006
26-Oct-16	< 0.002	109	0.01	< 0.00004	< 0.001	1.5	5.1	< 0.003	< 0.0005	0.009	< 0.0009	< 0.002
09-May-17	< 0.050	118	0.02	< 0.00020	< 0.040	1.5	5.5	< 0.010	< 0.0100	0.010	< 0.0500	< 0.020
05-Apr-18	< 0.050	122	0.01	< 0.00020	< 0.040	1.6	5.4	< 0.010	< 0.0100	0.010	< 0.0500	< 0.020
11-Jul-19	< 0.005	120	0.01	< 0.00020	< 0.040	1.6	5.6	< 0.010	< 0.0100	0.018	< 0.0500	< 0.020
17-Dec-20	< 0.005	121	0.02	< 0.00020	< 0.040	1.5	4.7	< 0.010	< 0.0100	0.013	< 0.0500	< 0.020
03-Mar-21	< 0.050	121	0.01	< 0.00020	< 0.040	1.4	5.0	< 0.010	< 0.0100	0.011	< 0.0500	< 0.020
05-Aug-22	< 0.050	117	0.02	< 0.00020	< 0.040	1.4	4.9	< 0.010	< 0.0100	0.008	< 0.0500	0.004

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-29A											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
12-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
15-Aug-07	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-
20-Sep-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	-	-	-	-	-	-	-	-	-	-	-
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-29A												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
15-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-	-
20-Sep-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	-	-	-	-	-	-	-	-	-	-	-	-
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

		CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
		ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER		Toluene (ug/L)	Carbon Disulfide (ug/l)	Chloro- methane (ug/l)	Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD		5	-	5	[50]	
<i>Monitoring Well</i> MW-29A	ANALYSIS METHOD					
05-Feb-04	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-
12-Aug-04	EPA 601/602	<1.0	-	-	-	0.0
05-Nov-04	-	-	-	-	-	-
07-Apr-05	EPA 601/602	2.0	-	-	-	2.0
25-May-06	EPA 601/602	<1.0	-	-	-	0.0
15-Aug-07	EPA 601/602	<1.0	-	-	-	0.0
20-Nov-08	EPA 601/602	<1.0	-	-	-	0.0
26-Feb-09	EPA 601/602	<1.0	-	-	-	0.0
13-May-10	EPA 601/602	<1.0	-	-	-	0.0
20-Sep-11	EPA 601/602	<1.0	-	-	-	0.0
16-Oct-12	EPA 601/602	<1.0	-	-	-	0.0
23-Jan-13	EPA 601/602	<1.0	-	-	-	0.0
02-Apr-14	EPA 8260	<1.0	-	-	-	0.0
17-Sep-15	EPA 8260	<1.0	1.3	0.36 J	-	1.7
26-Oct-16	EPA 8260	<1.0	0.38 J	<1.0	-	0.4
09-May-17	EPA 8260	<1.0	6.2	<1.0	-	6.2
05-Apr-18	EPA 8260	<1.0	0.33 J	<1.0	2.4 J	2.7
11-Jul-19	EPA 8260	<1.0	0.31 J	<1.0	<5.0	0.3
17-Dec-20	EPA 8260	<1.0	<1.0	<1.0	<5.0	0.0
03-Mar-21	EPA 8260	<1.0	0.96 J	<1.0	<5.0	0.96
05-Aug-22	EPA 8260	<1.0	<1.00	<1.0	<5.0	0.00

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-29B</i>											
05-Feb-04	2.8	-76	8.1	1260	210.0	-	140	1400	2200	3	1600
07-May-04	10.4	-72	7.8	2210	2.5	-	150	1300	2360	2	1630
12-Aug-04	11.2	-112	8.7	2190	47.0	5	130	1300	2290	6	1900
05-Nov-04	4.0	-55	7.9	1806	21.9	-	220	1300	2210	5	2090
07-Apr-05	11.1	-45	7.5	1702	2.6	20	160	1300	2020	4	1190
25-May-06	15.5	-80	8.0	2140	14.0	12	140	1400	2340	4	1260
15-Aug-07	18.5	-64	7.1	540	64.0	55	130	1600	2160	3	5
20-Nov-08	9.6	-74	8.5	1668	4.0	10	130	1600	2120	6	1270
26-Feb-09	12.1	-120	9.1	815	14.8	8	120	1600	2040	3	1590
13-May-10	12.0	253	7.1	837	0.9	8	120	1700	2300	3	1310
20-Sep-11	16.5	-78	7.7	2272	5.0	11	140	1700	2400	3	1020
16-Oct-12	12.3	105	7.2	2270	20.4	< 2	140	1700	2300	3	1750
23-Jan-13	2.7	156	7.1	2293	75.5	< 5	130	1600	2200	3	1370
02-Apr-14	7.2	-84	7.5	2300	37.6	13	131	1550	1960	3	1330
17-Sep-15	14.2	-95	7.3	230	14.0	22	135	2240	2190	3	1340
26-Oct-16	10.2	-87	7.5	2400	35.0	15	131	1530	1700	3	1350
09-May-17	9.8	-39	7.5	2300	34.4	12	133	1650	2140	3	1410
05-Apr-18	6.2	40	7.1	2248	33.3	80	130	1600	374	3	114
11-Jul-19	12.3	-56	7.3	2271	30.5	32	119	1690	2120	3	1330
17-Dec-20	8.5	5	7.3	2300	7.7	14	122	1600	2050	3	1400
03-Mar-21	7.1	-38	7.4	2317	19.3	13	137	1650	2070	3	1410
05-Aug-22	13.9	-57	7.4	2260	-	7	132	1600	2110	3	1360

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-29B</i>											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	0.63	-	< 20	-	3	< 0.005	-
12-Aug-04	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	4	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	4	< 3	< 0.005	< 0.01
15-Aug-07	-	0.20 J	< 0.02	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.02
20-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
13-May-10	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
20-Sep-11	-	< 0.50	< 0.01	< 0.1	< 0.50	1.03	< 20	< 4	< 3	< 0.005	< 0.01
16-Oct-12	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
23-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
02-Apr-14	< 1	0.07	< 0.01	< 1.0	0.08	< 0.20	< 5	< 2	1	< 0.005	< 0.01
17-Sep-15	< 1	0.21	< 0.01	< 1.0	0.05	0.27	6	< 2	< 1	< 0.005	0.04
26-Oct-16	< 1	0.13	< 0.01	< 1.0	0.06	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
09-May-17	< 1	0.14	< 0.01	< 1.0	0.08	0.32	< 5	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.15	< 0.01	< 1.0	0.08	0.25	6	< 2	1	< 0.005	< 0.01
11-Jul-19	< 1	0.15	< 0.01	< 1.0	0.10	0.25	< 5	< 2	3	< 0.005	< 0.01
17-Dec-20	< 1	0.14	< 0.01	< 1.0	0.08	0.30	6	< 2	< 1	< 0.005	< 0.01
03-Mar-21	2	0.14	< 0.01	< 1.0	0.08	0.33	< 5	< 2	< 1	< 0.005	< 0.01
05-Aug-22	< 2	0.14	< 0.01	< 1.0	0.10	0.47	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-29B											
05-Feb-04	-	-	-	-	-	< 0.0050	400	-	-	-	11.00
07-May-04	-	-	-	-	-	< 0.0050	400	-	-	-	11.00
12-Aug-04	0.13	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	0.036	1.20
05-Nov-04	-	-	-	-	-	< 0.0050	350	-	-	-	2.40
07-Apr-05	0.13	< 0.003	0.018	< 0.30	< 0.0050	< 0.0050	370	< 0.0500	-	0.051	1.10
25-May-06	0.14	< 0.003	0.013	< 0.30	< 0.0050	< 0.0050	410	< 0.0500	-	< 0.020	9.10
15-Aug-07	0.30	< 0.003	0.005	< 0.30	< 0.0050	< 0.0050	440	< 0.0500	-	< 0.020	2.40
20-Nov-08	1.20	< 0.003	0.018	< 0.30	< 0.0050	< 0.0050	460	< 0.0500	-	< 0.020	8.70
26-Feb-09	0.22	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	440	< 0.0500	-	< 0.020	1.50
13-May-10	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	480	< 0.0500	-	< 0.020	1.40
20-Sep-11	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	480	< 0.0500	-	< 0.020	1.70
16-Oct-12	0.07	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	460	< 0.0500	-	< 0.020	1.30
23-Jan-13	1.00	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	450	< 0.0500	-	< 0.020	3.30
02-Apr-14	0.31	< 0.002	0.019	0.01	0.0003	< 0.0004	437	< 0.0004	< 0.0002	< 0.003	7.83
17-Sep-15	36.10	< 0.001	< 0.002	0.20	0.0010	< 0.0001	594	0.0486	0.0111	0.036	33.50
26-Oct-16	1.24	< 0.005	0.005	0.01	< 0.0001	< 0.0002	438	0.0015	< 0.0011	0.001	1.91
09-May-17	2.10	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	467	0.0020	< 0.0500	< 0.020	1.90
05-Apr-18	2.32	< 0.060	0.009	0.02	< 0.0030	< 0.0050	445	0.0025	< 0.0500	< 0.020	4.73
11-Jul-19	6.22	< 0.060	< 0.010	0.04	0.0002	< 0.0050	466	0.0080	0.0015	< 0.020	6.23
17-Dec-20	0.27	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	455	< 0.0100	< 0.0500	< 0.020	1.35
03-Mar-21	1.25	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	461	0.0017	< 0.0500	< 0.020	3.07
05-Aug-22	1.37	< 0.060	< 0.010	0.02	< 0.0030	< 0.0050	455	< 0.0100	< 0.0500	< 0.020	3.14

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well</i> MW-29B												
05-Feb-04	< 0.001	100	0.08	-	-	2.8	7.2	-	-	-	-	-
07-May-04	< 0.001	100	0.08	-	-	2.8	7.2	-	-	-	-	-
12-Aug-04	< 0.001	91	0.05	< 0.00040	0.064	3.7	7.4	0.026	< 0.0500	< 0.003	-	< 0.010
05-Nov-04	< 0.001	93	0.09	-	-	2.9	5.7	-	-	-	-	-
07-Apr-05	< 0.001	96	0.06	< 0.00040	0.034	3.4	6.7	0.006	< 0.0500	< 0.003	-	0.021
25-May-06	< 0.001	99	0.07	< 0.00040	< 0.030	2.0	5.6	< 0.005	< 0.0500	0.005	-	0.014
15-Aug-07	< 0.003	110	0.07	< 0.00040	< 0.030	1.5	6.0	0.007	< 0.0500	< 0.003	-	0.019
20-Nov-08	< 0.003	110	0.12	< 0.00040	< 0.030	2.6	6.3	< 0.005	< 0.0500	< 0.003	-	0.014
26-Feb-09	< 0.003	110	0.08	< 0.00040	< 0.030	2.0	6.9	< 0.005	< 0.0500	< 0.003	-	0.011
13-May-10	< 0.001	120	0.07	< 0.00040	< 0.030	2.2	6.0	< 0.005	< 0.0500	< 0.003	-	0.039
20-Sep-11	< 0.001	110	0.07	< 0.00040	< 0.030	1.9	6.6	< 0.005	< 0.0500	< 0.003	-	< 0.010
16-Oct-12	< 0.005	110	0.08	< 0.00040	< 0.030	2.1	6.6	< 0.025	< 0.0500	< 0.015	-	< 0.010
23-Jan-13	< 0.005	120	0.09	< 0.00040	< 0.030	2.3	6.2	< 0.025	< 0.0500	< 0.015	-	< 0.010
02-Apr-14	< 0.001	111	0.07	< 0.00002	< 0.002	1.7	5.9	< 0.004	< 0.0004	< 0.002	0.001	0.006
17-Sep-15	0.013	184	0.73	< 0.00004	0.030	17.1	7.0	< 0.004	0.0061	< 0.002	0.053	0.043
26-Oct-16	< 0.002	107	0.08	< 0.00004	< 0.001	2.3	6.5	< 0.003	< 0.0005	0.009	0.002	0.012
09-May-17	< 0.050	117	0.09	< 0.00020	< 0.040	2.8	7.5	< 0.010	< 0.0100	0.013	0.003	0.008
05-Apr-18	< 0.050	119	0.10	< 0.00020	< 0.040	2.9	7.1	< 0.010	< 0.0100	0.008	0.004	0.084
11-Jul-19	< 0.005	127	0.17	< 0.00020	< 0.040	4.8	7.1	< 0.010	< 0.0100	0.019	0.008	0.012
17-Dec-20	< 0.005	113	0.06	< 0.00020	< 0.040	1.8	6.0	< 0.010	< 0.0100	< 0.010	< 0.050	< 0.012
03-Mar-21	< 0.050	121	0.09	< 0.00020	0.003	2.2	6.2	< 0.010	< 0.0100	0.012	0.001	0.019
05-Aug-22	0.003	113	0.08	< 0.00020	< 0.040	2.1	6.3	< 0.010	0.0006	0.009	0.002	0.011

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-29B											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
12-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
15-Aug-07	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-
20-Sep-11	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	0.004	< 0.001	< 0.002	0.01	< 0.0001	< 0.0001	461	< 0.0002	< 0.0004	0.005	1.2
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-29B												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
15-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-	-
20-Sep-11	-	-	-	-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	< 0.001	118	0.06	0.00004	< 0.001	1.8	6.1	< 0.004	0.0004	< 0.002	< 0.0005	< 0.006
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1					
	ORGANIC PARAMETERS (DETECTED)					
GROUNDWATER		Toluene (ug/l)	Acetone (ug/l)	Chloro- methane (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)	
6NYCRR Part 703 GROUNDWATER STANDARD		5	[50]	5	-	
Monitoring Well MW-29B	ANALYSIS METHOD					
05-Feb-04	-	-	-	-	-	
07-May-04	-	-	-	-	-	
12-Aug-04	EPA 601/602	< 1.0	-	-	0.0	
05-Nov-04	-	-	-	-	-	
07-Apr-05	EPA 601/602	3.0	-	-	3.0	
25-May-06	EPA 601/602	< 1.0	-	-	0.0	
15-Aug-07	EPA 601/602	< 1.0	-	-	0.0	
20-Nov-08	EPA 601/602	< 1.0	-	-	0.0	
26-Feb-09	EPA 601/602	< 1.0	-	-	0.0	
13-May-10	EPA 601/602	< 1.0	-	-	0.0	
20-Sep-11	EPA 601/602	< 1.0	-	-	0.0	
16-Oct-12	EPA 601/602	< 1.0	-	-	0.0	
23-Jan-13	EPA 601/602	< 1.0	-	-	0.0	
02-Apr-14	EPA 8260	< 1.0	-	-	0.0	
17-Sep-15	EPA 8260	< 1.0	2.3 J	0.24 J	2.5	
26-Oct-16	EPA 8260	< 1.0	1.7 J	< 1.0	1.7	
09-May-17	EPA 8260	< 1.0	1.9 J	< 1.0	1.9	
05-Apr-18	EPA 8260	< 1.0	2.2 J	< 1.0	2.2	
11-Jul-19	EPA 8260	< 1.0	3.0 BJ	< 1.0	0.33 J	3.3
17-Dec-20	EPA 8260	< 1.0	< 5.0	< 1.0	< 1.0	0.0
03-Mar-21	EPA 8260	< 1.0	< 5.0	< 1.0	< 1.0	0.0
05-Aug-22	EPA 8260	< 1.0	< 5.0	< 1.0	< 1.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-30A</i>											
05-Feb-04	3.2	-70	8.0	1374	17.0	-	140	1400	2500	4	2100
07-May-04	14.1	-71	7.8	2390	2.5	-	160	1500	2690	3	1690
12-Aug-04	10.2	-80	8.0	2360	37.0	10	140	1400	2440	4	601
05-Nov-04	3.7	-57	8.0	972	26.3	-	230	1300	2180	6	2340
07-Apr-05	10.6	-45	7.6	1803	13.6	100	150	1400	2220	3	1230
25-May-06	60.4	-80	8.1	2410	11.9	5	140	1400	2620	4	1350
15-Aug-07	16.7	-75	7.3	563	42.8	120	130	1600	2380	4	1710
20-Nov-08	10.2	-67	8.2	1770	39.9	13	130	1800	2480	3	1360
26-Feb-09	11.7	-118	9.1	1429	11.8	8	120	1700	2250	3	2120
13-May-10	11.9	263	6.6	935	1.7	8	120	1900	2500	3	2320
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
16-Oct-12	12.0	58	7.0	2431	229.0	< 2	140	1500	2500	3	1780
23-Jan-13	6.8	156	7.0	2428	136.0	< 5	110	1800	2500	3	1480
02-Apr-14	9.9	-39	7.3	2400	6.9	14	136	1690	2400	3	1630
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
26-Oct-16	9.2	-68	7.3	2600	1.4	18	131	1740	2340	4	1540
09-May-17	9.3	-48	7.4	2500	0.9	15	128	1840	2370	3	1550
05-Apr-18	7.1	28	7.0	2422	1.3	38	127	1770	2300	4	1530
11-Jul-19	12.8	-69	7.3	2467	1.8	35	119	1750	2450	3	1450
17-Dec-20	8.3	7	7.3	2536	1.7	12	120	1790	2320	3	1600
03-Mar-21	7.7	-19	7.3	2527	0.8	12	136	1820	2360	3	1590
05-Aug-22	13.8	-29	7.3	2472	0.8	5	130	1760	2300	3	1480

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well MW-30A</i>											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	0.63	-	< 20	-	< 3	< 0.005	-
12-Aug-04	-	< 0.50	< 0.01	0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
05-Nov-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	0.018	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	5	< 3	< 0.005	< 0.01
15-Aug-07	-	< 0.50	< 0.02	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.02
20-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
13-May-10	-	< 0.50	< 0.01	0.1	< 0.50	< 0.50	< 20	4	< 3	< 0.005	< 0.01
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
16-Oct-12	-	< 2.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
23-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
02-Apr-14	< 1	0.09	< 0.01	< 1.0	0.14	< 0.40	19	< 2	1	< 0.005	< 0.01
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
26-Oct-16	< 1	0.15	< 0.01	< 1.0	0.09	0.65	< 5	< 2	< 1	< 0.005	< 0.01
09-May-17	< 1	0.15	< 0.01	< 1.0	0.12	0.34	< 5	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.16	< 0.01	< 1.0	0.08	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
11-Jul-19	< 1	0.16	< 0.01	< 1.0	0.10	0.31	< 5	< 2	1	< 0.005	< 0.01
17-Dec-20	< 1	0.15	< 0.01	< 1.0	0.13	0.21	12	< 2	< 1	< 0.005	< 0.01
03-Mar-21	< 1	0.15	< 0.01	< 1.0	0.13	0.48	< 5	< 2	< 1	< 0.005	< 0.01
05-Aug-22	< 1	0.15	< 0.01	< 1.0	0.15	0.33	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well</i> MW-30A											
05-Feb-04	-	-	-	-	-	< 0.0050	390	-	-	-	3.40
07-May-04	-	-	-	-	-	< 0.0050	420	-	-	-	1.30
12-Aug-04	0.13	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	410	< 0.0500	-	0.030	2.00
05-Nov-04	-	-	-	-	-	< 0.0050	350	-	-	-	5.30
07-Apr-05	0.17	< 0.003	0.014	< 0.30	< 0.0050	< 0.0050	400	< 0.0500	-	0.052	1.10
25-May-06	0.07	< 0.003	0.013	< 0.30	< 0.0050	< 0.0050	400	< 0.0500	-	< 0.020	7.70
15-Aug-07	0.19	< 0.003	0.016	< 0.30	< 0.0050	< 0.0050	460	< 0.0500	-	< 0.020	4.50
20-Nov-08	0.11	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	520	< 0.0500	-	< 0.020	5.60
26-Feb-09	< 0.05	< 0.003	< 0.010	< 0.30	< 0.0050	< 0.0050	470	< 0.0500	-	< 0.020	2.80
13-May-10	0.13	< 0.003	0.091	< 0.30	< 0.0050	< 0.0050	550	< 0.0500	-	< 0.020	67.00
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
16-Oct-12	2.50	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	400	< 0.0500	-	< 0.020	3.40
23-Jan-13	3.20	< 0.015	< 0.050	< 0.30	< 0.0050	< 0.0050	500	< 0.0500	-	< 0.020	5.20
02-Apr-14	0.39	< 0.002	0.006	0.01	< 0.0003	< 0.0004	469	< 0.0004	< 0.0002	< 0.003	4.44
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
26-Oct-16	0.15	< 0.005	0.007	0.01	< 0.0001	< 0.0002	493	< 0.0003	< 0.0011	< 0.001	2.36
09-May-17	0.05	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	518	< 0.0100	< 0.0500	< 0.020	1.16
05-Apr-18	< 0.10	< 0.060	0.010	< 0.02	< 0.0030	< 0.0050	491	< 0.0100	< 0.0500	< 0.020	2.93
11-Jul-19	0.11	< 0.060	0.007	0.01	< 0.0030	< 0.0050	482	< 0.0100	< 0.0500	< 0.020	4.50
17-Dec-20	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	503	< 0.0100	< 0.0500	< 0.020	1.48
03-Mar-21	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	509	< 0.0100	< 0.0500	< 0.020	1.30
05-Aug-22	< 0.10	< 0.060	< 0.010	0.01	< 0.0030	< 0.0050	494	< 0.0100	< 0.0500	< 0.020	1.62

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-30A</i>												
05-Feb-04	< 0.001	98	0.03	-	-	2.3	7.5	-	-	-	-	-
07-May-04	< 0.001	120	0.03	-	-	3.9	10.0	-	-	-	-	-
12-Aug-04	< 0.001	100	0.03	< 0.00040	0.062	3.0	8.3	0.034	< 0.0500	< 0.003	-	< 0.010
05-Nov-04	< 0.001	90	0.03	-	-	2.0	6.6	-	-	-	-	-
07-Apr-05	< 0.001	110	0.03	0.00070	< 0.030	3.2	7.7	0.022	< 0.0500	< 0.003	-	0.017
25-May-06	< 0.001	99	0.03	< 0.00040	< 0.030	1.6	6.2	< 0.005	< 0.0500	0.008	-	0.011
15-Aug-07	< 0.003	120	0.03	< 0.00040	< 0.030	1.3	6.7	< 0.005	< 0.5000	< 0.003	-	0.020
20-Nov-08	< 0.003	130	0.04	< 0.00040	< 0.030	2.2	8.5	< 0.005	< 0.0500	< 0.003	-	< 0.010
26-Feb-09	< 0.003	120	0.04	< 0.00040	< 0.030	1.8	8.3	< 0.005	< 0.0500	< 0.003	-	< 0.010
13-May-10	< 0.001	130	0.04	< 0.00040	< 0.030	2.5	8.1	< 0.005	< 0.0500	< 0.003	-	0.051
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-	-
16-Oct-12	< 0.005	110	< 0.02	< 0.00040	< 0.030	3.7	8.3	< 0.025	< 0.0500	< 0.015	-	< 0.010
23-Jan-13	< 0.005	110	< 0.08	< 0.00040	< 0.030	3.2	8.1	< 0.025	< 0.0500	< 0.015	-	0.021
02-Apr-14	< 0.001	126	0.05	< 0.00002	< 0.002	1.7	7.5	< 0.002	< 0.0004	< 0.002	0.001	0.005
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-	-
26-Oct-16	< 0.002	125	0.03	< 0.00004	< 0.001	1.8	8.4	< 0.003	< 0.0005	0.009	< 0.001	< 0.002
09-May-17	< 0.050	132	0.03	< 0.00020	< 0.040	1.7	8.7	< 0.010	< 0.0100	0.011	< 0.050	< 0.020
05-Apr-18	< 0.050	131	0.03	< 0.00020	< 0.040	1.8	8.9	< 0.010	< 0.0100	0.016	< 0.050	0.010
11-Jul-19	< 0.005	133	0.03	< 0.00020	< 0.040	1.8	9.0	< 0.010	< 0.0100	0.018	< 0.050	0.014
17-Dec-20	< 0.005	130	0.03	< 0.00020	< 0.040	1.6	8.1	< 0.010	< 0.0100	0.016	< 0.050	< 0.020
03-Mar-21	< 0.050	134	0.03	< 0.00020	< 0.040	1.6	8.2	< 0.010	< 0.0100	0.010	< 0.050	< 0.020
05-Aug-22	< 0.050	128	0.03	< 0.00020	< 0.040	1.5	8.1	< 0.010	< 0.0100	0.009	< 0.050	0.003

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-30A											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
12-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
15-Aug-07	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
16-Oct-12	< 0.05	< 0.015	< 0.05	< 0.3	< 0.005	< 0.0050	550	< 0.05	-	< 0.02	< 0.03
23-Jan-13	< 0.05	< 0.015	< 0.05	< 0.3	< 0.005	< 0.0050	520	< 0.05	-	< 0.02	< 0.03
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-30A												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
15-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-	-
16-Oct-12	< 0.005	130	0.02	< 0.0004	< 0.03	1.6	8.7	< 0.025	< 0.05	< 0.015	-	0.03
23-Jan-13	< 0.005	110	0.02	< 0.0004	< 0.03	1.8	7.6	< 0.025	< 0.05	< 0.015	-	< 0.01
02-Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-	-
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1				
ORGANIC PARAMETERS (DETECTED)				
GROUNDWATER	Toluene (ug/L)	Carbon Disulfide (ug/L)	Acetone (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	5	-	[50]	
<i>Monitoring Well</i> MW-30A	ANALYSIS MEHTOD			
05-Feb-04	-	-	-	-
07-May-04	-	-	-	-
12-Aug-04	8260	< 1.0	-	0.0
05-Nov-04	-	-	-	-
07-Apr-05	8260	3.0	-	3.0
25-May-06	EPA 601/602	< 1.0	-	0.0
15-Aug-07	EPA 601/602	< 1.0	-	0.0
20-Nov-08	EPA 601/602	< 1.0	-	0.0
26-Feb-09	EPA 601/602	< 1.0	-	0.0
13-May-10	EPA 601/602	< 1.0	-	0.0
14-Jul-11	UNABLE TO LOCATE	-	-	-
16-Oct-12	EPA 601/602	< 1.0	-	0.0
23-Jan-13	EPA 601/602	< 1.0	-	0.0
02-Apr-14	EPA 8260	< 1.0	0.6 J	0.6
16-Sep-15	UNABLE TO LOCATE	-	-	-
26-Oct-16	EPA 8260	< 1.0	< 1.0 1.7 J	1.7
09-May-17	EPA 8260	< 1.0	3.0 < 5.0	3.0
05-Apr-18	EPA 8260	< 1.0	0.2 2.0	2.2
11-Jul-19	EPA 8260	< 1.0	< 1.0 < 5.0	0.0
17-Dec-20	EPA 8260	< 1.0	< 1.0 < 5.0	0.0
03-Mar-21	EPA 8260	< 1.0	0.77 J < 5.0	0.8
05-Aug-22	EPA 8260	< 1.0	< 1.0 < 5.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
GROUNDWATER	FIELD PARAMETERS					INORGANIC PARAMETERS					
	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	6.5-8.5	-	5	15	-	-	500	250	250
<i>Monitoring Well MW-30B</i>											
05-Feb-04	5.1	-66	7.9	1400	2000.0	-	120	1300	2400	3	2100
07-May-04	12.1	-67	7.7	2290	170.0	-	130	1300	2300	2	1770
12-Aug-04	11.8	-75	8.0	2200	67.0	7	110	1400	2250	2	1230
05-Nov-04	3.9	-50	7.9	1865	44.7	-	210	1100	2260	6	2220
07-Apr-05	10.2	-45	7.6	1703	5.4	125	130	1200	2080	4	1200
25-May-06	14.4	-60	8.0	2230	14.8	22	120	1200	2380	6	1240
15-Aug-07	14.5	-68	7.2	522	41.5	125	110	1500	2310	3	10
20-Nov-08	9.3	-74	8.3	1695	2.2	20	150	1600	2230	3	1200
26-Feb-09	10.1	-121	9.2	1390	11.6	8	100	1500	2080	3	1860
13-May-10	11.3	249	6.9	821	0.8	8	97	1700	2100	3	1810
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
16-Oct-12	11.8	60	6.9	2314	21.8	5	120	1700	2400	3	1750
23-Jan-13	3.4	159	7.0	2336	94.0	5	160	1500	2200	7	1190
01-Apr-14	FROZEN			-	-	-	-	-	-	-	-
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
26-Oct-16	9.4	-97	7.4	2400	2.1	18	113	1590	2210	3	1400
09-May-17	9.7	-54	7.5	2400	1.3	15	112	1640	2160	3	1400
05-Apr-18	7.5	-21	7.1	2264	1.6	70	108	1600	2190	3	1390
11-Jul-19	12.4	-88	7.2	2281	6.6	35	106	1620	2180	3	1340
17-Dec-20	8.1	-12	7.3	2342	2.7	13	104	1620	4210	3	1440
03-Mar-21	7.6	-37	7.4	2336	5.9	7	122	1640	2130	3	1450
05-Aug-22	15.0	-64	7.4	2314	2.9	5	113	1570	2140	3	1290

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
INORGANIC PARAMETERS											
GROUNDWATER	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	[2]	1.0	0.05	10	2.0	-	-	-	-	0.001	0.20
<i>Monitoring Well</i> MW-30B											
05-Feb-04	-	-	-	< 0.2	< 0.50	-	< 20	-	< 3	< 0.005	-
07-May-04	-	-	-	< 0.2	0.63	-	24	-	< 3	< 0.005	-
12-Aug-04	-	< 0.50	< 0.01	1.7	< 0.50	< 0.50	< 20	9	5	< 0.005	< 0.01
05-Nov-04	-	-	-	0.6	11.20	-	< 20	-	3	< 0.005	-
07-Apr-05	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
25-May-06	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	11	< 3	< 0.005	< 0.01
15-Aug-07	-	< 0.50	< 0.01	< 0.2	< 0.50	0.59	< 20	< 4	< 3	< 0.005	< 0.01
20-Nov-08	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
26-Feb-09	-	< 0.50	< 0.01	< 0.2	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
13-May-10	-	< 0.50	< 0.01	0.1	< 0.50	0.97	< 20	6	< 3	< 0.005	< 0.01
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
16-Oct-12	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.005	< 0.01
23-Jan-13	-	< 0.50	< 0.01	< 0.1	< 0.50	< 0.50	< 20	< 4	< 3	< 0.050	< 0.01
01-Apr-14	FROZEN -			-	-	-	-	-	-	-	-
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
26-Oct-16	< 1	0.18	< 0.01	< 1.0	0.15	0.35	< 5	< 2	< 1	< 0.005	< 0.01
09-May-17	< 1	0.18	< 0.01	< 1.0	0.18	0.25	6	< 2	< 1	< 0.005	< 0.01
05-Apr-18	< 1	0.20	< 0.01	< 1.0	0.16	0.26	6	< 2	< 1	< 0.005	< 0.01
11-Jul-19	< 1	0.19	< 0.01	< 1.0	0.14	0.43	< 5	< 2	2	< 0.005	< 0.01
17-Dec-20	< 1	0.18	< 0.01	< 1.0	0.19	< 0.20	< 5	< 2	< 1	< 0.005	< 0.01
03-Mar-21	< 1	0.19	< 0.01	< 1.0	0.19	0.47	< 5	< 2	< 1	< 0.005	< 0.01
05-Aug-22	< 1	0.17	< 0.01	< 1.0	0.20	0.32	< 5	< 2	< 1	< 0.005	< 0.01

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
TOTAL METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.005	-	0.05	-	0.2	0.30
<i>Monitoring Well MW-30B</i>											
05-Feb-04	-	-	-	-	-	0.009	370	-	-	-	71.00
07-May-04	-	-	-	-	-	< 0.005	360	-	-	-	1.80
12-Aug-04	0.41	< 0.003	0.460	< 0.3	< 0.005	0.009	380	< 0.05	-	0.04	22.00
05-Nov-04	-	-	-	-	-	< 0.005	290	-	-	-	6.30
07-Apr-05	0.14	< 0.003	0.034	< 0.3	< 0.005	< 0.005	340	< 0.05	-	< 0.05	1.30
25-May-06	0.06	< 0.003	0.035	< 0.3	< 0.005	< 0.005	340	< 0.05	-	< 0.02	2.00
15-Aug-07	0.20	< 0.003	0.190	< 0.3	< 0.005	< 0.005	420	< 0.05	-	< 0.02	12.00
20-Nov-08	< 0.05	< 0.003	0.015	< 0.3	< 0.005	< 0.005	450	< 0.05	-	< 0.02	1.50
26-Feb-09	< 0.05	< 0.003	< 0.010	< 0.3	< 0.005	< 0.005	400	< 0.05	-	< 0.02	1.30
13-May-10	0.13	< 0.003	0.270	< 0.3	< 0.005	< 0.005	460	< 0.05	-	< 0.02	23.00
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
16-Oct-12	0.07	< 0.015	< 0.050	< 0.3	< 0.005	< 0.005	370	< 0.05	-	< 0.02	1.80
23-Jan-13	< 0.05	< 0.015	< 0.050	< 0.3	< 0.005	< 0.005	420	< 0.05	-	< 0.02	2.20
01-Apr-14	FROZEN	-	-	-	-	-	-	-	-	-	-
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
26-Oct-16	0.16	< 0.005	0.029	0.01	< 0.0001	< 0.0002	440	< 0.0003	< 0.001	< 0.001	1.65
09-May-17	0.45	< 0.060	0.029	0.01	< 0.0030	< 0.0050	449	< 0.0100	< 0.050	< 0.020	1.96
05-Apr-18	0.19	< 0.060	0.035	0.01	< 0.0030	< 0.0050	434	< 0.0100	< 0.050	< 0.020	2.37
11-Jul-19	2.00	< 0.060	0.059	0.01	< 0.0030	< 0.0050	432	0.0026	< 0.050	< 0.020	4.94
17-Dec-20	0.22	< 0.060	0.028	0.01	< 0.0030	< 0.0050	445	< 0.0100	< 0.050	< 0.020	1.90
03-Mar-21	0.20	< 0.060	0.046	0.01	< 0.0030	< 0.0050	445	< 0.0100	< 0.050	< 0.020	3.04
05-Aug-22	0.12	< 0.060	0.027	0.01	< 0.0030	< 0.0050	428	< 0.0100	< 0.050	< 0.020	1.84

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
TOTAL METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.007	-	-	20	0.01	0.05	[0.0005]	-	0.3
<i>Monitoring Well MW-30B</i>												
05-Feb-04	< 0.001	99	0.10	-	-	2.7	29.0	-	-	-	-	-
07-May-04	< 0.001	100	0.08	-	-	2.7	19.0	-	-	-	-	-
12-Aug-04	< 0.001	100	0.11	< 0.0004	0.08	3.2	17.0	0.030	< 0.050	< 0.003	-	0.016
05-Nov-04	< 0.001	83	0.07	-	-	2.6	12.0	-	-	-	-	-
07-Apr-05	< 0.001	97	0.08	0.0008	0.05	3.1	14.0	0.018	< 0.050	< 0.003	-	0.021
25-May-06	< 0.001	91	0.09	< 0.0004	< 0.03	1.8	13.0	< 0.005	< 0.050	0.008	-	< 0.010
15-Aug-07	< 0.003	120	0.16	< 0.0004	< 0.03	1.7	16.0	< 0.005	< 0.050	< 0.003	-	0.023
20-Nov-08	< 0.003	120	0.09	< 0.0004	< 0.03	2.4	18.0	< 0.005	< 0.050	< 0.003	-	< 0.010
26-Feb-09	< 0.003	110	0.09	< 0.0004	< 0.03	2.0	17.0	< 0.005	< 0.050	< 0.003	-	0.020
13-May-10	< 0.001	120	0.10	< 0.0004	< 0.03	2.6	17.0	< 0.005	< 0.050	< 0.003	-	0.041
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-	-
16-Oct-12	< 0.005	120	0.10	< 0.0004	< 0.03	2.3	14.0	< 0.025	< 0.050	< 0.015	-	< 0.010
23-Jan-13	< 0.005	99	0.08	< 0.0004	< 0.03	2.1	16.0	< 0.025	< 0.050	< 0.015	-	< 0.010
01-Apr-14	FROZEN -			-	-	-	-	-	-	-	-	-
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-	-
26-Oct-16	< 0.002	120	0.08	< 0.00004	< 0.001	2.0	14.8	< 0.003	< 0.0005	0.011	0.001	< 0.002
09-May-17	< 0.050	126	0.09	< 0.00020	< 0.040	2.0	15.5	< 0.010	< 0.0100	0.011	< 0.050	< 0.020
05-Apr-18	< 0.050	126	0.09	< 0.00020	< 0.040	2.1	17.1	< 0.010	< 0.0100	0.008	< 0.050	0.012
11-Jul-19	< 0.005	131	0.12	< 0.00020	< 0.040	2.5	15.6	< 0.010	< 0.0100	0.017	0.001	0.031
17-Dec-20	< 0.005	123	0.08	< 0.00020	< 0.040	1.9	14.6	< 0.010	< 0.0100	0.009	< 0.050	< 0.020
03-Mar-21	< 0.050	129	0.09	< 0.00020	< 0.040	1.9	14.7	< 0.010	< 0.0100	0.012	< 0.050	< 0.020
05-Aug-22	< 0.050	121	0.08	< 0.00020	< 0.040	1.6	14.3	< 0.010	< 0.0100	0.010	< 0.050	0.005

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											
GROUNDWATER	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	[0.003]	0.025	1.0	[0.003]	0.01	-	0.05	-	0.2	0.3
<i>Monitoring Well</i> MW-30B											
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-
12-Aug-04	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-
15-Aug-07	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-
01-Apr-14	FROZEN		-	-	-	-	-	-	-	-	-
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
DISSOLVED METALS												
GROUNDWATER	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	0.025	[35]	0.3	0.002	-	-	20	0.01	0.05	[0.0005]	-	2.0
<i>Monitoring Well</i> MW-30B												
05-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
07-May-04	-	-	-	-	-	-	-	-	-	-	-	-
12-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
05-Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
25-May-06	-	-	-	-	-	-	-	-	-	-	-	-
15-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
20-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
26-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
13-May-10	-	-	-	-	-	-	-	-	-	-	-	-
14-Jul-11	UNABLE TO LOCATE			-	-	-	-	-	-	-	-	-
16-Oct-12	-	-	-	-	-	-	-	-	-	-	-	-
23-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
01-Apr-14	FROZEN			-	-	-	-	-	-	-	-	-
16-Sep-15	UNABLE TO LOCATE			-	-	-	-	-	-	-	-	-
26-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
09-May-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
17-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
03-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
05-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1			
ORGANIC PARAMETERS (DETECTED)			
GROUNDWATER	Acetone (ug/l)	Carbon Disulfide (ug/l)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	[50]	-	
<i>Monitoring Well</i> MW-30B	ANALYSIS METHOD		
05-Feb-04	-	-	-
07-May-04	-	-	-
12-Aug-04	EPA 601/602	-	0.0
05-Nov-04	-	-	-
07-Apr-05	EPA 601/602	-	0.0
25-May-06	EPA 601/602	-	0.0
15-Aug-07	EPA 601/602	-	0.0
20-Nov-08	EPA 601/602	-	0.0
26-Feb-09	EPA 601/602	-	0.0
13-May-10	EPA 601/602	-	0.0
14-Jul-11	UNABLE TO LOCATE	-	-
16-Oct-12	EPA 601/602	-	0.0
23-Jan-13	EPA 601/602	-	0.0
01-Apr-14	FROZEN	-	-
16-Sep-15	UNABLE TO LOCATE	-	-
26-Oct-16	EPA 8260	2.0 J	2.0
09-May-17	EPA 8260	< 5.0	2.0
05-Apr-18	EPA 8260	< 5.0	0.6
11-Jul-19	EPA 8260	2.6 BJ	2.6
17-Dec-20	EPA 8260	< 5.0	0.0
03-Mar-21	EPA 8260	< 5.0	0.5
05-Aug-22	EPA 8260	< 5.0	0.0

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
	FIELD PARAMETERS					INORGANIC PARAMETERS ==>						
MH-1N	TEMP. (deg.C)	Eh (mv)	pH (Std. Units)	SPEC. COND. (Us/cm)	TURB. (NTU)	COLOR (Units)	ALK. (mg/L CaCO ₃)	HARD. (mg/L CaCO ₃)	TDS (mg/L)	Cl (mg/L)	SO4 (mg/L)	S (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	-	-	-	-	-	-	-	-	-
Leachate												
13-Feb-04	5.1	-36	7.4	1323	14	100	680	590	1200	280	110	< 0.1
20-Aug-04	16.8	15	6.3	3610	26	40	1300	737	1830	263	< 50	< 0.1
08-Apr-05	6.8	-40	7.5	474	6	75	250	225	352	22	106	< 0.1
11-May-06	16.7	-80	7.7	1294	16	30	430	470	652	60	66	< 0.1
16-Aug-07	28.8	-74	7.3	924	3	22	110	86	212	2	40	< 0.1
25-Nov-08	8.5	-56	8.0	401	3	10	230	71	125	19	25	< 0.1
27-Feb-09	7.2	-81	8.5	420	12	12	140	76	768	2	45	< 0.1
17-May-10	16.1	269	6.8	213	35	< 5	150	62	280	3	< 5	< 0.1
15-Jul-11	29.0	72	8.6	538	4	5	140	31	210	2	31	< 0.1
25-Jan-13	4.2	34	7.2	557	1	< 5	170	39	290	3	26	-
03-Apr-13	Frozen	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	20.9	-68	8.9	370	0	11	152	27	236	1	17	0.2
27-Oct-16	10.1	72	8.8	450	2	8	162	29	223	2	15	0.4
07-Apr-17	5.7	3	7.5	330	2	5	159	32	223	2	16	0.4
05-Apr-18	3.3	196	8.2	287	3	12	130	31	191	1	12	0.2
11-Jul-19	28.3	47	8.6	298	1	23	117	25	189	1	10	< 1.0
16-Dec-20	5.9	94	8.7	323	1	6	138	30	203	1	10	0.4
04-Mar-21	0.7	61	8.6	348	4	15	148	33	194	1	10	< 1.0
04-Aug-22	24.1	-176	7.4	5348	>2000	75	1570	952	2080	906	13	< 1.0

CITY OF AUBURN LANDFILL
WATER QUALITY DATA
LANDFILL #1

<== INORGANIC PARAMETERS												
MH-1N	Br (mg/L)	BORON (mg/L)	Cr+6 (mg/L)	NO3-N (mg/L)	NH3-N (mg/L)	TKN (mg/L)	COD (mg/L)	BOD-5 (mg/L)	TOC (mg/L)	T - P (mg/L)	TOTAL PHENOLS (mg/L)	TOTAL CYANIDE (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	-	-	-	-	-	-	-	-	-
<i>Leachate</i>												
13-Feb-04	2.0	0.5	<0.01	2.7	31.0	33.0	71	20	26	0.08	<0.005	<0.010
20-Aug-04	<0.2	1.5	<0.01	<0.2	0.1	0.1	0.15	20	10	-	0.044	<0.010
08-Apr-05	0.4	<0.5	<0.01	0.4	<0.5	<0.5	27	10	6	-	<0.005	<0.010
11-May-06	<0.2	0.3	<0.01	<0.2	7.0	8.4	63	99	30	-	<0.005	<0.010
16-Aug-07	<0.2	0.5	<0.01	0.7	<0.5	1.9	<20	<4	4	-	<0.005	<0.010
25-Nov-08	<0.2	0.3	<0.01	<0.2	<0.5	0.6	<20	<4	<3	-	<0.005	<0.010
27-Feb-09	<0.2	<0.5	<0.01	0.2	<0.5	0.8	<20	<4	<3	-	<0.005	<0.010
17-May-10	<0.4	<0.5	<0.01	0.3	<0.5	<0.5	<20	<4	<3	-	<0.005	<0.010
15-Jul-11	<0.8	<0.5	<0.01	0.5	<0.5	0.5	<20	<4	<3	-	<0.005	<0.010
25-Jan-13	-	<0.5	<0.01	<0.1	<0.5	<0.5	<20	<4	<3	-	<0.050	0.012
03-Apr-13	Frozen		-	-	-	-	-	-	-	-	-	-
17-Sep-15	<1.0	0.04	<0.01	0.5	<0.1	0.5	7	<2	2	-	<0.005	<0.010
27-Oct-16	<1.0	0.02	<0.01	0.6	<0.1	0.5	<5	<2	3	-	<0.005	<0.010
07-Apr-17	<1.0	0.02	<0.01	0.7	<0.1	0.6	6	<2	2	-	<0.005	<0.010
05-Apr-18	<1.0	0.02	<0.01	0.4	<0.1	0.3	5	<2	2	-	<0.005	<0.010
11-Jul-19	<1.0	0.02	<0.01	0.7	<0.1	0.3	5	<2	2	-	<0.005	<0.005
16-Dec-20	<1.0	0.02	<0.01	0.6	<0.1	0.3	7	<2	1	-	<0.005	<0.005
04-Mar-21	<1.0	0.04	<0.01	0.6	<0.1	0.4	<5	<2	2	-	<0.005	<0.005
04-Aug-22	13.1	2.19	<0.01	0.5	229.0	250	1070	170	200	-	0.037	<0.025

	CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1										
	TOTAL METALS ==>										
MH-1N	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	-	-	-	-	-	-	-	-
Leachate											
13-Feb-04	0.15	0.016	< 0.01	0.27	< 0.003	< 0.005	154	< 0.005	< 0.02	0.02	5.7
20-Aug-04	0.17	0.030	0.01	0.49	< 0.003	< 0.005	153	< 0.005	< 0.02	0.02	26.0
08-Apr-05	0.12	0.024	< 0.01	< 0.05	< 0.003	< 0.005	66	< 0.005	< 0.02	0.02	0.4
11-May-06	0.13	< 0.015	< 0.01	0.10	< 0.003	< 0.005	135	< 0.005	0.01	0.01	2.9
16-Aug-07	0.18	< 0.003	< 0.01	< 0.30	< 0.005	< 0.005	21	< 0.050	< 0.05	< 0.02	0.1
25-Nov-08	< 0.05	< 0.003	< 0.01	< 0.03	< 0.005	< 0.005	18	< 0.005	< 0.05	< 0.02	0.1
27-Feb-09	0.07	< 0.003	< 0.01	< 0.30	< 0.005	< 0.005	20	< 0.050	< 0.05	< 0.02	0.4
17-May-10	0.09	< 0.003	< 0.01	< 0.30	< 0.005	< 0.005	17	< 0.050	< 0.05	< 0.02	0.1
15-Jul-11	0.20	< 0.003	< 0.01	< 0.30	< 0.005	< 0.005	9	< 0.050	< 0.05	< 0.02	0.1
25-Jan-13	< 0.05	< 0.015	< 0.05	< 0.30	< 0.005	< 0.005	11	< 0.050	-	< 0.02	0.1
03-Apr-13	Frozen	-	-	-	-	-	-	-	-	-	-
17-Sep-15	0.13	< 0.005	0.003	0.004	0.001	0.0004	8	0.001	0.001	< 0.002	0.0
27-Oct-16	0.08	< 0.005	< 0.005	0.005	< 0.0001	0.0003	10	0.002	< 0.001	0.001	0.0
07-Apr-17	0.15	< 0.060	< 0.01	0.005	< 0.0030	< 0.0050	10	0.003	< 0.050	0.008	0.6
05-Apr-18	< 0.10	< 0.060	< 0.01	< 0.020	< 0.0030	< 0.0050	10	< 0.010	< 0.050	< 0.020	< 0.1
11-Jul-19	0.19	< 0.060	< 0.01	< 0.020	< 0.0030	< 0.0050	8	0.002	< 0.050	< 0.020	< 0.1
16-Dec-20	0.06	< 0.060	< 0.01	0.004	< 0.0030	< 0.0050	10	0.001	< 0.050	< 0.020	< 0.1
04-Mar-21	0.08	< 0.060	< 0.01	0.004	< 0.0030	< 0.0050	11	0.001	< 0.050	< 0.020	0.1
04-Aug-22	8.51	< 0.060	0.16	6.000	0.0011	0.0155	196	0.078	0.011	0.111	985.0

CITY OF AUBURN LANDFILL
WATER QUALITY DATA
LANDFILL #1

<== TOTAL METALS													
MH-1N	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Sn (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Leachate</i>													
13-Feb-04	0.006	50	0.76	<0.0002	<0.030	41	152	<0.005	<0.01	<0.010	<0.3	<0.03	0.05
20-Aug-04	0.052	86	1.60	<0.0002	<0.030	106	378	<0.005	<0.01	<0.010	<0.3	<0.03	0.13
08-Apr-05	<0.003	14	0.24	<0.0002	<0.030	7	8	<0.005	<0.01	<0.010	<0.3	<0.03	0.04
11-May-06	<0.003	32	0.81	0.0002	0.015	13	30	0.014	<0.01	0.008	<0.3	<0.03	0.04
16-Aug-07	<0.003	8	<0.02	<0.0004	<0.030	25	16	<0.005	<0.05	<0.003	<0.3	<0.30	0.03
25-Nov-08	<0.003	6	<0.02	<0.0004	<0.030	39	20	<0.005	<0.05	<0.003	<0.3	<0.03	<0.01
27-Feb-09	<0.003	6	<0.02	<0.0004	<0.030	44	25	<0.005	<0.05	<0.003	<0.3	<0.30	0.03
17-May-10	<0.001	5	<0.02	<0.0004	<0.030	42	30	<0.005	<0.05	<0.003	<0.3	<0.30	<0.01
15-Jul-11	<0.001	2	<0.02	<0.0004	<0.030	55	27	<0.005	<0.05	<0.003	<0.3	<0.30	<0.01
25-Jan-13	<0.005	3	<0.02	<0.0020	<0.030	45	32	<0.025	<0.05	<0.015	-	-	0.01
03-Apr-13	Frozen	-	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	<0.001	1	0.01	0.0001	0.002	67	28	<0.004	0.001	<0.002	-	0.001	0.01
27-Oct-16	<0.002	1	0.002	<0.00004	<0.001	62	30	<0.003	<0.0005	<0.002	-	0.001	0.01
07-Apr-17	<0.005	2	0.008	<0.00020	0.002	61	30	<0.010	<0.0100	<0.010	-	0.002	0.03
05-Apr-18	<0.005	1	<0.010	<0.00020	<0.040	52	26	<0.010	<0.0100	<0.010	-	<0.050	<0.02
11-Jul-19	<0.005	1	<0.010	<0.00020	<0.040	52	25	<0.010	<0.0100	<0.010	-	<0.050	<0.02
16-Dec-20	<0.005	1	<0.010	<0.00020	<0.040	52	26	<0.010	<0.0100	<0.010	-	0.001	<0.02
04-Mar-21	<0.005	1	<0.010	<0.00020	<0.040	52	27	<0.010	<0.0100	<0.010	-	0.001	<0.02
04-Aug-22	0.254	112	4.210	<0.00100	0.053	150	523	0.016	<0.0100	<0.010	-	0.107	0.43

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1											
DISSOLVED METALS											==>
MH-1N	Al (mg/L)	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	-	-	-	-	-	-	-	-
<i>Leachate</i>											
13-Feb-04	-	-	-	-	-	-	-	-	-	-	-
20-Aug-04	-	-	-	-	-	-	-	-	-	-	-
08-Apr-05	-	-	-	-	-	-	-	-	-	-	-
11-May-06	-	-	-	-	-	-	-	-	-	-	-
16-Aug-07	-	-	-	-	-	-	-	-	-	-	-
25-Nov-08	-	-	-	-	-	-	-	-	-	-	-
27-Feb-09	-	-	-	-	-	-	-	-	-	-	-
17-May-10	-	-	-	-	-	-	-	-	-	-	-
15-Jul-11	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-
03-Apr-13	Frozen	-	-	-	-	-	-	-	-	-	-
17-Sep-15	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL WATER QUALITY DATA LANDFILL #1												
< == DISSOLVED METALS												
MH-1N	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Na (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
6NYCRR Part 703 GROUNDWATER STANDARD	-	-	-	-	-	-	-	-	-	-	-	-
Leachate												
13-Feb-04	-	-	-	-	-	-	-	-	-	-	-	-
20-Aug-04	-	-	-	-	-	-	-	-	-	-	-	-
08-Apr-05	-	-	-	-	-	-	-	-	-	-	-	-
11-May-06	-	-	-	-	-	-	-	-	-	-	-	-
16-Aug-07	-	-	-	-	-	-	-	-	-	-	-	-
25-Nov-08	-	-	-	-	-	-	-	-	-	-	-	-
27-Feb-09	-	-	-	-	-	-	-	-	-	-	-	-
17-May-10	-	-	-	-	-	-	-	-	-	-	-	-
15-Jul-11	-	-	-	-	-	-	-	-	-	-	-	-
25-Jan-13	-	-	-	-	-	-	-	-	-	-	-	-
03-Apr-13	Frozen	-	-	-	-	-	-	-	-	-	-	-
17-Sep-15	-	-	-	-	-	-	-	-	-	-	-	-
27-Oct-16	-	-	-	-	-	-	-	-	-	-	-	-
07-Apr-17	-	-	-	-	-	-	-	-	-	-	-	-
05-Apr-18	-	-	-	-	-	-	-	-	-	-	-	-
11-Jul-19	-	-	-	-	-	-	-	-	-	-	-	-
16-Dec-20	-	-	-	-	-	-	-	-	-	-	-	-
04-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-
04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF AUBURN LANDFILL
WATER QUALITY DATA
LANDFILL #1

ORGANIC PARAMETERS (DETECTED)											
MH-1N		==>									
		Acetone (ug/L)	Aceto phenone (ug/L)	Benzene (ug/L)	Chloro- methane (ug/L)	Chloro- benzene (ug/L)	2- Buta- none (ug/L)	Phe- nol (ug/L)	Total Xylene (ug/L)	Iso- phorone (ug/L)	Bis (2-ethyl- hexyl) Phthalate (ug/L)
6NYCRR Part 703 GROUNDWATER STANDARD	Analysis Method	-	-	1	-	-	-	-	-	-	-
<i>Leachate</i>											
13-Feb-04	EPA 8260/8270/8150/8082	17.0	< 50.0	-	-	2 J	16.0	< 50.0	1 J	< 50.0	2 JB
20-Aug-04	EPA 8260/8270/8151/8081	< 100	< 100	-	-	21 JD	< 100	< 100	19 JD	< 10.0	< 10.0
08-Apr-05	EPA 8260/8270/8151/8081	360	< 10.0	-	-	< 10.0	31.0	< 10.0	< 10.0	< 10.0	< 10.0
11-May-06	EPA 8260/8270/8151/8081	1200	6 J	-	-	< 50.0	1200	71.0	< 50.0	6 J	2 J
16-Aug-07	EPA 8260/8270/8151/8081	< 10.0	< 10.0	-	-	< 5.0	< 10.0	< 10.0	< 5.0	< 10.0	< 10.0
25-Nov-08	EPA 8260/8270/8151/8081	< 10.0	< 25.0	-	-	< 5.0	< 10.0	< 25.0	< 10.0	< 25.0	< 25.0
27-Feb-09	EPA 8260/8270/8151/8081	< 10.0	< 10.0	-	-	< 5.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
17-May-10	EPA 8260/8270/8151/8081	< 10.0	< 10.0	-	-	< 5.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
15-Jul-11	EPA 8260/8270/8151/8081	< 10.0	< 5.0	-	-	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0
25-Jan-13	EPA 601/602	-	-	-	-	< 1.0	-	-	< 2.0	-	-
03-Apr-13	Frozen	-	-	-	-	-	-	-	-	-	-
17-Sep-15	EPA 8260/8270/8151/8081	< 10.0	< 5.0	-	-	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0
27-Oct-16	EPA 8260/8270/8151/8081	< 9.4	< 5.0	-	-	< 5.0	< 10.0	< 5.0	< 10.0	< 5.0	< 5.0
07-Apr-17	EPA 8260/8270/8151/8081	< 10.0	< 9.4	-	-	< 5.0	< 10.0	< 9.4	< 10.0	< 9.4	< 9.4
05-Apr-18	EPA 8260/8270/8151/8081	< 10.0	< 9.4	-	-	< 5.0	< 10.0	< 9.4	< 10.0	< 9.4	< 9.4
11-Jul-19	EPA 8260/8270/8151/8081	5.3 BJ	< 9.5	-	-	< 5.0	< 10.0	< 9.5	< 10.0	< 9.5	< 9.5
16-Dec-20	EPA 8260/8270/8151/8081	< 10.0	< 9.5	-	-	< 5.0	< 10.0	< 9.5	< 10.0	< 9.5	< 9.5
04-Mar-21	EPA 8260/8270/8151/8081	< 10.0	< 10.0	-	-	< 5.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
04-Aug-22	EPA 8260/8270/8151/8081	15.0	< 10.0	2.5 J	1.1 J	19.0	< 10.0	< 10.0	5.8	< 10.0	< 10.0

CITY OF AUBURN LANDFILL
WATER QUALITY DATA
LANDFILL #1

<==		ORGANIC PARAMETERS (DETECTED)								
MH-1N		Naph- thalene (ug/L)	4-Methyl- 2-penta- none (ug/L)	2- Methyl- phenol (ug/L)	3+4- Methyl- phenol (ug/L)	Diethyl- phthalate (ug/L)	Dimethyl- phthalate (ug/L)	Carbon Disulfide (ug/L)	Kepone (ug/L)	SUM OF ORGANIC COMPOUNDS (DETECTED)
6NYCRR Part 703 GROUNDWATER STANDARD	Analysis Method	-	-	-	-	-	-	-	-	-
<i>Leachate</i>										
13-Feb-04	EPA 8260/8270/8150/8082	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	34.0	-	-	72.0
20-Aug-04	EPA 8260/8270/8151/8081	3 J	< 10.0	< 10.0	1 J	< 10.0	110 D	-	-	154
08-Apr-05	EPA 8260/8270/8151/8081	< 10.0	21.0	< 10.0	< 10.0	< 10.0	< 10.0	-	-	41.0
11-May-06	EPA 8260/8270/8151/8081	< 10.0	50 J	5 J	< 10.0	1 J	< 10.0	-	-	2473
16-Aug-07	EPA 8260/8270/8151/8082	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	-	-	0.0
25-Nov-08	EPA 8260/8270/8151/8081	< 25.0	< 10.0	< 25.0	< 25.0	< 25.0	< 25.0	-	-	0.0
27-Feb-09	EPA 8260/8270/8151/8081	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	-	-	0.0
17-May-10	EPA 8260/8270/8151/8081	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	-	-	0.0
15-Jul-11	EPA 8260/8270/8151/8081	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	-	-	0.0
25-Jan-13	EPA 601/602	-	-	-	-	-	-	-	-	0.0
03-Apr-13	Frozen	-	-	-	-	-	-	-	-	-
17-Sep-15	EPA 8260/8270/8151/8081	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	-	-	0.0
27-Oct-16	EPA 8260/8270/8151/8081	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	0.22 J	-	0.0
07-Apr-17	EPA 8260/8270/8151/8081	< 5.0	< 10.0	< 9.4	< 9.4	< 9.4	< 9.4	< 10.0	-	0.0
05-Apr-18	EPA 8260/8270/8151/8081	< 5.0	< 10.0	< 9.4	< 9.4	< 9.4	< 9.4	< 10.0	-	0.0
11-Jul-19	EPA 8260/8270/8151/8081	< 5.0	< 10.0	< 9.5	< 9.5	< 9.5	< 9.5	0.46 J	-	5.8
16-Dec-20	EPA 8260/8270/8151/8081	< 5.0	< 10.0	< 9.5	< 9.5	< 9.5	< 9.5	< 10.0	4.7 J	4.7
04-Mar-21	EPA 8260/8270/8151/8081	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	0.0
04-Aug-22	EPA 8260/8270/8151/8081	2 J	0.26 J	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	45.7

Appendix D

	CITY OF AUBURN LANDFILL WATER LEVEL ELEVATION DATA LANDFILL 1							
	MW-3		MW-4AA		MW-4B		MW-4C	
GROUND SURFACE ELEVATION	544.68		616.62		616.62		618.38	
TOP OF PVC PIPE ELEVATION	545.77		618.88		618.95		620.25	
DATE	water level	elevation	water level	elevation	water level	elevation	water level	elevation
2/4/2004	Damaged	-	7.38	611.50	8.75	610.20	Damaged	-
5/6/2004	Damaged	-	4.87	614.01	6.89	612.06	Damaged	-
8/4/2004	Damaged	-	7.36	611.52	7.48	611.47	Damaged	-
11/5/2004	3.09	542.68	10.00	608.88	10.53	608.42	68.03	552.22
4/6/2005	2.60	543.17	5.02	613.86	6.33	612.62	66.23	554.02
5/23/2006	2.91	542.86	6.79	612.09	7.89	611.06	67.63	552.62
8/10/2007	7.04	538.73	DRY	-	14.55	604.40	71.36	548.89
11/18/2008	2.84	542.93	10.63	608.25	13.67	605.28	68.42	551.83
2/19/2009	2.95	542.82	6.85	612.03	7.36	611.59	67.11	553.14
5/10/2010	2.58	543.19	7.21	611.67	8.70	610.25	67.41	552.84
7/13/2011	5.02	540.75	11.41	607.47	11.35	607.60	68.43	551.82
10/10/2012	4.28	541.49	DRY	-	22.41	596.54	71.26	548.99
1/22/2013	3.24	542.53	7.52	611.36	10.98	607.97	67.90	552.35
4/2/2014	2.57	543.20	5.86	613.02	6.50	612.45	66.66	553.59
8/11/2015	5.00	540.77	8.62	610.26	8.54	610.41	Unable to Sample	-
10/24/2016	2.75	543.02	DRY	-	23.27	595.68	70.34	549.91
4/5/2017	2.36	543.41	5.59	613.29	6.10	612.85	65.65	554.60
4/4/2018	2.55	543.22	6.07	612.81	6.60	612.35	66.08	554.17
7/10/2019	3.01	542.76	7.67	611.21	7.70	611.25	66.61	553.64
12/14/2020	2.73	543.04	DRY	-	25.60	593.35	68.32	551.93
3/2/2021	2.44	543.33	5.84	613.04	7.75	611.20	66.72	553.53
8/4/2022	5.30	540.47	11.49	607.39	11.24	607.71	67.80	552.45

	CITY OF AUBURN LANDFILL WATER LEVEL ELEVATION DATA LANDFILL 1							
	MW-5AA		MW-5B		MW-7AA		MW-7BB	
GROUND SURFACE ELEVATION	548.45		548.80		558.51		558.78	
TOP OF PVC PIPE ELEVATION	550.78		550.66		560.68		560.74	
DATE	water level	elevation	water level	elevation	water level	elevation	water level	elevation
2/4/2004	Artesian	-	2.74	547.92	3.14	557.54	Frozen	-
5/6/2004	Artesian	-	2.31	548.35	3.21	557.47	2.14	558.60
8/4/2004	Artesian	-	2.77	547.89	3.72	556.96	2.29	558.45
11/5/2004	Artesian	-	2.12	548.54	3.01	557.67	2.69	558.05
4/6/2005	Artesian	-	2.20	548.46	3.06	557.62	1.99	558.75
5/23/2006	Artesian	-	2.20	548.46	3.06	557.62	2.60	558.14
8/8/2007	Artesian	-	6.30	544.36	5.53	555.15	3.97	556.77
11/18/2008	Artesian	-	2.08	548.58	2.13	558.55	3.17	557.57
2/19/2009	Artesian	-	2.04	548.62	Frozen	-	Frozen	-
5/11/2010	Artesian	-	2.14	548.52	3.77	556.91	1.53	559.21
7/13/2011	Artesian	-	5.71	544.95	5.18	555.50	3.51	557.23
10/11/2011	Artesian	-	6.57	544.09	2.63	558.05	3.71	557.03
1/22/2013	Artesian	-	Frozen	-	3.46	557.22	Frozen	-
4/2/2014	Artesian	-	2.06	548.60	2.56	558.12	1.75	558.99
8/11/2015	Artesian	-	3.32	547.34	4.94	555.74	2.11	558.63
10/24/2016	Artesian	-	3.07	547.59	2.70	557.98	1.77	558.97
4/5/2017	Artesian	-	2.49	548.17	3.52	557.16	0.50	560.24
4/4/2018	Artesian	-	2.13	548.53	2.20	558.48	0.60	560.14
7/8/2019	Artesian	-	2.49	548.17	2.62	558.06	1.32	559.42
12/14/2020	Artesian	-	2.64	548.02	3.28	557.40	2.87	557.87
3/2/2021	Artesian	-	1.93	548.73	3.16	557.52	2.29	558.45
8/4/2022	Artesian	-	4.05	546.61	5.32	555.36	3.23	557.51

	CITY OF AUBURN LANDFILL WATER LEVEL ELEVATION DATA LANDFILL 1							
	MW-11B		MW-11C		MW-18AA		MW-18CC	
GROUND SURFACE ELEVATION	-		-		552.72		552.59	
TOP OF PVC PIPE ELEVATION	-		-		555.17		555.49	
DATE	water level	elevation	water level	elevation	water level	elevation	water level	elevation
2/4/2004	-	-	-	-	Frozen	-	Artesian	-
5/6/2004	-	-	-	-	0.41	554.76	Artesian	-
8/4/2004	-	-	-	-	0.30	554.87	Artesian	-
11/5/2004	-	-	-	-	1.29	553.88	Artesian	-
4/6/2005	55.90	-	54.92	-	Artesian	-	Artesian	-
5/23/2006	51.39	-	52.48	-	1.15	554.02	Artesian	-
8/8/2007	54.97	-	55.08	-	3.01	552.16	Artesian	-
11/18/2008	52.01	-	52.30	-	1.14	554.03	Artesian	-
2/25/2009	50.95	-	52.13	-	Frozen	-	Artesian	-
5/12/2010	51.05	-	52.19	-	0.80	554.37	Artesian	-
7/13/2011	52.34	-	55.49	-	1.69	553.48	Artesian	-
10/13/2011	55.22	-	55.96	-	3.02	552.15	Artesian	-
1/22/2013	51.65	-	52.60	-	Frozen	-	Artesian	-
4/2/2014	51.27	-	51.45	-	Artesian	-	Artesian	-
8/10/2015	49.96	-	52.03	-	Artesian	-	0.42	555.07
10/24/2016	54.07	-	54.72	-	1.80	553.37	Artesian	-
5/8/2017	49.59	-	50.69	-	Artesian	-	Artesian	-
4/3/2018	49.89	-	50.92	-	Artesian	-	Artesian	-
7/8/2019	50.42	-	51.43	-	0.40	554.77	Artesian	-
12/14/2020	52.05	-	52.81	-	1.48	553.69	Artesian	-
3/2/2021	50.42	-	51.40	-	Artesian	-	Artesian	-
8/2/2022	51.62	-	52.58	-	1.77	553.40	Artesian	-

	CITY OF AUBURN LANDFILL WATER LEVEL ELEVATION DATA LANDFILL 1							
	MW-19AA		MW-19CC		MW-20AA		MW-20C	
GROUND SURFACE ELEVATION	555.58		555.98		557.66		548.11	
TOP OF PVC PIPE ELEVATION	556.83		557.68		559.84		550.51	
DATE	water level	elevation	water level	elevation	water level	elevation	water level	elevation
2/4/2004	3.03	553.80	Frozen	-	3.98	555.86	Frozen	-
5/6/2004	2.89	553.94	Artesian	-	3.71	556.13	Artesian	-
8/4/2004	2.67	554.16	Artesian	-	3.27	556.57	Artesian	-
11/5/2004	Artesian	-	2.98	554.70	4.04	555.80	Artesian	-
4/6/2005	2.64	554.19	Artesian	-	3.42	556.42	Artesian	-
5/25/2006	3.20	553.63	Artesian	-	4.12	555.72	Artesian	-
8/8/2007	4.60	552.23	Artesian	-	4.80	555.04	Artesian	-
11/18/2008	2.26	554.57	Artesian	-	4.39	555.45	Artesian	-
2/19/2009	1.68	555.15	Frozen	-	2.57	557.27	Frozen	-
5/10/2010	1.77	555.06	Artesian	-	2.91	556.93	Artesian	-
7/13/2011	3.25	553.58	Artesian	-	Damaged	-	Artesian	-
10/16/2012	3.27	553.56	0.96	556.72	Dry	-	0.45	550.06
1/22/2013	3.03	553.80	Frozen	-	Damaged	-	Artesian	-
4/2/2014	1.49	555.34	1.10	556.58	Damaged	-	Artesian	-
8/11/2015	2.23	554.60	Artesian	-	Damaged	-	Artesian	-
10/24/2016	3.23	553.60	Artesian	-	Damaged	-	0.10	550.41
4/5/2017	1.15	555.68	Artesian	-	Damaged	-	Artesian	-
4/4/2018	1.27	555.56	Artesian	-	Damaged	-	Artesian	-
7/9/2019	1.48	555.35	Artesian	-	Damaged	-	Artesian	-
12/14/2020	4.37	552.46	0.50	557.18	Damaged	-	Artesian	-
3/2/2021	3.83	553.00	Frozen	-	Damaged	-	Frozen	-
8/3/2022	3.00	553.83	Artesian	-	Damaged	-	Artesian	-

	CITY OF AUBURN LANDFILL WATER LEVEL ELEVATION DATA LANDFILL 1							
	MW-21A		MW-21C		MW-22A		MW-22C	
GROUND SURFACE ELEVATION	541.35		541.16		543.20		543.02	
TOP OF PVC PIPE ELEVATION	543.75		543.56		545.70		545.52	
DATE	water level	elevation	water level	elevation	water level	elevation	water level	elevation
2/4/2004	Frozen	-	Frozen	-	Artesian	-	Frozen	-
5/6/2004	Artesian	-	Artesian	-	Artesian	-	Artesian	-
8/4/2004	Artesian	-	Artesian	-	Artesian	-	Artesian	-
11/5/2004	Artesian	-	Artesian	-	Artesian	-	Artesian	-
4/6/2005	Artesian	-	Artesian	-	Artesian	-	Artesian	-
5/25/2006	Artesian	-	Artesian	-	Artesian	-	Artesian	-
8/8/2007	Artesian	-	Artesian	-	Artesian	-	Artesian	-
11/18/2008	Artesian	-	Artesian	-	Artesian	-	Artesian	-
2/19/2009	Frozen	-	Artesian	-	Artesian	-	Artesian	-
5/10/2010	Artesian	-	Artesian	-	Artesian	-	Artesian	-
7/13/2011	Artesian	-	Artesian	-	Artesian	-	Artesian	-
10/11/2012	Artesian	-	Artesian	-	Artesian	-	Artesian	-
1/22/2013	Frozen	-	Artesian	-	Artesian	-	Artesian	-
4/2/2014	Artesian	-	Artesian	-	Artesian	-	Artesian	-
8/11/2015	Artesian	-	Artesian	-	Artesian	-	Artesian	-
10/24/2016	0.10	543.65	Artesian	-	Artesian	-	Artesian	-
4/5/2017	Artesian	-	Artesian	-	Artesian	-	Artesian	-
4/4/2018	Artesian	-	Artesian	-	Artesian	-	Artesian	-
7/8/2019	Artesian	-	Artesian	-	Artesian	-	Artesian	-
12/14/2020	Artesian	-	Artesian	-	Artesian	-	Artesian	-
3/2/2021	Artesian	-	Artesian	-	Artesian	-	Artesian	-
3/3/2022	Artesian	-	Artesian	-	Artesian	-	Artesian	-

	CITY OF AUBURN LANDFILL WATER LEVEL ELEVATION DATA LANDFILL 1							
	MW-23AA		MW-23C		MW-24A		MW-24C	
GROUND SURFACE ELEVATION	572.03		571.80		598.12		598.54	
TOP OF PVC PIPE ELEVATION	574.43		574.30		600.62		600.53	
DATE	water level	elevation	water level	elevation	water level	elevation	water level	elevation
2/4/2004	9.22	565.21	22.31	551.99	4.44	596.18	Dry	-
5/6/2004	7.33	567.10	15.43	558.87	3.21	597.41	Dry	-
8/4/2004	8.49	565.94	21.92	552.38	2.89	597.73	Dry	-
11/5/2004	8.59	565.84	22.51	551.79	3.51	597.11	Dry	-
4/6/2005	8.44	565.99	21.47	552.83	3.21	597.41	Dry	-
5/23/2006	8.58	565.85	22.42	551.88	3.36	597.26	Dry	-
8/8/2007	9.90	564.53	24.36	549.94	4.87	595.75	Dry	-
11/18/2008	8.96	565.47	22.85	551.45	2.51	598.11	Dry	-
2/19/2009	8.40	566.03	21.88	552.42	Frozen	-	Dry	-
5/10/2010	8.90	565.53	22.40	551.90	2.72	597.90	Dry	-
7/13/2011	9.75	564.68	22.98	551.32	5.08	595.54	Dry	-
10/11/2012	10.79	563.64	23.22	551.08	6.33	594.29	Dry	-
1/22/2013	9.59	564.84	22.68	551.62	Frozen	-	Dry	-
4/2/2014	8.62	565.81	21.70	552.60	3.18	597.44	Dry	-
8/11/2015	9.05	565.38	22.04	552.26	5.10	595.52	Dry	-
10/24/2016	10.13	564.30	24.12	550.18	6.30	594.32	27.40	573.13
5/8/2017	8.45	565.98	21.28	553.02	3.35	597.27	Dry	-
4/3/2018	8.35	566.08	21.43	552.87	2.22	598.40	Dry	-
7/8/2019	9.18	565.25	21.81	552.49	2.80	597.82	Dry	-
12/14/2020	9.16	565.27	22.74	551.56	3.65	596.97	Dry	-
3/2/2021	8.75	565.68	21.93	552.37	3.11	597.51	Dry	-
8/2/2022	9.94	564.49	22.40	551.90	4.77	595.85	Dry	-

	CITY OF AUBURN LANDFILL WATER LEVEL ELEVATION DATA LANDFILL 1							
	MW-25A		MW-25CC		MW-26A		MW-26C	
GROUND SURFACE ELEVATION	588.71		589.06		571.75		572.66	
TOP OF PVC PIPE ELEVATION	591.11		591.56		574.25		575.06	
DATE	water level	elevation	water level	elevation	water level	elevation	water level	elevation
2/4/2004	2.17	588.94	23.91	567.65	2.49	571.76	12.48	562.58
5/6/2004	1.87	589.24	17.81	573.75	2.83	571.42	11.46	563.60
8/4/2004	1.68	589.43	22.69	568.87	2.71	571.54	11.96	563.10
11/5/2004	2.16	588.95	24.89	566.67	2.48	571.77	12.44	562.62
4/6/2005	1.39	589.72	21.34	570.22	2.54	571.71	11.55	563.51
5/23/2006	1.91	589.20	24.10	567.46	2.59	571.66	12.00	563.06
8/9/2007	4.83	586.28	27.50	564.06	5.82	568.43	13.65	561.41
11/18/2008	1.91	589.20	25.49	566.07	1.38	572.87	11.97	563.09
2/25/2009	1.45	589.66	22.62	568.94	1.56	572.69	11.98	563.08
5/11/2010	2.51	588.60	23.31	568.25	1.42	572.83	11.79	563.27
7/18/2011	4.64	586.47	24.60	566.96	5.04	569.21	12.82	562.24
10/15/2012	5.28	585.83	28.91	562.65	2.28	571.97	12.99	562.07
1/23/2013	Frozen	-	24.30	567.26	1.91	572.34	11.94	563.12
4/2/2014	2.36	588.75	22.05	569.51	2.08	572.17	11.05	564.01
8/10/2015	3.11	588.00	22.71	568.85	4.34	569.91	12.13	562.93
10/26/2016	2.16	588.95	27.17	564.39	2.12	572.13	12.76	562.30
5/8/2017	2.37	588.74	20.51	571.05	1.30	572.95	10.89	564.17
4/3/2018	0.99	590.12	20.96	570.60	1.47	572.78	10.58	564.48
7/8/2019	3.02	588.09	21.51	570.05	2.67	571.58	11.38	563.68
12/14/2020	3.1	588.01	24.73	566.83	1.7	572.55	11.69	563.37
3/2/2021	2.11	589.00	22.31	569.25	1.47	572.78	10.85	564.21
8/2/2022	5.2	585.91	22.81	568.75	2.71	571.54	12.38	562.68

	CITY OF AUBURN LANDFILL WATER LEVEL ELEVATION DATA LANDFILL 1							
	MW-28A		MW-28B		MW-29A		MW-29B	
GROUND SURFACE ELEVATION	0.00		0.00		0.00		0.00	
TOP OF PVC PIPE ELEVATION	0.00		0.00		0.00		0.00	
DATE	water level	elevation	water level	elevation	water level	elevation	water level	elevation
2/4/2004	5.05	-	8.66	-	Artesian	-	Artesian	-
5/6/2004	3.03	-	7.28	-	Artesian	-	Artesian	-
8/4/2004	3.78	-	7.40	-	Artesian	-	Artesian	-
11/5/2004	5.93	-	9.31	-	Artesian	-	Artesian	-
4/6/2005	1.46	-	5.89	-	Artesian	-	Artesian	-
5/25/2006	5.43	-	9.12	-	Artesian	-	Artesian	-
8/8/2007	8.63	-	11.10	-	Artesian	-	Artesian	-
11/18/2008	6.57	-	9.42	-	Artesian	-	Artesian	-
2/25/2009	4.29	-	7.36	-	Artesian	-	Artesian	-
5/12/2010	4.89	-	8.92	-	Artesian	-	Artesian	-
9/19/2011	6.75	-	11.14	-	Artesian	-	Artesian	-
10/15/2012	9.69	-	5.67	-	Artesian	-	Artesian	-
1/22/2013	4.75	-	8.14	-	Artesian	-	Artesian	-
4/2/2014	3.33	-	5.21	-	0.50	-	Artesian	-
9/16/2015	7.62	-	10.73	-	0.50	-	Artesian	-
10/25/2016	7.16	-	12.37	-	Artesian	-	Artesian	-
5/8/2017	2.35	-	6.34	-	Artesian	-	Artesian	-
4/5/2018	2.79	-	6.94	-	Artesian	-	Artesian	-
7/10/2019	3.72	-	8.71	-	Artesian	-	Artesian	-
12/15/2020	5.74	-	12.07	-	Artesian	-	Artesian	-
3/2/2021	3.72	-	8.02	-	Artesian	-	Artesian	-
8/4/2022	4.22	-	10.98	-	Artesian	-	Artesian	-

	CITY OF AUBURN LANDFILL WATER LEVEL ELEVATION DATA LANDFILL 1							
	MW-30A		MW-30B					
GROUND SURFACE ELEVATION	0.00		0.00					
TOP OF PVC PIPE ELEVATION	0.00		0.00					
DATE	water level	elevation	water level	elevation				
2/4/2004	Artesian	-	Artesian	-				
5/6/2004	Artesian	-	Artesian	-				
8/4/2004	Artesian	-	Artesian	-				
11/5/2004	Artesian	-	Artesian	-				
4/6/2005	Artesian	-	Artesian	-				
5/12/2006	-	-	-	-				
5/25/2006	Artesian	-	Artesian	-				
8/8/2007	Artesian	-	Artesian	-				
11/18/2008	Artesian	-	Artesian	-				
2/25/2009	Artesian	-	Artesian	-				
5/12/2010	Artesian	-	Artesian	-				
7/14/2011	Artesian	-	Artesian	-				
10/15/2012	Artesian	-	Artesian	-				
1/22/2013	Artesian	-	Artesian	-				
4/2/2014	Artesian	-	Frozen	-				
9/16/2015	Unable to Locate	-	Unable to Locate	-				
10/25/2016	Artesian	-	Artesian	-				
5/8/2017	Artesian	-	Artesian	-				
4/5/2018	Artesian	-	Artesian	-				
7/10/2019	Artesian	-	Artesian	-				
12/15/2020	Artesian	-	Artesian	-				
3/2/2021	Artesian	-	Artesian	-				
8/4/2022	Artesian	-	Artesian	-				

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