



October 11, 2023

Beverly Tipton, EM Unit Manager
Georgia Environmental Protection Division
Land Protection Branch
4244 International Parkway
Suite 104
Atlanta, Georgia

Re: Eagle Point Landfill
Permit Number: 058-012D(MSWL)
2nd 2023 Semi-Annual Sampling Event

Dear Ms. Tipton,

Please see the enclosed *Semi-Annual Water Quality Report – Second Event of 2023 (N46)* prepared by Bunnell-Lammons Engineering for Eagle Point Landfill. As you are aware, the site is currently in limited assessment monitoring as a result of benzene detections below the MCL at GWC-11 and GWC-12. As part of the limited assessment monitoring program, sampling and analysis for *Appendix II* parameters has been conducted at GWA-1 (7 events), GWA-2 (7 events), GWC-11 (1 event), and GWC-12 (7 events). During each of these assessment monitoring events, no additional *Appendix II* parameters have been detected at the groundwater monitoring wells.

The subject report contains a request to discontinue the sampling and analysis of the *Appendix II* monitoring parameters at GWA-1, GWA-2, and GWC-12R in accordance with the Georgia Rule 391-3-4-.14 (25).

We request the EPD review and approve the proposed monitoring program changes in the sampling schedule attached to this letter. Please do not hesitate to contact us during your review process. If you require any additional information or have any questions, please contact Scott Mann, General Manager at scott.mann@gflenv.com or Batini Robinson, Regional Environmental Compliance Manager at (770) 630-3046 or batinirobinson@gflenv.com.

Sincerely,

A handwritten signature in blue ink that reads 'Scott Mann'.

Scott Mann
Landfill General Manager

cc: Ed Hood, GFL
Batini Robinson, GFL
Robert Heller, HHNT
Andrew Alexander, BLE
Riley Blais, BLE

Attachments: Summary Table of Proposed Sampling
Semi-Annual Sampling Report 2nd Event 2023

**Summary Table of Proposed Sampling
Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

	Station ID	January		July	
		Analytical Suite	Field Parameters	*Analytical Suite*	Field Parameters
Background Wells	GWA-1	A-I	Yes	A-I	Yes
	GWA-2	A-I	Yes	A-I	Yes
Compliance Wells	GWC-1	A-I	Yes	A-I	Yes
	GWC-2	A-I	Yes	A-I	Yes
	GWC-3	A-I	Yes	A-I	Yes
	GWC-4	A-I	Yes	A-I	Yes
	GWC-5	A-I	Yes	A-I	Yes
	GWC-6	A-I	Yes	A-I	Yes
	GWC-7	A-I	Yes	A-I	Yes
	GWC-7A	A-I	Yes	A-I	Yes
	GWC-8	A-I	Yes	A-I	Yes
	GWC-9	A-I	Yes	A-I	Yes
	GWC-10	A-I	Yes	A-I	Yes
	GWC-10D*	WL*	-	WL*	-
	GWC-11	A-I	Yes	A-II	Yes
	GWC-12R	A-I	Yes	A-I	Yes
	GWC-13	WL	-	WL	-
	GWC-13R	A-I	Yes	A-I	Yes
	GWC-14R	A-I	Yes	A-I	Yes
	GWC-15	A-I	Yes	A-I	Yes
	GWC-16	A-I	Yes	A-I	Yes
	GWC-17	A-I	Yes	A-I	Yes
	GWC-18	A-I	Yes	A-I	Yes
	GWC-19	A-I	Yes	A-I	Yes
	GWC-20	A-I	Yes	A-I	Yes
	GWC-21	A-I	Yes	A-I	Yes
	GWC-22	A-I	Yes	A-I	Yes
	GWC-23	A-I	Yes	A-I	Yes
	GWC-24	A-I	Yes	A-I	Yes
	GWC-25	A-I	Yes	A-I	Yes
	GWC-26	A-I	Yes	A-I	Yes
GWC-27	A-I	Yes	A-I	Yes	
GWC-28	A-I	Yes	A-I	Yes	
GWC-29	A-I	Yes	A-I	Yes	
Surface Water	SWA-1	SW-I	pH Only	SW-I	pH Only
	SWC-1	SW-I	pH Only	SW-I	pH Only
	SWC-2	SW-I	pH Only	SW-I	pH Only
	SWC-4	SW-I	pH Only	SW-I	pH Only
	SWC-9	SW-I	pH Only	SW-I	pH Only
	SWC-10	SW-I	pH Only	SW-I	pH Only
	SWC-11	SW-I	pH Only	SW-I	pH Only
	SWC-12	SW-I	pH Only	SW-I	pH Only
	SWC-13	SW-I	pH Only	SW-I	pH Only
Underdrains	SWC-5	SW-I	pH Only	SW-I	pH Only
	SWC-6	SW-I	pH Only	SW-I	pH Only
	SWC-7	SW-I	pH Only	SW-I	pH Only
	SWC-8	SW-I	pH Only	SW-I	pH Only
Quality Control	Trip Blank	A-1 VOC	-	A-1 VOC	-
	Field Blank	A-1	-	A-1	-

Notes:

A-I = GA Appendix I VOCs and Total Metals

A-1 VOC = Appendix I VOCs Only

A-II = GA Appendix II VOCs and Total Metals

WL = Water Level Only

Field Parameters = pH, Specific Conductance, Temperature, and Turbidity

SW-I = Chloride, Total Dissolved Solids, Appendix I VOCs

* GWC-10D is sampled if GWC-10 is dry.

SEMI-ANNUAL WATER QUALITY MONITORING REPORT

SECOND EVENT OF 2023 (N46)

EAGLE POINT MSW AND C&D LANDFILL
FORSYTH COUNTY, GEORGIA
FACILITY PERMIT #058-012D (MSWL)

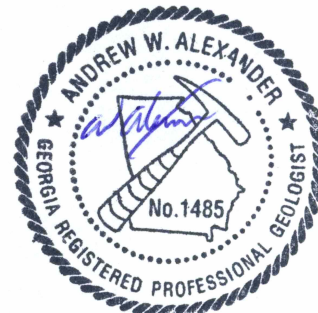


Prepared For:

Eagle Point Landfill, LLC
8880 Old Federal Road
Ball Ground, Georgia 30107

BLE Project Number J23-1472-181

October 11, 2023



PEF002542 Exp. 06/30/2024



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BLECORP.COM



October 11, 2023

Eagle Point Landfill, LLC
8880 Old Federal Road
Ball Ground, Georgia 30107

Attention: Mr. Scott Mann
Landfill General Manager

Subject: **Semi-Annual Water Quality Report
Second Event of 2023 (N46)
Eagle Point MSW and C&D Landfill**
Forsyth County, Georgia
Solid Waste Permit Number 058-012D (MSWL)
BLE Project Number J23-1472-181

Mr. Mann:

As authorized, Bunnell-Lammons Engineering, Inc. (BLE) has evaluated the water quality data obtained during sampling event N46 at the Eagle Point Municipal Solid Waste (MSW) and Construction and Demolition (C&D) Landfill in Forsyth County, Georgia. The enclosed report describes the work performed and presents the results obtained. The purpose of this work is to: 1) statistically compare the laboratory analytical results of groundwater samples from the background monitoring wells to the downgradient monitoring wells at the subject MSW landfill in accordance with Georgia solid waste regulations; and 2) prepare a report of the sampling event and statistical results for submittal to the Georgia Department of Natural Resources, Environmental Protection Division in accordance with Rule 391-3-4-.14.

We appreciate the opportunity to serve as your geological consultant on this project and look forward to working with you on future projects. If you have any questions, please contact us at (864) 288-1265.

Sincerely,

BUNNELL LAMMONS ENGINEERING INC.

Riley L. Blais, G.I.T.
Staff Hydrogeologist

Andrew W. Alexander, P.G.
Consultant Hydrogeologist
Registered, Georgia #1485



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1.0 BACKGROUND INFORMATION

The Eagle Point Municipal Solid Waste (MSW) and Construction and Demolition (C&D) Landfill is located in Forsyth County, Georgia (**Figure 1**) and operated by Eagle Point Landfill, LLC (EPL). There are thirty-four (34) groundwater monitoring wells at the site consisting of two (2) background wells and thirty-two (32) downgradient wells. Additionally, there are four (4) underdrain sampling locations and nine (9) surface water sampling locations. New monitoring wells and surface water sampling locations have been added to the environmental monitoring system for the site as new waste cells have been developed. C&D Cells No. 3A, 3B, and 4, and MSW Cells No. 1A, 1B, 2A, 2B, and 5 through 16B have been constructed. The resulting monitoring systems are summarized in the following three tables.

GROUNDWATER MONITORING SYSTEM			
Background Wells	Downgradient Wells		
GWA-1	GWC-1	GWC-10	GWC-19
GWA-2	GWC-2	GWC-10D (sample if GWC-10 dry)	GWC-20
	GWC-3	GWC-11	GWC-21
	GWC-4	GWC-12R	GWC-22
	GWC-5	GWC-13 (water level only)	GWC-23
	GWC-6	GWC-13R	GWC-24
	GWC-7	GWC-14R	GWC-25
	GWC-7A	GWC-15	GWC-26
	GWC-8	GWC-16	GWC-27
	GWC-9	GWC-17	GWC-28
		GWC-18	GWC-29

UNDERDRAIN MONITORING SYSTEM
SWC-5
SWC-6
SWC-7
SWC-8

SURFACE WATER MONITORING SYSTEM	
Background Location	Downgradient Locations
SWA-1	SWC-1
	SWC-2
	SWC-4
	SWC-9
	SWC-10
	SWC-11
	SWC-12
	SWC-13

A total of forty-six (46) semi-annual sampling events have been performed between March 2002 and July 2023. This report presents data from the second semi-annual sampling event in 2023. The water samples were collected and analyzed in accordance with the Design and Operations Plan (D&O), the EPD guidance document titled *Monitoring of Surface Water and Underdrain Systems at Solid Waste Facilities* dated September 2021, and **Table 1**.

2.0 FIELD ACTIVITIES, SAMPLING, AND ANALYSIS

The semi-annual water quality sampling for event N46 was performed on July 10-13, 2023. Sampling activities were performed by Environmental Monitoring Services, Inc. (EMS) of Ackworth, Georgia, and analyzed by Pace Analytical Services, LLC (Pace) of Columbia, South Carolina. This is the first semi-annual event utilizing Pace for analytical services. The method detection limits utilized by Pace are the same as or lower than the previous laboratory.

Field sampling procedures and laboratory testing followed the facility’s most recent Georgia Environmental Protection Division (EPD) approved Design and Operation (D&O) plan and the sampling matrix (**Table 1**). Specific field sampling procedures used by EMS (i.e., methods and equipment [pumps, tubing, bailers, etc.] used for each well) and analytical methods performed by Pace are included in the sampling/laboratory report attached in **Appendix A**.

Groundwater samples were collected from 32 of the 34 well locations. Groundwater monitoring wells GWC-13 and GWC-10D are utilized for water level only and are not sampled (**Table 1**).

The groundwater samples were analyzed in the laboratory by Pace for the EPD *Appendix I* list of constituents consisting of total metals and volatile organic compounds (VOCs) and in the field by EMS for pH, specific conductance, temperature, and turbidity. The sampling results are included in the summary table in **Appendix B**.

Water samples were collected from the 4 underdrain sampling locations (SWC-5, SWC-6, SWC-7, and SWC-8). The underdrain samples were analyzed in the laboratory by Pace for chloride, total dissolved solids (TDS), and the *Appendix I* list of VOCs and in the field by EMS for pH and temperature. The sampling results are included in the summary table in **Appendix C**.

Surface water samples were collected from 6 of the 9 surface water locations. Surface water sampling locations SWC-4, SWC-11, and SWC-13 were dry at the time of sampling and samples were not collected. The surface water samples were analyzed in the laboratory by Pace for chloride, total dissolved solids (TDS), and the *Appendix I* list of VOCs and in the field by EMS for pH and temperature. The sampling results are included in the summary table in **Appendix D**.

3.0 GROUNDWATER FLOW

Water level data collected on July 10, 2023 are presented in **Table 2** and estimated groundwater flow velocities are summarized in **Table 3**. A groundwater elevation contour map which includes groundwater flow directions is presented on **Figure 2**. Groundwater generally flows, to the south and east across the site.

4.0 SUMMARY OF LABORATORY RESULTS

4.1 Groundwater Results

Concentrations of total barium (19 wells), total cobalt (8 wells), total nickel (1 well), total selenium (1 well), total zinc (7 wells), benzene (1 well), and toluene (1 well, background) were detected in the groundwater samples during event N46. None of the detected concentrations exceeded Georgia’s primary groundwater

maximum contaminant levels (MCL)¹. Summary tables of current and historical sampling events are included in **Appendix B**.

4.2 Underdrain Results

Concentrations of chloride (4 underdrains) and TDS (4 underdrains) were detected in the water samples collected from the underdrain locations. None of the detected concentrations exceeded Georgia's in-stream water quality standards (ISWQS)², if established. Additionally, no VOCs were detected. Summary tables of current and historical sampling events are included in **Appendix C**.

4.3 Surface Water Results

Laboratory concentrations of chloride (6 sample locations) and TDS (6 sample locations) were detected in the water samples collected from surface water sampling locations. None of the detected concentrations exceeded Georgia's ISWQS, if established. Additionally, no VOCs were detected. Summary tables and charts of current and historical sampling events are included in **Appendix D**.

5.0 STATISTICAL METHODS PERFORMED

The purpose of performing statistical analysis of groundwater quality data is to determine if the landfill has impacted the groundwater at the site. The U.S. Environmental Protection Agency (EPA) has prepared a guidance document for handling groundwater quality data titled *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance* (March 2009). The procedures and methodology used for the data analysis of this project are consistent with the USEPA guidance document and meet or exceed the performance criteria specified in the EPD solid waste management rule 391-3-4-.14(19). The methods of statistical analysis performed depended on the number of detected concentrations and the distribution of the data for a specific compound, as follows:

1. If less than 15% of the data were not detected, and if the data were normally distributed and homogeneous, then one-way parametric analysis of variance (ANOVA) was performed. If the data were not normally distributed and homogeneous, then a non-parametric type test was used (Kruskal-Wallis);
2. If 15% to 90% of the data were not detected, the one-way non-parametric ANOVA Kruskal-Wallis rank-sum test was performed;
3. Alternatively, if greater than 50% of the data were not detected, non-parametric Prediction Limits were performed, or if less than 50% of the data were not detected, Normal Prediction Limits were performed;
4. Wilcoxon rank-sum tests were performed, as needed, for those wells that failed the initial parametric ANOVA, Kruskal-Wallis, or Prediction Limits tests; and

¹ Georgia's groundwater MCLs are based on primary drinking water standards as set forth in EPD's water supply regulations 391-3-5-.18.

² Georgia's surface water ISWQS are based on Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(ii)(iii)&(iv).

5. Intrawell comparisons were performed, as needed, using Shewhart-CUSUM control charts or Kendall-Mann Trend tests for those wells that failed the initial parametric ANOVA, Kruskal-Wallis, or Prediction Limits tests.

Due to the complexities of the groundwater medium and the nature of statistical testing, there are numerous reasons why a test may exhibit a statistically significant result; however, these may or may not be indications of an actual release from the regulated unit. A statistically significant increase (SSI) is the result of the application of mathematical equations to evaluate the variability of water quality data over time by mathematical means.

6.0 SUMMARY OF STATISTICAL RESULTS

The statistical analysis was performed on constituents that have been historically detected and those that were detected during the current sampling event. Statistical results summarized in **Table 4** and included in **Appendix D** indicate that SSIs were identified for:

- Total barium: GWC-6, GWC-8, GWC-9, GWC-11, GWC-15, and GWC-16;
- Total cobalt: GWC-9, GWC-11, and GWC-12R;
- Total nickel: GWC-12R;
- Total selenium: GWC-11;
- Total zinc: GWC-9; and
- Benzene: GWC-12R.

7.0 FINDINGS AND RECOMMENDATIONS

During the July 2023 semi-annual sampling event (N46), laboratory concentrations of various constituents and field parameters were detected in the groundwater, underdrain, and surface water samples. None of the groundwater, underdrain, nor surface water constituents were detected in exceedance of a Georgia MCL, if established.

Total metal SSIs included total barium (GWC-6, GWC-8, GWC-9, GWC-11, GWC-15, and GWC-16), total cobalt (GWC-9, GWC-11, and GWC-12R), total nickel (GWC-12R), total selenium (GWC-11), and total zinc (GWC-9). Concentrations of total metals are routinely detected in the groundwater samples collected at the site. The most likely source of total metals is from their natural occurrence within the geologic formation material contained in the residual soils and bedrock underlying the site (i.e. alternate source). The EPD required an alternate source demonstration (ASD) for the past detections of total cobalt; consequently, BLE prepared an ASD report³, which was approved by the EPD on November 24, 2015. Although the ASD was prepared for historical detections of total cobalt, the ASD report also included pervasive detections of other naturally occurring metals in background native soil samples, (i.e., a natural alternative source as related to detections in groundwater) including barium, nickel, and zinc.

The detection of toluene was at the background (upgradient) groundwater monitoring well (GWA-2) and therefore, does not appear to be related to a release from the waste unit. The detection of toluene was below

³ *Alternate Source Demonstration for Cobalt in Groundwater, Eagle Point MSW Landfill, Forsyth County, Georgia*, BLE Project Number J15-1472-102, dated November 18, 2015.

the MCL. Verification sampling will be performed as part of the first semi-annual event of 2024. No other VOCs were detected in GWA-2 and no further action is warranted at this time.

The only VOC SSI was benzene in GWC-12R, which was detected below the Georgia MCL. Additionally, benzene has never been detected above the MCL in GWC-12R and therefore is not statistically above the MCL. Assessment monitoring was initiated in GWA-1, GWA-2, and GWC-12R starting in July 2017 due to intermittent detections of benzene. Groundwater from background monitoring wells GWA-1 and GWA-2, and compliance monitoring well GWC-12R are tested in the laboratory for the complete *Appendix II* list of parameters during each July event; however, no other non-*Appendix I* constituents were detected. In July 2022, the facility submitted a request to the EPD to add monitoring well GWC-11 to the *Appendix II* subset of wells due to the second consecutive detection of benzene and initiated *Appendix II* sampling in July 2023.

Historically, no *Appendix II* constituents have been detected at GWA-1, GWA-2, nor GWC-12R. Based on these findings, we recommend that all *Appendix II* monitoring parameters be removed from the limited assessment monitoring program at GWA-1, GWA-2, and GWC-12R. We request the EPD approve this change to the sampling matrix.

Concentrations of benzene have been shown to be at or below background values for two consecutive events at GWC-11.

8.0 STATEMENT OF CERTIFICATION

I, Andrew W. Alexander, P.G., certify that I am a qualified groundwater scientist demonstrated by a Georgia state-registered professional geologist certification. I have sufficient training and experience in groundwater hydrology and related fields to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report has been prepared by me or a subordinate working under my direction.

For those constituents that the EPD has established groundwater and surface water standards, BLE certifies that the facility is in compliance with those standards during the current semi-annual sampling event without regard to statistical significance. This certification is based solely on the field sampling and analytical information provided to us by the field sampling and laboratory testing contractors.

The facility is currently in limited Assessment Monitoring (as of July 2017) (EPD Rule 391-3-4-.14(29)) because benzene has been previously detected at concentrations which are statistically significant, but statistically below the groundwater protection standard at well GWC-12R.

TABLES

**Table 1
Sampling Matrix
Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

	Station ID	January		July	
		Analytical Suite	Field Parameters	*Analytical Suite*	Field Parameters
Background Wells	GWA-1	A-I	Yes	A-II	Yes
	GWA-2	A-I	Yes	A-II	Yes
Compliance Wells	GWC-1	A-I	Yes	A-I	Yes
	GWC-2	A-I	Yes	A-I	Yes
	GWC-3	A-I	Yes	A-I	Yes
	GWC-4	A-I	Yes	A-I	Yes
	GWC-5	A-I	Yes	A-I	Yes
	GWC-6	A-I	Yes	A-I	Yes
	GWC-7	A-I	Yes	A-I	Yes
	GWC-7A	A-I	Yes	A-I	Yes
	GWC-8	A-I	Yes	A-I	Yes
	GWC-9	A-I	Yes	A-I	Yes
	GWC-10	A-I	Yes	A-I	Yes
	GWC-10D*	WL*	-	WL*	-
	GWC-11	A-I	Yes	A-II	Yes
	GWC-12R	A-I	Yes	A-II	Yes
	GWC-13	WL	-	WL	-
	GWC-13R	A-I	Yes	A-I	Yes
	GWC-14R	A-I	Yes	A-I	Yes
	GWC-15	A-I	Yes	A-I	Yes
	GWC-16	A-I	Yes	A-I	Yes
	GWC-17	A-I	Yes	A-I	Yes
	GWC-18	A-I	Yes	A-I	Yes
	GWC-19	A-I	Yes	A-I	Yes
	GWC-20	A-I	Yes	A-I	Yes
	GWC-21	A-I	Yes	A-I	Yes
	GWC-22	A-I	Yes	A-I	Yes
	GWC-23	A-I	Yes	A-I	Yes
	GWC-24	A-I	Yes	A-I	Yes
	GWC-25	A-I	Yes	A-I	Yes
	GWC-26	A-I	Yes	A-I	Yes
GWC-27	A-I	Yes	A-I	Yes	
GWC-28	A-I	Yes	A-I	Yes	
GWC-29	A-I	Yes	A-I	Yes	
Surface Water	SWA-1	SW-I	pH Only	SW-I	pH Only
	SWC-1	SW-I	pH Only	SW-I	pH Only
	SWC-2	SW-I	pH Only	SW-I	pH Only
	SWC-4	SW-I	pH Only	SW-I	pH Only
	SWC-9	SW-I	pH Only	SW-I	pH Only
	SWC-10	SW-I	pH Only	SW-I	pH Only
	SWC-11	SW-I	pH Only	SW-I	pH Only
	SWC-12	SW-I	pH Only	SW-I	pH Only
	SWC-13	SW-I	pH Only	SW-I	pH Only
Underdrains	SWC-5	SW-I	pH Only	SW-I	pH Only
	SWC-6	SW-I	pH Only	SW-I	pH Only
	SWC-7	SW-I	pH Only	SW-I	pH Only
	SWC-8	SW-I	pH Only	SW-I	pH Only
Quality Control	Trip Blank	A-1 VOC	-	A-1 VOC	-
	Field Blank	A-1	-	A-1	-

Notes:

A-I = GA Appendix I VOCs and Total Metals

A-1 VOC = Appendix I VOCs Only

A-II = GA Appendix II VOCs and Total Metals

WL = Water Level Only

Field Parameters = pH, Specific Conductance, Temperature, and Turbidity

SW-I = Chloride, Total Dissolved Solids, Appendix I VOCs

* GWC-10D is sampled if GWC-10 is dry.

TABLE 2

GROUNDWATER ELEVATION DATA
Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181

Table with columns: Monitoring Well, Ground Elevation, TOC Elevation, and 34 dates from 1/12/05 to 7/10/23. Rows include wells GWA-1 through GWC-29 with corresponding data values.

NOTES:

- 1. Elevations are in FEET above mean sea level (MSL)
2. Water level measurements are from field sampling notes
3. TOC = Top Of Casing
4. NP = Not Present
5. UK = Unknown. Wells GWC-17 and GWC-18 were vertically extended but not yet re-surveyed in 2015.
6. Semi-annual water level data from March 2002 to present are available. However, only the data since January 2005 are shown on this table.

TABLE 3

RANGE OF GROUNDWATER FLOW VELOCITIES

Eagle Point MSW Landfill

Forsyth County, Georgia

BLE Project Number J23-1472-181

July 10, 2023	Hydraulic Conductivity			Hydraulic Grad. (ft/ft)	Effective Porosity	Flow Vel. (ft/day)	Flow Vel. (ft/year)
	K(ft/min)	K(cm/sec)	K(ft/day)				
High Flow Velocity Estimate	9.4E-03	4.8E-03	14	0.22	20%	1.5E+01	5358
Low Flow Velocity Estimate	4.4E-05	2.2E-05	0.063	0.023	40%	3.6E-03	1.3
Geometric Mean Flow Velocity	6.4E-04	3.3E-04	0.92	0.071	28%	2.3E-01	84.4

1. Hydraulic conductivity and porosity measurements are from AT&E Inc.'s *Report of Hydrogeologic Assessment*, dated April 25, 1997 (revised July 10, 1998), AT&E Job Number 15681-A.
2. The hydraulic gradients were measured from the current water table elevation contour map (Figure 2).
The high gradient was measured between the 1000 and 1040 ft contours near GWC-12R.
The low gradient was measured between the 1010 and 1020 ft contours near GWC-6.
3. Groundwater velocity derived from $V = Ki/n_e$ where:
K = hydraulic conductivity, i = hydraulic gradient, and n_e = effective porosity.
4. The *high* and *low velocity* estimates are maximized values based on available site hydraulic data.
The *geometric mean* velocity is more likely to resemble site conditions.

TABLE 4

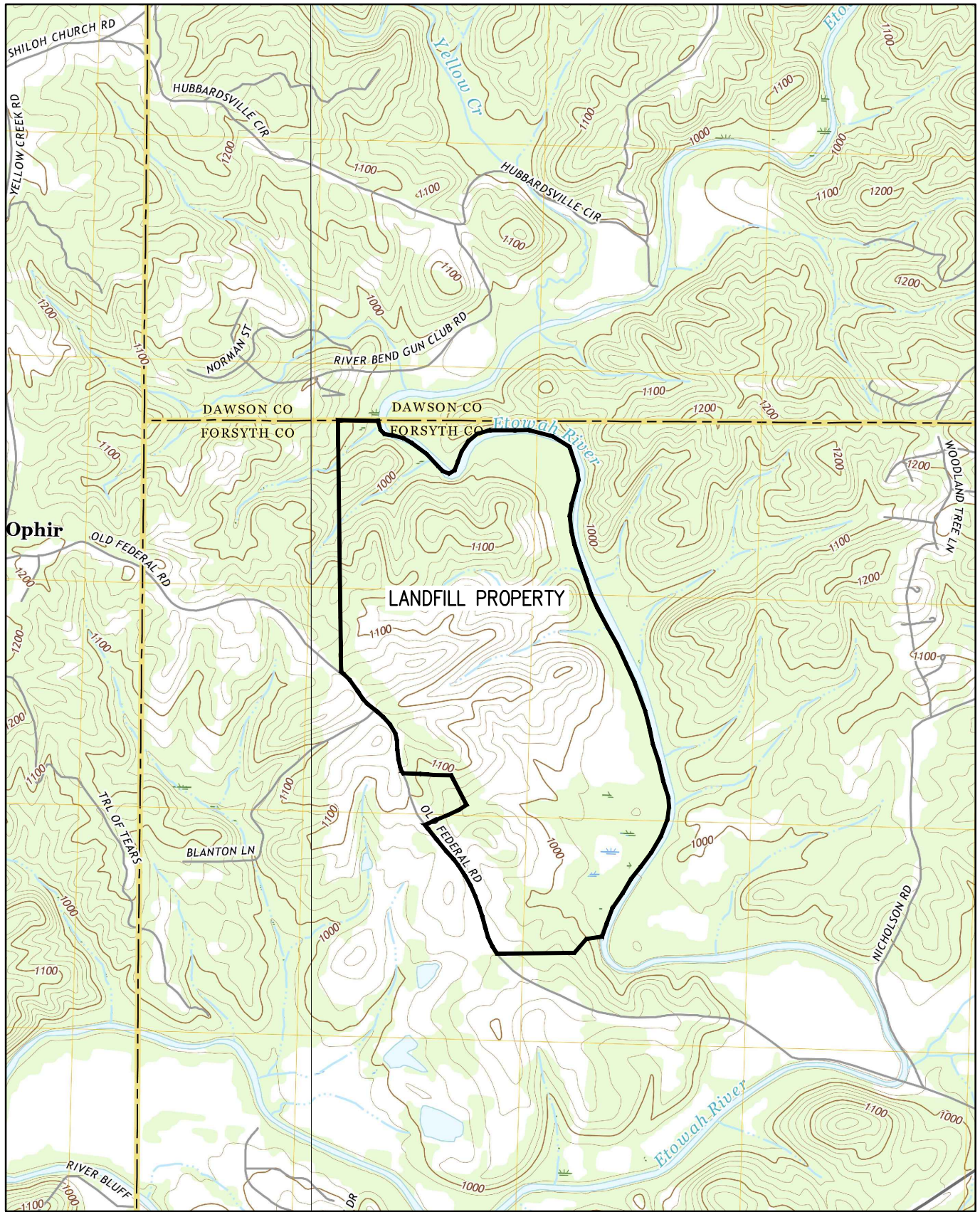
SUMMARY OF STATISTICAL ANALYSIS RESULTS
 Eagle Point MSW Landfill
 Forsyth County, Georgia
 BLE Project Number J23-1472-181

Chemical/Compound	Percent ND	Primary Test		Secondary Test			SSI Calculated (Offending Compliance Wells)	SSI Based on "Double Quantification Rule" Offending Compliance Wells	ASD	Monitoring Required by EPD	Is current SSI concentration statistically above GWPS?	Corrective Action Required by EPD?
		Interwell Statistical Test	Wells Failing Interwell Statistical Test	Intrawell Statistical Test	Wells Passing Intrawell Statistical Testing	Wells Failing Intrawell Statistical Testing						
Total Arsenic	100%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Total Barium	40%	Kruskal-Wallis	C-2, C-5, C-6, C-7A, C-8, C-9, C-10D, C-11, C-12R, C-13R, C-14R, C-15, C-16, C-17	Shewhart-CUSUM, Wilcoxon, or Kendall-Mann	C-2, C-5, C-7A, C-10D, C-12R, C-13R, C-14R, C-17	C-6, C-8, C-9, C-11, C-15, C-16	Yes (C-6, C-8, C-9, C-11, C-15, C-16)	-	Yes ^{6,7}	Detection	NA ^{6,7}	No
Total Beryllium	100%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Total Cadmium	100%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Total Chromium	96%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Total Cobalt	93%	Non-Parametric Prediction Limits	C-8, C-9, C-11, C-12R	Wilcoxon or Kendall-Mann	C-8	C-9, C-11, C-12R	Yes (C-9, C-11, C-12R)	-	Yes ^{6,7}	Detection	NA ^{6,7}	No
Total Copper	98%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Total Lead	99%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Total Nickel	98%	Non-Parametric Prediction Limits	C-12R	Wilcoxon or Kendall-Mann	-	C-12R	Yes (C-12R)	-	Yes ^{6,7}	Detection	NA ^{6,7}	No
Total Selenium	98%	Non-Parametric Prediction Limits	C-11	Wilcoxon or Kendall-Mann	-	C-11	Yes (C-11)	-	Yes ⁷	Detection	NA ⁷	No
Total Vanadium	96%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Total Zinc	81%	Kruskal-Wallis	C-9, C-11, C-29	Shewhart-CUSUM, Wilcoxon, or Kendall-Mann	C-11, C-29	C-9	Yes (C-9)	-	Yes ^{6,7}	Detection	NA ^{6,7}	No
Benzene	98%	Non-Parametric Prediction Limits	C-12R	Wilcoxon or Kendall-Mann	-	C-12R	Yes (C-12R)	-	-	Assessment	No	No
Carbon Disulfide	100%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Chloroform	100%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Cis 1,2-dichloroethene	99%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Toluene	100%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No
Xylenes	100%	Non-Parametric Prediction Limits	-	-	-	-	No	-	-	Detection	-	No

Notes:

1. MCL = Georgia Maximum Contaminant Level
2. SSI = Statistically Significant Increase
3. NA = Not Applicable
4. ASD = Alternate Source Demonstration
5. GWPS = Groundwater Protection Standard
6. An EPD-approved Alternate Source Demonstration (ASD) was prepared for total cobalt in the following report: *Alternate Source Demonstration for Cobalt in Groundwater, Eagle Point MSW Landfill, Forsyth County, Georgia*, BLE Project Number J15-1472-102. In this ASD report, many different native metals including total barium, total cobalt, total nickel, and total zinc were detected in the background and are considered natural to the vicinity of the site.
7. Total barium, total cobalt, total nickel, total selenium, and total zinc are natural occurring elements in the soil and bedrock in the Piedmont of Georgia (i.e., alternate source).

FIGURES



REFERENCE:
 USGS TOPOGRAPHIC MAP, 7.5 MINUTE SERIES,
 BALL GROUND AND MATT, GA. QUADRANGLES, 2020.

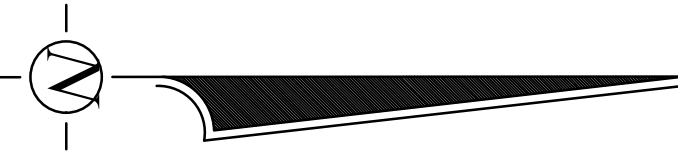
DRAWN:	ZJD	DATE:	5-16-23
CHECKED:	RLB	CAD:	EAGPNTLF181-SLM
APPROVED:	AWA	JOB NO:	J23-1472-181

BLE | **BUNNELL LAMMONS ENGINEERING**
 6004 Ponders Court, Greenville, SC 29615
 Phone: (864) 288-1265 Fax: (864) 288-4430

SITE LOCATION MAP
 EAGLE POINT MSW LANDFILL
 FORSYTH COUNTY, GEORGIA

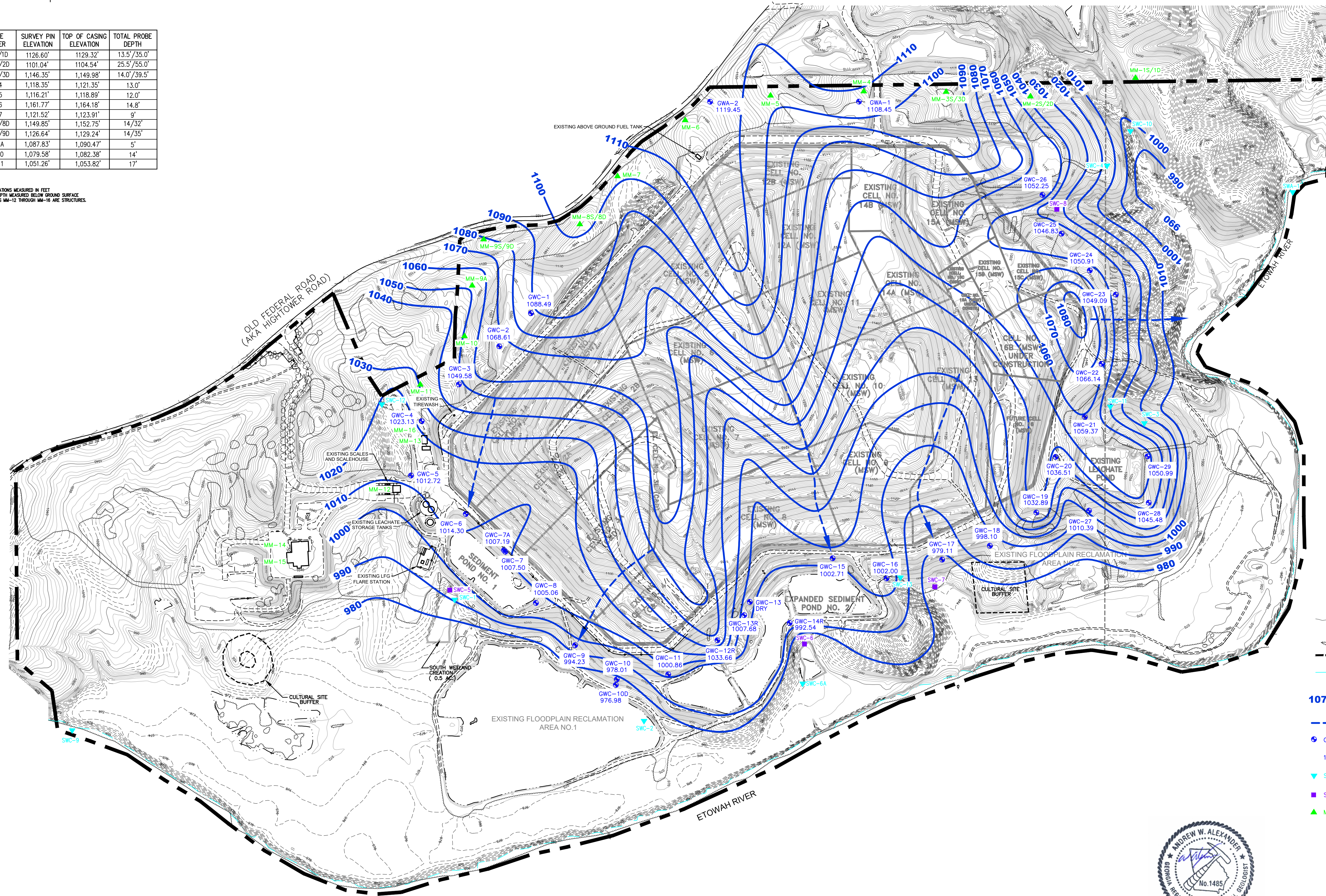
FIGURE

1

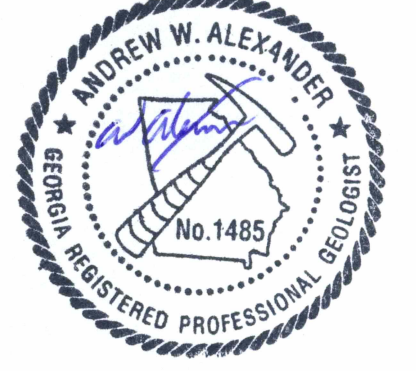


PROBE NUMBER	SURVEY PIN ELEVATION	TOP OF CASING ELEVATION	TOTAL PROBE DEPTH
MM-15/1D	1126.60'	1129.32'	13.5'/35.0'
MM-25/2D	1101.04'	1104.54'	25.5'/55.0'
MM-35/3D	1,146.35'	1,149.98'	14.0'/39.5'
MM-4	1,118.35'	1,121.35'	13.0'
MM-5	1,116.21'	1,118.89'	12.0'
MM-6	1,161.77'	1,164.18'	14.8'
MM-7	1,121.52'	1,123.91'	9'
MM-85/8D	1,149.85'	1,152.75'	14.32'
MM-95/9D	1,126.64'	1,129.24'	14.35'
MM-9A	1,087.83'	1,090.47'	5'
MM-10	1,079.58'	1,082.38'	14'
MM-11	1,051.26'	1,053.82'	17'

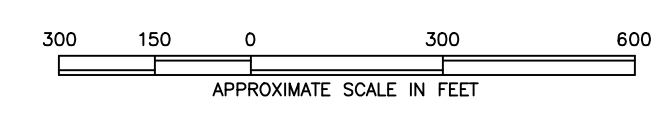
- NOTES:
1. ALL ELEVATIONS MEASURED IN FEET
 2. PROBE DEPTH MEASURED BELOW GROUND SURFACE
 3. LOCATIONS MM-12 THROUGH MM-16 ARE STRUCTURES.



- LEGEND**
- TOPOGRAPHIC SURFACE CONTOUR IN FEET ABOVE MSL. CONTOUR INTERVAL = 2 FEET.
 - DENSE TREES
 - PROPERTY BOUNDARY
 - STREAM
 - WATER TABLE ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL. CONTOUR INTERVAL = 10 FEET.
 - GROUNDWATER FLOW DIRECTION
 - GROUNDWATER MONITORING WELL
 - WATER TABLE ELEVATION IN FEET ABOVE MSL.
 - SURFACE WATER MONITORING POINTS
 - UNDERDRAIN MONITORING POINTS
 - METHANE MONITORING PROBE (MM-12 THROUGH MM-16 ARE STRUCTURES)



- REFERENCES:
1. DRAWING TITLED "EXISTING TOPOGRAPHIC SURVEY, EAGLE POINT MSW AND C&D LANDFILL" PREPARED BY HODGES, HARBIN, NEMBERTY AND TRIBLE, INC., PROJ NO. 1210-010-01, EDIT 3-20-07.
 2. SITE TOPOGRAPHY PRODUCED BY SOUTHERN RESOURCES MAPPING CORPORATION, DATE OF PHOTOGRAPHY: FEBRUARY 2017.



No.	REVISIONS DESCRIPTION	BY

DRAWN: KLV	DATE: 9-5-23
CHECKED: RLB	CAD FILE: EAGPNTLF181-POT071023
APPROVED: AWA	JOB NO: J23-1472-181

BLE BUNNELL LAMMONS ENGINEERING
 6004 Ponders Court, Greenville, SC 29615
 Phone: (864) 288-1255 Fax: (864) 288-4430

GROUNDWATER ELEVATION CONTOUR MAP - JULY 10, 2023
 EAGLE POINT MSW LANDFILL
 FORSYTH COUNTY, GEORGIA

APPENDIX A
Field Sampling Logs and Laboratory Analytical
Results

EMServices

Environmental Monitoring Services, LLC
Phone (770) 823-7174

July 21, 2023

GFL Environmental
Scott Mann
8880 Old Federal Road
Ball Ground, GA 30107

RE: Eagle Point Landfill Semi-Annual Sampling Event

Scott,

On July 10th – 13th, we completed the semi-annual groundwater and surface water monitoring at the referenced site. The points sampled and their respective analyses are:

GWC-1, 2, 3, 4, 5, 6, 7, 7A, 8, 9, 10, 13R, 14R, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, Field Blank, Trip Blank (VOC only)	GA App I VOC (8260), App I Metals
GWA-1, 2, GWC-11, 12	App II VOC (8260/8011), App II Metals
GWC-10D, 13	Water Level Only
SWA-1, SWC-1, 2, 5, 6, 7, 8, 9, 10, 12	GA App I VOC (8260), Chloride, TDS
SWC-4, 11, 13	Points dry

The sampling activities were performed according to the facility's operating permit and the EPA Region IV LSASD SOP's. Split samples were collected from GWC-6, 9, 12R, SWC-5 and 9 for Forsyth County.

Upon arrival at each well, notes were taken as to the condition of the area around the well and the condition of the well itself. The samplers then donned new Nitrile gloves. These gloves were changed as often as deemed necessary to prevent contamination of the samples. A new piece of plastic was laid down next to the well to serve as a work area. Then, a pre-cleaned water level indicator was lowered into the well to sound the water level.

The depth to water was measured from a surveyed mark on the top of casing, if present. The process of collecting water levels was completed on July 10th to ensure a representative potentiometric map. The water level indicator was cleaned in between each well using a Liquinox soap solution followed by a water rinse.

Wells GWA-2, GWC-1, 2, 3, 7, 7A, 11, 13R, 17, 18, 20, 22, 23, 24, 25, 26, 27, 28, and 29 have dedicated bladder pumps installed. For these wells, after collecting the water level, we began purging the well. Both purging and sampling were accomplished by utilizing the dedicated bladder pumps. The bladders are of Teflon construction and the water discharge lines are Teflon-lined. The bottoms of the pumps are placed approximately 3' from the bottom of the well to allow for operation in potential low water column situations due to seasonal water table fluctuations. At each well, the pump was turned on and timing and pressure adjusted until the water level stabilized. After the water level had stabilized and at least one equipment volume had cleared the flow cell, field readings for pH, conductivity, temperature, dissolved oxygen, oxidation-reduction potential and turbidity were measured. Purging continued until three consecutive

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Page 1 of 2

measurements of these parameters, measured at four-minute intervals, were stable as defined by accepted low-flow guidelines. The purge water was captured in 5-gallon buckets to quantify the purge volumes. All samples were collected immediately. Metals samples, general chemistry samples and semi-volatile organics samples were collected first to avoid any effects on turbidity from adjusting the pressure prior to sampling for volatiles. Volatiles samples were then collected after slowing the purge rate to 100mL/min or less.

A peristaltic pump was used for purging and sampling wells GWA-1, GWC-4, 5, 6, 8, 9, 10, 12R, 14R, 16 and 21, after collecting the water level, we began purging the well. Both purging and sampling were accomplished by utilizing a peristaltic pump with new silicone pump-head tubing and Teflon-lined down-hole tubing at each well. The down-hole tubing was placed approximately 5' from the bottom of the well or at the mid-point of the water column if the water column was less than 10'. The pump was turned on and timing adjusted until the water level stabilized. After the water level had stabilized and at least one equipment volume had cleared the flow cell, field readings for pH, conductivity, temperature, dissolved oxygen and oxidation-reduction potential, and turbidity were measured and recorded. Purging continued until three consecutive measurements of these parameters, measured at four-minute intervals, were stable as defined by accepted low-flow guidelines. The purge water was captured in 5-gallon buckets to quantify the purge volumes. The metals samples, semi-volatile organics sample, and general chemistry samples were collected immediately through the pump-head. The volatiles samples were collected immediately using the reverse-flow method utilizing a flow rate of less than 100 mL/min.

For wells GWC-15 and 19, the water level was too low to use the dedicated bladder pump, so the pump was removed and the well purged and sampled using a new disposable Teflon bailer attached to new nylon string. After collecting the water level, we calculated the purge volume to three well-volumes using a standard formula. Purging continued until the well was purged dry. Readings for pH, conductivity, temperature, turbidity, dissolved oxygen and oxidation-reduction potential were recorded at each well-volume. The purge water was captured in 5-gallon buckets to quantify the purge volumes. All bailers and string were discarded at the completion of the sampling event.

The samples were collected in containers provided by the laboratory. These containers were of types, sizes and preserved in a manner consistent with SW-846 and other guidance. Upon filling, the containers were placed on ice. The samples were hand-delivered under chain of custody to Pace Analytical Services located in Peachtree Corners, GA then forwarded to the laboratory located in West Columbia, SC.

On-site parameter readings were recorded from YSI Pro Plus's that were calibrated each morning. Turbidity readings were collected using LaMotte 2020t's that were cal-checked prior to use. The meters have a programmed calibration that is checked in-house using formazine standards.

We appreciate the opportunity to work with you on this project and look forward to any feedback you have.

Respectfully,



Jeff Johnson

Attachments: Groundwater Field Data
Surface Water Field Data

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWA-1
 Date 7/13/2023
 DTW¹ 5.25
 DTB² 28.10
 Purge Method Peristaltic Pump
 Sample Method Peristaltic Pump (Reverse Flow for VOC's)
 Stabilization Yes
 Parameters App II VOCs, Metals

Purge Start Time = 1140 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1146	5.42	210	0.33	5.05	21	20.7	14	7.24	139
1150	5.42	210	0.55	5.03	20	20.6	12	6.01	136
1154	5.42	210	0.77	5.01	20	20.4	11	5.83	134
1158	5.42	210	0.99	5.02	19	20.4	10	5.64	133

Comments
Clear, no odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWA-2
 Date 7/12/2023
 DTW¹ 33.47
 DTB² 50.09
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters App II VOCs, Metals

Purge Start Time = 1302 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1308	33.64	280	0.44	5.57	32	17.8	22	8.58	135
1312	33.64	280	0.74	5.69	33	17.5	19	8.27	131
1316	33.64	280	1.04	5.72	33	17.5	16	8.11	129
1320	33.64	280	1.34	5.75	33	17.6	14	8.04	128
1324	33.64	280	1.64	5.77	33	17.6	10	7.97	127

Comments
Clear, slight odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-1
 Date 7/11/2023
 DTW¹ 18.78
 DTB² 34.90
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1055 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1101	18.92	210	0.33	5.87	48	22.9	8	8.56	125
1105	18.92	210	0.55	5.98	51	19.9	9	7.83	123
1109	18.92	210	0.77	6.02	52	19.7	8	7.92	121
1113	18.92	210	0.99	6.05	53	19.5	9	7.77	122

Comments
Clear, no odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-2
 Date 7/11/2023
 DTW¹ 31.61
 DTB² 41.44
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1005 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (μS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1015	31.72	160	0.42	5.86	38	26.1	36	6.96	116
1019	31.72	160	0.59	5.67	32	24.9	29	6.60	108
1023	31.72	160	0.76	5.60	27	24.0	25	6.86	103
1027	31.72	160	0.93	5.58	22	23.1	22	6.51	101
1031	31.72	160	1.10	5.54	21	22.9	19	6.62	99
1035	31.72	160	1.27	5.52	22	22.6	16	6.45	99
1039	31.72	160	1.44	5.53	22	22.3	14	6.53	98
1043	31.72	160	1.61	5.51	21	22.2	10	6.39	98

Comments
Clear, no odor

Field Tech: N.Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
Site Eagle Point Landfill
Well ID GWC-3
Date 7/13/2023
DTW¹ 23.26
DTB² 46.90
Purge Method Dedicated Bladder Pump
Sample Method Dedicated Bladder Pump
Stabilization Yes
Parameters Appendix I VOCs / Metals

Purge Start Time = 0954 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC ($\mu\text{S}/\text{cm}$)	T ($^{\circ}\text{C}$)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1001	23.81	200	0.37	5.23	23	17.8	12	7.45	150
1005	23.81	200	0.58	5.24	23	18.0	9	7.32	156
1009	23.81	200	0.79	5.23	23	18.1	9	7.21	159
1013	23.81	200	1.00	5.24	22	18.2	9	7.26	163

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
Site Eagle Point Landfill
Well ID GWC-4
Date 7/13/2023
DTW¹ 16.12
DTB² 38.56
Purge Method Peristaltic Pump
Sample Method Peristaltic Pump (Reverse Flow for VOC's)
Stabilization Yes
Parameters Appendix I VOCs / Metals

Purge Start Time = 1034 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (μ S/cm)	T ($^{\circ}$ C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1040	16.59	220	0.35	5.08	57	18.7	11	0.70	175
1044	16.59	220	0.58	5.08	55	18.5	9	0.44	175
1048	16.59	220	0.81	5.08	56	19.2	8	0.36	171
1052	16.59	220	1.04	5.09	56	19.4	8	0.32	164

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-5
 Date 7/13/2023
 DTW¹ 9.99
 DTB² 23.19
 Purge Method Peristaltic Pump
 Sample Method Peristaltic Pump (Reverse Flow for VOC's)
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1100 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1106	10.32	200	0.32	5.33	82	18.4	14	0.31	149
1110	10.32	200	0.53	5.32	81	18.9	11	0.27	146
1114	10.32	200	0.74	5.33	82	19.1	10	0.23	144
1118	10.32	200	0.95	5.33	82	19.0	10	0.25	146

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
Site Eagle Point Landfill
Well ID GWC-6
Date 7/10/2023
DTW¹ 26.04
DTB² 37.54
Purge Method Peristaltic Pump
Sample Method Peristaltic Pump (Reverse Flow for VOC's)
Stabilization Yes
Parameters Appendix I VOCs / Metals

Purge Start Time = 1006 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (μS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1015	26.20	200	0.47	5.39	84	21.3	4	1.08	117
1019	26.20	200	0.79	5.39	83	21.0	4	1.01	110
1023	26.20	200	1.11	5.39	84	20.9	4	1.16	109
1027	26.20	200	1.43	5.40	84	21.1	4	0.93	111

Comments
Clear, no odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-7
 Date 7/10/2023
 DTW¹ 28.27
 DTB² 91.33
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1246 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1254	28.84	280	0.59	6.63	144	20.7	14	6.43	112
1258	28.84	280	0.89	6.63	144	21.5	5	6.14	114
1302	28.84	280	1.19	6.63	145	21.9	5	6.12	115
1306	28.84	280	1.49	6.63	145	22.2	4	5.97	116

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-7A
 Date 7/10/2023
 DTW¹ 28.82
 DTB² 50.80
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1216 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1224	29.97	320	0.68	6.47	126	19.0	9	8.33	101
1228	29.97	320	1.02	6.43	125	19.0	10	8.21	107
1232	29.97	320	1.36	6.43	126	19.0	9	8.21	107
1236	29.97	320	1.70	6.42	125	19.0	9	8.11	110

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-8
 Date 7/12/2023
 DTW¹ 18.92
 DTB² 36.43
 Purge Method Peristaltic Pump
 Sample Method Peristaltic Pump (Reverse Flow for VOC's)
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1026 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1032	19.05	220	0.35	4.62	135	18.5	10	0.49	184
1036	19.05	220	0.58	4.64	129	18.6	12	0.40	194
1040	19.05	220	0.81	4.64	121	18.4	9	0.37	199
1044	19.05	220	1.04	4.62	119	18.5	9	0.39	201
1048	19.05	220	1.27	4.63	118	18.7	8	0.30	203

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-9
 Date 7/10/2023
 DTW¹ 15.47
 DTB² 24.35
 Purge Method Peristaltic Pump
 Sample Method Peristaltic Pump (Reverse Flow for VOC's)
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1055 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1102	15.68	210	0.39	4.67	860	21.6	6	1.40	176
1106	15.68	210	0.61	4.70	853	21.0	5	1.08	170
1110	15.68	210	0.83	4.71	852	21.4	6	0.93	168
1114	15.68	210	1.05	4.72	852	20.6	6	0.87	167
1118	15.68	210	1.27	4.73	850	20.3	5	0.77	165

Comments
Clear, slight odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-10
 Date 7/13/2023
 DTW¹ 27.65
 DTB² 36.30
 Purge Method Peristaltic Pump
 Sample Method Peristaltic Pump (Reverse Flow for VOC's)
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1144 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1151	24.84	180	0.33	5.21	173	20.7	8	0.69	170
1155	24.84	180	0.52	5.22	170	20.6	7	0.57	171
1159	24.84	180	0.71	5.23	171	20.4	7	0.52	172
1203	24.84	180	0.90	5.24	172	20.6	7	0.56	171

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-11
 Date 7/10/2023
 DTW¹ 29.29
 DTB² 41.17
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters App II VOCs, Metals

Purge Start Time = 1323 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1332	29.86	300	0.71	4.99	549	18.3	9	0.78	175
1336	29.86	300	1.03	5.00	552	18.2	7	0.65	178
1340	29.86	300	1.35	5.00	554	18.2	8	0.57	180
1344	29.86	300	1.67	5.01	554	18.2	7	0.49	181

Comments

Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-12R
 Date 7/10/2023
 DTW¹ 9.75
 DTB² 29.79
 Purge Method Peristaltic Pump
 Sample Method Peristaltic Pump (Reverse Flow for VOC's)
 Stabilization Yes
 Parameters App II VOCs, Metals

Purge Start Time = 1142 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1148	10.43	280	0.44	5.47	962	18.3	8	1.21	167
1152	10.43	280	0.74	5.49	961	18.2	9	0.99	162
1156	10.43	280	1.04	5.51	960	18.3	40	0.85	160
1200	10.43	280	1.34	5.51	959	18.9	31	0.74	158
1204	10.43	280	1.64	5.52	957	18.2	7	0.75	159

Comments
Clear, odor present

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-13R
 Date 7/12/2023
 DTW¹ 28.02
 DTB² 37.94
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1253 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1300	28.46	240	0.44	5.70	225	18.7	8	3.69	165
1304	28.46	240	0.69	5.70	226	18.3	8	3.54	163
1308	28.46	240	0.94	5.70	227	17.8	6	3.45	164
1312	28.46	240	1.19	5.71	228	18.1	5	3.38	163

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client: GFL Environmental
 Site: Eagle Point Landfill
 Well ID: GWC-14R
 Date: 7/12/2023
 DTW¹: 21.92
 DTB²: 34.89
 Purge Method: Peristaltic Pump
 Sample Method: Peristaltic Pump (Reverse Flow for VOC's)
 Stabilization: Yes
 Parameters: Appendix I VOCs / Metals

Purge Start Time = 1111 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1118	22.31	220	0.41	5.85	180	22.6	9	0.38	152
1122	22.31	220	0.64	5.87	186	22.5	7	0.26	142
1126	22.31	220	0.87	5.88	188	22.5	6	0.25	137
1130	22.31	220	1.10	5.88	189	22.5	6	0.26	132

Comments

Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental

Site Eagle Point Landfill

Well ID GWC-15

Date 7/12/2023

DTW¹ 42.20

DTB² 46.35

1 Well Volume (DTB - DTW) * 0.163 = 0.68

3 Well Volumes 1 WV * 3 = 2.03

Purge Method Disposable Teflon Bailer

Sample Method Disposable Teflon Bailer

Parameters Appendix I VOCs / Metals

LEL/Vol = 0

Time	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1225	0.75	4.85	87	18.2	16	1.94	194
1229	1.50	4.86	85	17.9	11	1.88	189
1232	2.25	4.88	82	17.8	9	1.71	185

Metals sample collection if allowed to settle:

Date: _____ Time: _____ NTU: _____

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-16
 Date 7/12/2023
 DTW¹ 18.31
 DTB² 24.62
 Purge Method Peristaltic Pump
 Sample Method Peristaltic Pump (Reverse Flow for VOC's)
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1139 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (μS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1145	18.86	200	0.32	5.17	311	17.6	24	0.38	154
1149	18.86	200	0.53	5.18	306	18.4	19	0.28	163
1153	18.86	200	0.74	5.18	307	18.6	17	0.26	168
1157	18.86	200	0.95	5.17	310	18.7	13	0.33	169
1201	18.86	200	1.16	5.17	310	18.5	12	0.27	166
1205	18.86	200	1.37	5.16	311	18.5	10	0.23	165

Comments

Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-17
 Date 7/12/2023
 DTW¹ 45.38
 DTB² 54.75
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1214 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1220	45.61	210	0.33	5.42	96	19.2	15	4.80	149
1224	45.61	210	0.55	5.42	95	19.2	14	4.59	146
1228	45.61	210	0.77	5.43	95	19.2	12	4.44	142
1232	45.61	210	0.99	5.44	94	19.3	10	4.38	140

Comments
Clear, no odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
Site Eagle Point Landfill
Well ID GWC-18
Date 7/11/2023
DTW¹ 40.05
DTB² 49.29
Purge Method Dedicated Bladder Pump
Sample Method Dedicated Bladder Pump
Stabilization Yes
Parameters Appendix I VOCs / Metals

Purge Start Time = 1354 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC ($\mu\text{S/cm}$)	T ($^{\circ}\text{C}$)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1403	40.56	300	0.71	5.47	47	17.4	7	4.69	153
1407	40.56	300	1.03	5.49	45	17.4	7	4.58	157
1411	40.56	300	1.35	5.47	46	17.3	6	4.64	159
1415	40.56	300	1.67	5.46	45	17.4	7	4.57	158

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental

Site Eagle Point Landfill

Well ID GWC-19

Date 7/12/2023

DTW¹ 51.89

DTB² 55.18

1 Well Volume (DTB - DTW) * 0.163 = 0.54

3 Well Volumes 1 WV * 3 = 1.61

Purge Method Disposable Teflon Bailer

Sample Method Disposable Teflon Bailer

Parameters Appendix I VOCs / Metals

LEL/Vol = 0

Time	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1327	0.75	6.48	222	18.6	10	6.05	175

Metals sample collection if allowed to settle:

Date: _____ Time: _____ NTU: _____

Comments
Clear, no odor, purged dry

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing

² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-20
 Date 7/11/2023
 DTW¹ 73.35
 DTB² 84.87
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1253 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1302	73.68	320	0.76	7.80	204	17.3	10	1.19	161
1306	73.68	320	1.10	7.66	188	17.5	9	0.85	152
1310	73.68	320	1.44	7.57	179	17.6	7	0.76	146
1314	73.68	320	1.78	7.55	177	17.6	7	0.71	143
1318	73.68	320	2.12	7.53	176	18.0	7	0.69	141

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
Site Eagle Point Landfill
Well ID GWC-21
Date 7/13/2023
DTW¹ 26.30
DTB² 29.91
Purge Method Peristaltic Pump
Sample Method Peristaltic Pump (Reverse Flow for VOC's)
Stabilization Yes
Parameters Appendix I VOCs / Metals

Purge Start Time = 1026 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1032	26.43	200	0.32	5.31	103	20.7	7	3.44	141
1036	26.43	200	0.53	5.33	103	20.2	6	3.71	137
1040	26.43	200	0.74	5.34	103	20.1	6	3.83	133
1044	26.43	200	0.95	5.35	102	20.1	5	3.80	130

Comments
Clear, no odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-22
 Date 7/11/2023
 DTW¹ 69.96
 DTB² 81.06
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1220 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1230	70.69	300	0.79	5.52	41	15.5	6	5.23	158
1234	70.69	300	1.11	5.53	40	15.3	7	5.00	160
1238	70.69	300	1.43	5.51	40	15.7	7	5.09	162
1242	70.69	300	1.75	5.51	41	15.4	7	4.92	163

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-23
 Date 7/11/2023
 DTW¹ 78.04
 DTB² 98.15
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1140 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1149	79.05	340	0.81	6.22	53	14.9	14	9.55	148
1153	79.05	340	1.17	6.22	54	14.8	18	9.62	147
1157	79.05	340	1.53	6.23	53	14.8	13	9.70	146
1201	79.05	340	1.89	6.23	54	15.0	11	9.41	147
1205	79.05	340	2.25	6.23	54	14.9	10	9.59	146

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-24
 Date 7/11/2023
 DTW¹ 78.41
 DTB² 90.34
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1103 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1111	78.96	280	0.59	5.87	84	19.1	13	7.14	156
1115	78.96	280	0.89	5.80	83	19.3	10	6.90	155
1119	78.96	280	1.19	5.77	77	19.5	6	7.05	155
1123	78.96	280	1.49	5.76	76	19.6	5	6.97	155
1127	78.96	280	1.79	5.76	75	19.7	6	6.94	154

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-25
 Date 7/11/2023
 DTW¹ 31.84
 DTB² 58.58
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1029 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1038	32.33	320	0.76	5.35	81	16.7	10	0.96	129
1042	32.33	320	1.10	5.34	76	16.0	8	0.56	136
1046	32.33	320	1.44	5.34	75	15.9	5	0.55	139
1050	32.33	320	1.78	5.36	75	16.0	5	0.48	141

Comments
Clear, no odor

Field Tech: D. Cantu

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
Site Eagle Point Landfill
Well ID GWC-26
Date 7/12/2023
DTW¹ 24.27
DTB² 43.66
Purge Method Dedicated Bladder Pump
Sample Method Dedicated Bladder Pump
Stabilization Yes
Parameters Appendix I VOCs / Metals

Purge Start Time = 1016 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC ($\mu\text{S}/\text{cm}$)	T ($^{\circ}\text{C}$)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1022	24.43	280	0.44	5.34	99	18.0	5	1.81	124
1026	24.43	280	0.74	5.33	99	17.9	4	1.58	115
1030	24.43	280	1.04	5.34	100	17.7	5	1.51	112
1034	24.43	280	1.34	5.34	100	17.7	5	1.47	109

Comments
Clear, no odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client	GFL Environmental
Site	Eagle Point Landfill
Well ID	GWC-27
Date	7/12/2023
DTW ¹	44.34
DTB ²	53.75
Purge Method	Dedicated Bladder Pump
Sample Method	Dedicated Bladder Pump
Stabilization	Yes
Parameters	Appendix I VOCs / Metals

Purge Start Time = 1144 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC ($\mu\text{S}/\text{cm}$)	T ($^{\circ}\text{C}$)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1150	44.51	200	0.32	5.62	37	21.5	6	6.29	115
1154	44.51	200	0.53	5.62	36	21.5	6	6.04	112
1158	44.51	200	0.74	5.63	35	21.5	5	6.11	109
1202	44.51	200	0.95	5.64	35	21.7	5	6.07	106

Comments
Clear, no odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing

² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
 Site Eagle Point Landfill
 Well ID GWC-28
 Date 7/12/2023
 DTW¹ 59.59
 DTB² 71.81
 Purge Method Dedicated Bladder Pump
 Sample Method Dedicated Bladder Pump
 Stabilization Yes
 Parameters Appendix I VOCs / Metals

Purge Start Time = 1117 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (μS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1123	59.81	200	0.32	6.21	54	17.7	7	7.17	104
1127	59.81	200	0.53	6.22	53	17.4	7	6.64	102
1131	59.81	200	0.74	6.22	54	17.3	7	6.79	100
1135	59.81	200	0.95	6.23	54	17.3	6	6.86	99

Comments
Clear, no odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client: GFL Environmental
 Site: Eagle Point Landfill
 Well ID: GWC-29
 Date: 7/12/2023
 DTW¹: 50.54
 DTB²: 62.74
 Purge Method: Dedicated Bladder Pump
 Sample Method: Dedicated Bladder Pump
 Stabilization: Yes
 Parameters: Appendix I VOCs / Metals

Purge Start Time = 1044 LEL/Vol = 0

Time	DTW ¹	Purge Rate (mL/min)	Actual Volume (gallons)	pH	SC (µS/cm)	T (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1050	50.69	210	0.33	6.49	81	17.6	9	4.88	103
1054	50.69	210	0.55	6.04	57	17.7	7	6.04	89
1058	50.69	210	0.77	5.86	44	17.8	6	6.69	85
1102	50.69	210	0.99	5.81	38	17.8	6	6.88	83
1106	50.69	210	1.21	5.77	37	17.7	5	7.04	82
1110	50.69	210	1.43	5.75	36	17.7	5	7.23	81

Comments
Clear, no odor

Field Tech: N. Walker

¹ Depth to water as measured in feet from top of casing
² Depth to bottom of casing measured from top of casing

***EM** Services*

Environmental Monitoring Services, LLC

Field Data Sheet

Client	GFL Environmental
Site	Eagle Point Landfill
ID	Field Blank
Date	7/13/2023
Time	1222
Parameters	Appendix I VOCs / Metals

Comments
DI Water from Eurofins ET Service Center - Atlanta stored at EM Services' office. Field Blank poured directly into bottles at equipment trailer by Flare 1

Field Tech: N. Walker

EM Services

Environmental Monitoring Services, LLC

Field Data Sheet

Client GFL Environmental
Site Eagle Point Landfill
Sample Method Directly into bottles
Parameters Appendix I VOCs, Chloride, TDS

Surface Water ID	Date	Time	pH	T (°C)	Comments
SWA-1	7/13/2023	1102	6.59	24.1	Clear, no odor, good flow
SWC-1	7/13/2023	1131	7.08	26.5	Clear, no odor, good flow
SWC-2	7/13/2023	1211	7.09	25.0	Clear, no odor, good flow
SWC-4	7/13/2023	1136	-	-	Point dry
SWC-5	7/10/2023	1240	6.20	23.7	Clear, odor, low flow
SWC-6	7/13/2023	1001	5.69	27.9	Clear, odor, low flow
SWC-7	7/13/2023	1017	5.72	26.3	Clear, odor, low flow
SWC-8	7/13/2023	1129	6.09	23.0	Clear, no odor, good flow
SWC-9	7/10/2023	1320	6.85	24.1	Clear, no odor, good flow
SWC-10	7/13/2023	1334	6.91	20.8	Clear, no odor, good flow
SWC-11	7/13/2023	1051	-	-	Point dry
SWC-12	7/13/2023	1025	6.49	20.8	Clear, no odor, low flow
SWC-13	7/13/2023	1012	-	-	Point dry

Field Tech: N. Walker

EM Services

Environmental Monitoring Services, LLC

Client GFL Environmental
Site Eagle Point Landfill
Date 7/10/2023

Well	DTW ¹	DTB ¹
GWA-1	5.25	28.10
GWA-2	33.47	50.09
GWC-1	18.78	34.90
GWC-2	31.61	41.44
GWC-3	23.26	46.90
GWC-4	16.12	38.56
GWC-5	9.99	23.19
GWC-6	26.04	37.54
GWC-7	28.27	91.33
GWC-7A	28.82	50.80
GWC-8	18.92	36.43
GWC-9	15.47	24.35
GWC-10	27.65	36.55
GWC-10D	15.69	36.30
GWC-11	29.29	41.17
GWC-12R	9.75	29.79
GWC-13	Dry	23.05

Well	DTW ¹	DTB ¹
GWC-13R	28.02	37.94
GWC-14R	21.92	34.89
GWC-15	42.20	46.35
GWC-16	18.31	24.62
GWC-17	45.38	54.75
GWC-18	40.05	49.29
GWC-19	51.89	55.18
GWC-20	73.35	84.87
GWC-21	26.30	29.91
GWC-22	69.96	81.06
GWC-23	78.04	98.15
GWC-24	78.41	90.34
GWC-25	31.84	58.58
GWC-26	24.27	43.66
GWC-27	44.34	53.75
GWC-28	59.59	71.81
GWC-29	50.74	62.74

¹ Measured in feet from Top of Casing



Report of Analysis

GFL Environmental Holdings (US), Inc.
3301 Benson Drive
Suite 601
Raleigh, NC 27609
Attention: Scott Mann

Project Name: Eagle Point Landfill

Project Number: 058-012D(SL)

Lot Number: **YG14032**

Date Completed: 08/05/2023

Revision Date: 08/02/2023

08/07/2023 11:51 AM

Approved and released by:
Project Manager II: **Lucas Odom**



The electronic signature above is the equivalent of a handwritten signature.
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PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative GFL Environmental Holdings (US), Inc. Lot Number: YG14032

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18, PFAS by Isotope Dilution SOP.

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

This report supersedes all other versions of the same lot number.

Inorganic Metals

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 80442 exceeded acceptance criteria for Silver and Thallium. These analytes were biased high and were not detected in the samples affected.

Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: YG14032-014. The LOQ has been adjusted accordingly.

The instrument blank for analytical batch 80592 contained Thallium greater than one-half the LOQ. Associated samples are ND. The data have been qualified and reported.

VOCs by GC/MS

The following samples were received with headspace in the sample vial: YG14032-008, YG14032-044. The vial with the least amount of headspace has been used for analysis.

The laboratory control sample (LCS) for analytical batch 80243 exceeded acceptance criteria for Acetone. These analytes were biased high and were not detected in the samples affected.

The matrix spike and matrix spike duplicate (MS/MSD) were not reported in batch 80565 due to instrument foam error. The associated CCV and LCS passed acceptance criteria, therefore the data has been reported.

PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Report Revision

Per client request, sample YG14032-015 was re-evaluated for the presence of 2,2-Dichloropropane. During the data evaluation it was discovered that this compound was erroneously reported. The data has been updated to reflect the correct value of non-detect. No other data points have changed.

PACE ANALYTICAL SERVICES, LLC

Sample Summary GFL Environmental Holdings (US), Inc. Lot Number: YG14032

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	GWA-1	Aqueous	07/13/2023 1158	07/14/2023
002	GWA-2	Aqueous	07/12/2023 1324	07/14/2023
003	GWC-1	Aqueous	07/11/2023 1113	07/14/2023
004	GWC-2	Aqueous	07/11/2023 1043	07/14/2023
005	GWC-3	Aqueous	07/13/2023 1013	07/14/2023
006	GWC-4	Aqueous	07/13/2023 1052	07/14/2023
007	GWC-5	Aqueous	07/13/2023 1118	07/14/2023
008	GWC-6	Aqueous	07/10/2023 1027	07/14/2023
009	GWC-7	Aqueous	07/10/2023 1306	07/14/2023
010	GWC-7A	Aqueous	07/10/2023 1236	07/14/2023
011	GWC-8	Aqueous	07/12/2023 1048	07/14/2023
012	GWC-9	Aqueous	07/10/2023 1118	07/14/2023
013	GWC-10	Aqueous	07/13/2023 1203	07/14/2023
014	GWC-11	Aqueous	07/10/2023 1344	07/14/2023
015	GWC-12R	Aqueous	07/10/2023 1204	07/14/2023
016	GWC-13R	Aqueous	07/12/2023 1312	07/14/2023
017	GWC-14R	Aqueous	07/12/2023 1130	07/14/2023
018	GWC-15	Aqueous	07/12/2023 1252	07/14/2023
019	GWC-16	Aqueous	07/12/2023 1205	07/14/2023
020	GWC-17	Aqueous	07/12/2023 1232	07/14/2023
021	GWC-18	Aqueous	07/11/2023 1415	07/14/2023
022	GWC-19	Aqueous	07/12/2023 1327	07/14/2023
023	GWC-20	Aqueous	07/11/2023 1318	07/14/2023
024	GWC-21	Aqueous	07/13/2023 1044	07/14/2023
025	GWC-22	Aqueous	07/11/2023 1242	07/14/2023
026	GWC-23	Aqueous	07/11/2023 1205	07/14/2023
027	GWC-24	Aqueous	07/11/2023 1127	07/14/2023
028	GWC-25	Aqueous	07/11/2023 1050	07/14/2023
029	GWC-26	Aqueous	07/12/2023 1034	07/14/2023
030	GWC-27	Aqueous	07/12/2023 1202	07/14/2023
031	GWC-28	Aqueous	07/12/2023 1135	07/14/2023
032	GWC-29	Aqueous	07/12/2023 1110	07/14/2023
033	SWC-1	Aqueous	07/13/2023 1131	07/14/2023
034	SWC-2	Aqueous	07/13/2023 1211	07/14/2023
035	SWC-5	Aqueous	07/10/2023 1240	07/14/2023
036	SWC-6	Aqueous	07/13/2023 1001	07/14/2023
037	SWC-7	Aqueous	07/13/2023 1017	07/14/2023
038	SWC-8	Aqueous	07/13/2023 1129	07/14/2023
039	SWC-10	Aqueous	07/11/2023 1334	07/14/2023
040	SWC-12	Aqueous	07/13/2023 1025	07/14/2023
041	SWA-1	Aqueous	07/13/2023 1102	07/14/2023
042	SWC-9	Aqueous	07/10/2023 1320	07/14/2023
043	Field Blank	Aqueous	07/13/2023 1222	07/14/2023
044	Trip Blank	Aqueous	07/10/2023 0830	07/14/2023

Sample Summary (Continued)

Lot Number: YG14032

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
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(44 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary GFL Environmental Holdings (US), Inc. Lot Number: YG14032

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	GWA-2	Aqueous	Toluene	8260D	3.6		ug/L	15
002	GWA-2	Aqueous	Barium	6020B	23		ug/L	15
004	GWC-2	Aqueous	Barium	6020B	29		ug/L	20
006	GWC-4	Aqueous	Barium	6020B	35		ug/L	24
006	GWC-4	Aqueous	Zinc	6020B	20		ug/L	24
007	GWC-5	Aqueous	Barium	6020B	45		ug/L	26
007	GWC-5	Aqueous	Cobalt	6020B	9.0		ug/L	26
008	GWC-6	Aqueous	Barium	6020B	66		ug/L	28
010	GWC-7A	Aqueous	Barium	6020B	30		ug/L	32
011	GWC-8	Aqueous	Barium	6020B	42		ug/L	34
011	GWC-8	Aqueous	Cobalt	6020B	34		ug/L	34
012	GWC-9	Aqueous	Barium	6020B	82		ug/L	36
012	GWC-9	Aqueous	Cobalt	6020B	50		ug/L	36
012	GWC-9	Aqueous	Zinc	6020B	24		ug/L	36
013	GWC-10	Aqueous	Barium	6020B	87		ug/L	38
013	GWC-10	Aqueous	Cobalt	6020B	8.0		ug/L	38
014	GWC-11	Aqueous	Barium	6020B	210		ug/L	40
014	GWC-11	Aqueous	Cobalt	6020B	56		ug/L	41
014	GWC-11	Aqueous	Selenium	6020B	12		ug/L	41
014	GWC-11	Aqueous	Zinc	6020B	39		ug/L	41
015	GWC-12R	Aqueous	Benzene	8260D	2.6		ug/L	42
015	GWC-12R	Aqueous	Barium	6020B	130		ug/L	43
015	GWC-12R	Aqueous	Cobalt	6020B	120		ug/L	43
015	GWC-12R	Aqueous	Nickel	6020B	28		ug/L	44
015	GWC-12R	Aqueous	Zinc	6020B	21		ug/L	44
016	GWC-13R	Aqueous	Barium	6020B	45		ug/L	46
017	GWC-14R	Aqueous	Barium	6020B	29		ug/L	48
018	GWC-15	Aqueous	Barium	6020B	150		ug/L	50
018	GWC-15	Aqueous	Cobalt	6020B	7.3		ug/L	50
018	GWC-15	Aqueous	Zinc	6020B	21		ug/L	50
019	GWC-16	Aqueous	Barium	6020B	160		ug/L	52
019	GWC-16	Aqueous	Cobalt	6020B	20		ug/L	52
020	GWC-17	Aqueous	Barium	6020B	54		ug/L	54
021	GWC-18	Aqueous	Barium	6020B	22		ug/L	56
022	GWC-19	Aqueous	Barium	6020B	58		ug/L	58
022	GWC-19	Aqueous	Zinc	6020B	20		ug/L	58
026	GWC-23	Aqueous	Barium	6020B	20		ug/L	66
032	GWC-29	Aqueous	Zinc	6020B	85		ug/L	78
033	SWC-1	Aqueous	Chloride	9056A	4.2		mg/L	79
033	SWC-1	Aqueous	TDS	SM 2540C-	72		mg/L	79
034	SWC-2	Aqueous	Chloride	9056A	2.5		mg/L	81
034	SWC-2	Aqueous	TDS	SM 2540C-	53		mg/L	81
035	SWC-5	Aqueous	Chloride	9056A	7.3		mg/L	83
035	SWC-5	Aqueous	TDS	SM 2540C-	63		mg/L	83
036	SWC-6	Aqueous	Chloride	9056A	4.2		mg/L	85

Detection Summary (Continued)

Lot Number: YG14032

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
036	SWC-6	Aqueous	TDS	SM 2540C-	72		mg/L	85
037	SWC-7	Aqueous	Chloride	9056A	3.0		mg/L	87
037	SWC-7	Aqueous	TDS	SM 2540C-	45		mg/L	87
038	SWC-8	Aqueous	Chloride	9056A	5.5		mg/L	89
038	SWC-8	Aqueous	TDS	SM 2540C-	61		mg/L	89
039	SWC-10	Aqueous	Chloride	9056A	3.1		mg/L	91
039	SWC-10	Aqueous	TDS	SM 2540C-	49		mg/L	91
040	SWC-12	Aqueous	Chloride	9056A	3.6		mg/L	93
040	SWC-12	Aqueous	TDS	SM 2540C-	45		mg/L	93
041	SWA-1	Aqueous	Chloride	9056A	1.6		mg/L	95
041	SWA-1	Aqueous	TDS	SM 2540C-	27		mg/L	95
042	SWC-9	Aqueous	Chloride	9056A	1.5		mg/L	97
042	SWC-9	Aqueous	TDS	SM 2540C-	25		mg/L	97

(58 detections)

Description: GWA-1

Matrix: Aqueous

Date Sampled: 07/13/2023 1158

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1625	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		100	ug/L	1
Acetonitrile	75-05-8	8260D	ND		50	ug/L	1
Acrolein	107-02-8	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		50	ug/L	1
Benzene	71-43-2	8260D	ND		2.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		10	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		10	ug/L	1
Bromoform	75-25-2	8260D	ND		10	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		10	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		100	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		2.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260D	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		10	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		10	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260D	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		25	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		10	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		5.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		10	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		100	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		10	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		10	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		10	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		2.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		2.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		2.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		2.0	ug/L	1
1,3-Dichloropropane	142-28-9	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		10	ug/L	1
1,1-Dichloropropene	563-58-6	8260D	ND		2.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		2.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		2.0	ug/L	1
Ethyl methacrylate	97-63-2	8260D	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		2.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWA-1

Matrix: Aqueous

Date Sampled: 07/13/2023 1158

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1625	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
2-Hexanone	591-78-6	8260D	ND		50	ug/L	1
Isobutyl alcohol	78-83-1	8260D	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260D	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		100	ug/L	1
Methyl methacrylate	80-62-6	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		50	ug/L	1
Methylene chloride	75-09-2	8260D	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260D	ND		20	ug/L	1
Styrene	100-42-5	8260D	ND		10	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		2.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		2.0	ug/L	1
Toluene	108-88-3	8260D	ND		2.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		2.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		2.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		2.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		10	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		10	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		100	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		113	70-130
1,2-Dichloroethane-d4		116	70-130
Toluene-d8		111	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1518	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWA-1

Matrix: Aqueous

Date Sampled: 07/13/2023 1158

Date Received: 07/14/2023

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1518	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Tin	7440-31-5	6020B	ND		20	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1615	AMR2		80341

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		100	ug/L	1
Acetonitrile	75-05-8	8260D	ND		50	ug/L	1
Acrolein	107-02-8	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		50	ug/L	1
Benzene	71-43-2	8260D	ND		2.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		10	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		10	ug/L	1
Bromoform	75-25-2	8260D	ND		10	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		10	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		100	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		2.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260D	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		10	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		10	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260D	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		25	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		10	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		5.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		10	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		100	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		10	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		10	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		10	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		2.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		2.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		2.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		2.0	ug/L	1
1,3-Dichloropropane	142-28-9	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		10	ug/L	1
1,1-Dichloropropene	563-58-6	8260D	ND		2.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		2.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		2.0	ug/L	1
Ethyl methacrylate	97-63-2	8260D	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		2.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWA-2

Matrix: Aqueous

Date Sampled: 07/12/2023 1324

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1615	AMR2		80341
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
2-Hexanone	591-78-6	8260D	ND		50	ug/L	1
Isobutyl alcohol	78-83-1	8260D	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260D	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		100	ug/L	1
Methyl methacrylate	80-62-6	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		50	ug/L	1
Methylene chloride	75-09-2	8260D	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260D	ND		20	ug/L	1
Styrene	100-42-5	8260D	ND		10	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		2.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		2.0	ug/L	1
Toluene	108-88-3	8260D	3.6		2.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		2.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		2.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		2.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		10	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		10	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		100	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		109	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1529	BNW	07/18/2023 1547	80067
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	23		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1529	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Tin	7440-31-5	6020B	ND		20	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-1

Matrix: Aqueous

Date Sampled: 07/11/2023 1113

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1637	AMR2		80341

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-1

Matrix: Aqueous

Date Sampled: 07/11/2023 1113

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1637	AMR2		80341

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		108	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1540	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: GWC-2

Matrix: Aqueous

Date Sampled: 07/11/2023 1043

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1700	AMR2		80341

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-2

Matrix: Aqueous

Date Sampled: 07/11/2023 1043

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1700	AMR2		80341

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		109	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1551	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	29		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-3

Matrix: Aqueous

Date Sampled: 07/13/2023 1013

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1650	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-3

Matrix: Aqueous

Date Sampled: 07/13/2023 1013

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1650	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		100	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1602	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-4

Matrix: Aqueous

Date Sampled: 07/13/2023 1052

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1714	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-4

Matrix: Aqueous

Date Sampled: 07/13/2023 1052

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1714	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		117	70-130
1,2-Dichloroethane-d4		115	70-130
Toluene-d8		111	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1613	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	35		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	20		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-5

Matrix: Aqueous

Date Sampled: 07/13/2023 1118

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1739	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-5

Matrix: Aqueous

Date Sampled: 07/13/2023 1118

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1739	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		106	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1645	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	45		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	9.0		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-6

Matrix: Aqueous

Date Sampled: 07/10/2023 1027

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1449	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND	L	20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-6

Matrix: Aqueous

Date Sampled: 07/10/2023 1027

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1449	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		84	70-130
Toluene-d8		97	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1656	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	66		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

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P = The RPD between two GC columns exceeds 40%

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W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-7

Matrix: Aqueous

Date Sampled: 07/10/2023 1306

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1512	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND	L	20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

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P = The RPD between two GC columns exceeds 40%

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H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-7

Matrix: Aqueous

Date Sampled: 07/10/2023 1306

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1512	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		85	70-130
Toluene-d8		96	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1707	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-7A

Matrix: Aqueous

Date Sampled: 07/10/2023 1236

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1535	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND	L	20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

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S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-7A

Matrix: Aqueous

Date Sampled: 07/10/2023 1236

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1535	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		86	70-130
Toluene-d8		95	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1718	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	30		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-8

Matrix: Aqueous

Date Sampled: 07/12/2023 1048

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1723	AMR2		80341

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-8

Matrix: Aqueous

Date Sampled: 07/12/2023 1048

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1723	AMR2		80341

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		111	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1729	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	42		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	34		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-9

Matrix: Aqueous

Date Sampled: 07/10/2023 1118

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1603	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND	L	20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-9

Matrix: Aqueous

Date Sampled: 07/10/2023 1118

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1603	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		85	70-130
Toluene-d8		100	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1740	BNW	07/18/2023 1547	80067
2	3005A	6020B	1	07/20/2023 2056	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	82		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	50		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	2
Silver	7440-22-4	6020B	ND		10	ug/L	2
Thallium	7440-28-0	6020B	ND		2.0	ug/L	2
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	24		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-10

Matrix: Aqueous

Date Sampled: 07/13/2023 1203

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1804	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-10

Matrix: Aqueous

Date Sampled: 07/13/2023 1203

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1804	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		105	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1751	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	87		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	8.0		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-11

Matrix: Aqueous

Date Sampled: 07/10/2023 1344

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1626	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND	L	100	ug/L	1
Acetonitrile	75-05-8	8260D	ND		50	ug/L	1
Acrolein	107-02-8	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		50	ug/L	1
Benzene	71-43-2	8260D	ND		2.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		10	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		10	ug/L	1
Bromoform	75-25-2	8260D	ND		10	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		10	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		100	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		2.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)	126-99-8	8260D	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		10	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		10	ug/L	1
3-Chloropropene (Allyl chloride)	107-05-1	8260D	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		25	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		10	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		5.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		10	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		100	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		10	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		10	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		10	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		2.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		2.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		2.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		2.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		2.0	ug/L	1
1,3-Dichloropropane	142-28-9	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		10	ug/L	1
1,1-Dichloropropene	563-58-6	8260D	ND		2.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		2.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		2.0	ug/L	1
Ethyl methacrylate	97-63-2	8260D	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		2.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-11

Matrix: Aqueous

Date Sampled: 07/10/2023 1344

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1626	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
2-Hexanone	591-78-6	8260D	ND		50	ug/L	1
Isobutyl alcohol	78-83-1	8260D	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260D	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		100	ug/L	1
Methyl methacrylate	80-62-6	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		50	ug/L	1
Methylene chloride	75-09-2	8260D	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260D	ND		20	ug/L	1
Styrene	100-42-5	8260D	ND		10	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		2.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		2.0	ug/L	1
Toluene	108-88-3	8260D	ND		2.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		2.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		2.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		2.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		10	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		10	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		100	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		83	70-130
Toluene-d8		96	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1907	BNW	07/18/2023 1547	80067
2	3005A	6020B	1	07/20/2023 2118	BNW	07/18/2023 1547	80067
3	3005A	6020B	5	07/20/2023 2129	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		30	ug/L	3
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	210		100	ug/L	3
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1907	BNW	07/18/2023 1547	80067
2	3005A	6020B	1	07/20/2023 2118	BNW	07/18/2023 1547	80067
3	3005A	6020B	5	07/20/2023 2129	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	56		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		75	ug/L	3
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	12		10	ug/L	2
Silver	7440-22-4	6020B	ND		10	ug/L	2
Thallium	7440-28-0	6020B	ND		10	ug/L	3
Tin	7440-31-5	6020B	ND		20	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	39		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-12R

Matrix: Aqueous

Date Sampled: 07/10/2023 1204

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	5030B	8260D	1	07/18/2023 1648	AMR2		80243	
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone		67-64-1	8260D	ND	L	100	ug/L	1
Acetonitrile		75-05-8	8260D	ND		50	ug/L	1
Acrolein		107-02-8	8260D	ND		20	ug/L	1
Acrylonitrile		107-13-1	8260D	ND		50	ug/L	1
Benzene		71-43-2	8260D	2.6		2.0	ug/L	1
Bromochloromethane		74-97-5	8260D	ND		10	ug/L	1
Bromodichloromethane		75-27-4	8260D	ND		10	ug/L	1
Bromoform		75-25-2	8260D	ND		10	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260D	ND		10	ug/L	1
2-Butanone (MEK)		78-93-3	8260D	ND		100	ug/L	1
Carbon disulfide		75-15-0	8260D	ND		5.0	ug/L	1
Carbon tetrachloride		56-23-5	8260D	ND		2.0	ug/L	1
2-Chloro-1,3-Butadiene (Chloroprene)		126-99-8	8260D	ND		5.0	ug/L	1
Chlorobenzene		108-90-7	8260D	ND		10	ug/L	1
Chloroethane		75-00-3	8260D	ND		2.0	ug/L	1
Chloroform		67-66-3	8260D	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260D	ND		10	ug/L	1
3-Chloropropene (Allyl chloride)		107-05-1	8260D	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260D	ND		25	ug/L	1
Dibromochloromethane		124-48-1	8260D	ND		10	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260D	ND		5.0	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260D	ND		10	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260D	ND		100	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260D	ND		10	ug/L	1
1,3-Dichlorobenzene		541-73-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260D	ND		10	ug/L	1
Dichlorodifluoromethane		75-71-8	8260D	ND		10	ug/L	1
1,1-Dichloroethane		75-34-3	8260D	ND		2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		2.0	ug/L	1
1,1-Dichloroethene		75-35-4	8260D	ND		2.0	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260D	ND		2.0	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260D	ND		2.0	ug/L	1
1,2-Dichloropropane		78-87-5	8260D	ND		2.0	ug/L	1
1,3-Dichloropropane		142-28-9	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane		594-20-7	8260D	ND		10	ug/L	1
1,1-Dichloropropene		563-58-6	8260D	ND		2.0	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260D	ND		2.0	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260D	ND		2.0	ug/L	1
Ethyl methacrylate		97-63-2	8260D	ND		5.0	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		2.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-12R

Matrix: Aqueous

Date Sampled: 07/10/2023 1204

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1648	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
2-Hexanone	591-78-6	8260D	ND		50	ug/L	1
Isobutyl alcohol	78-83-1	8260D	ND		50	ug/L	1
Methacrylonitrile	126-98-7	8260D	ND		5.0	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		100	ug/L	1
Methyl methacrylate	80-62-6	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		50	ug/L	1
Methylene chloride	75-09-2	8260D	ND		5.0	ug/L	1
Propionitrile (Ethyl cyanide)	107-12-0	8260D	ND		20	ug/L	1
Styrene	100-42-5	8260D	ND		10	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		2.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		2.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		2.0	ug/L	1
Toluene	108-88-3	8260D	ND		2.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		2.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		2.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		2.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		10	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		10	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		100	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		2.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		84	70-130
Toluene-d8		94	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1918	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	130		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	120		6.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1918	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	28		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Tin	7440-31-5	6020B	ND		20	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	21		20	ug/L	1

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range Q = Surrogate failure
 ND = Not detected at or above the LOQ N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

Description: GWC-13R

Matrix: Aqueous

Date Sampled: 07/12/2023 1312

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1745	AMR2		80341

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-13R

Matrix: Aqueous

Date Sampled: 07/12/2023 1312

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1745	AMR2		80341

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		109	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1929	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	45		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-14R

Matrix: Aqueous

Date Sampled: 07/12/2023 1130

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1829	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

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P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: GWC-14R

Matrix: Aqueous

Date Sampled: 07/12/2023 1130

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1829	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		100	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1940	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	29		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-15

Matrix: Aqueous

Date Sampled: 07/12/2023 1252

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1854	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: GWC-15

Matrix: Aqueous

Date Sampled: 07/12/2023 1252

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1854	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		96	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 1951	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	150		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	7.3		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	21		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-16

Matrix: Aqueous

Date Sampled: 07/12/2023 1205

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1919	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-16

Matrix: Aqueous

Date Sampled: 07/12/2023 1205

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1919	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		95	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 2002	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	160		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	20		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-17

Matrix: Aqueous

Date Sampled: 07/12/2023 1232

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1943	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-17

Matrix: Aqueous

Date Sampled: 07/12/2023 1232

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 1943	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		108	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 2013	BNW	07/18/2023 1547	80067

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	54		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND		10	ug/L	1
Thallium	7440-28-0	6020B	ND		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-18

Matrix: Aqueous

Date Sampled: 07/11/2023 1415

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 2008	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

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P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-18

Matrix: Aqueous

Date Sampled: 07/11/2023 1415

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 2008	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		103	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 2118	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	22		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-19

Matrix: Aqueous

Date Sampled: 07/12/2023 1327

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 2033	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-19

Matrix: Aqueous

Date Sampled: 07/12/2023 1327

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/19/2023 2033	JM1		80381

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		108	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 2129	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	58		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	20		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-20

Matrix: Aqueous

Date Sampled: 07/11/2023 1318

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/20/2023 1622	AMR2		80462

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-20

Matrix: Aqueous

Date Sampled: 07/11/2023 1318

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/20/2023 1622	AMR2		80462

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		110	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 2140	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-21

Matrix: Aqueous

Date Sampled: 07/13/2023 1044

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1159	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-21

Matrix: Aqueous

Date Sampled: 07/13/2023 1044

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1159	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		110	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 2151	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-22

Matrix: Aqueous

Date Sampled: 07/11/2023 1242

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/20/2023 1645	AMR2		80462

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-22

Matrix: Aqueous

Date Sampled: 07/11/2023 1242

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/20/2023 1645	AMR2		80462

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		109	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 2202	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-23

Matrix: Aqueous

Date Sampled: 07/11/2023 1205

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/20/2023 1707	AMR2		80462

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-23

Matrix: Aqueous

Date Sampled: 07/11/2023 1205

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/20/2023 1707	AMR2		80462

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		113	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 2213	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	20		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-24

Matrix: Aqueous

Date Sampled: 07/11/2023 1127

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/20/2023 1730	AMR2		80462

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-24

Matrix: Aqueous

Date Sampled: 07/11/2023 1127

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/20/2023 1730	AMR2		80462

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		111	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/19/2023 2351	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-25

Matrix: Aqueous

Date Sampled: 07/11/2023 1050

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/20/2023 1753	AMR2		80462

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-25

Matrix: Aqueous

Date Sampled: 07/11/2023 1050

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/20/2023 1753	AMR2		80462

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		106	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/20/2023 0002	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-26

Matrix: Aqueous

Date Sampled: 07/12/2023 1034

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1222	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-26

Matrix: Aqueous

Date Sampled: 07/12/2023 1034

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1222	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		109	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/20/2023 0013	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-27

Matrix: Aqueous

Date Sampled: 07/12/2023 1202

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1245	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: GWC-27

Matrix: Aqueous

Date Sampled: 07/12/2023 1202

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1245	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		109	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/20/2023 0024	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-28

Matrix: Aqueous

Date Sampled: 07/12/2023 1135

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1308	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-28

Matrix: Aqueous

Date Sampled: 07/12/2023 1135

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1308	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		109	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/20/2023 0035	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-29

Matrix: Aqueous

Date Sampled: 07/12/2023 1110

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1331	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: GWC-29

Matrix: Aqueous

Date Sampled: 07/12/2023 1110

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1331	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		111	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/20/2023 0046	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	85		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: SWC-1

Matrix: Aqueous

Date Sampled: 07/13/2023 1131

Date Received: 07/14/2023

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Chloride) 9056A	1	07/18/2023 1600	SJL		80304
1		(TDS) SM 2540C-2015	1	07/17/2023 1329	CBP		80127

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chloride		9056A	4.2		1.0	mg/L	1
TDS		SM 2540C-2015	72		25	mg/L	1

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1353	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: SWC-1

Matrix: Aqueous

Date Sampled: 07/13/2023 1131

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1353	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SWC-2

Matrix: Aqueous

Date Sampled: 07/13/2023 1211

Date Received: 07/14/2023

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Chloride) 9056A	1	07/18/2023 1703	SJL		80304
1		(TDS) SM 2540C-2015	1	07/17/2023 1329	CBP		80127

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chloride		9056A	2.5		1.0	mg/L	1
TDS		SM 2540C-2015	53		25	mg/L	1

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1416	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1416	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		109	70-130

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range Q = Surrogate failure
 ND = Not detected at or above the LOQ N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

Description: SWC-5

Matrix: Aqueous

Date Sampled: 07/10/2023 1240

Date Received: 07/14/2023

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Chloride) 9056A	1	07/18/2023 1724	SJL		80304
1		(TDS) SM 2540C-2015	1	07/17/2023 1329	CBP		80127

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chloride		9056A	7.3		1.0	mg/L	1
TDS		SM 2540C-2015	63		25	mg/L	1

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1711	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND	L	20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SWC-5

Matrix: Aqueous

Date Sampled: 07/10/2023 1240

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1711	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		85	70-130
Toluene-d8		97	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SWC-6

Matrix: Aqueous

Date Sampled: 07/13/2023 1001

Date Received: 07/14/2023

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Chloride) 9056A	1	07/18/2023 1745	SJL		80304
1		(TDS) SM 2540C-2015	1	07/17/2023 1329	CBP		80127

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chloride		9056A	4.2		1.0	mg/L	1
TDS		SM 2540C-2015	72		25	mg/L	1

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1440	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SWC-6

Matrix: Aqueous

Date Sampled: 07/13/2023 1001

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1440	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SWC-7

Matrix: Aqueous

Date Sampled: 07/13/2023 1017

Date Received: 07/14/2023

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Chloride) 9056A	1	07/18/2023 1806	SJL		80304
1		(TDS) SM 2540C-2015	1	07/17/2023 1329	CBP		80127

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chloride		9056A	3.0		1.0	mg/L	1
TDS		SM 2540C-2015	45		25	mg/L	1

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1503	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: SWC-7

Matrix: Aqueous

Date Sampled: 07/13/2023 1017

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1503	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		109	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: SWC-8

Matrix: Aqueous

Date Sampled: 07/13/2023 1129

Date Received: 07/14/2023

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Chloride) 9056A	1	07/18/2023 1827	SJL		80304
1		(TDS) SM 2540C-2015	1	07/17/2023 1329	CBP		80127

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chloride		9056A	5.5		1.0	mg/L	1
TDS		SM 2540C-2015	61		25	mg/L	1

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/25/2023 0106	JMM2		80763

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: SWC-8

Matrix: Aqueous

Date Sampled: 07/13/2023 1129

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/25/2023 0106	JMM2		80763

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		112	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

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Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: SWC-10

Matrix: Aqueous

Date Sampled: 07/11/2023 1334

Date Received: 07/14/2023

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Chloride) 9056A	1	07/18/2023 1929	SJL		80304
1		(TDS) SM 2540C-2015	1	07/17/2023 1329	CBP		80127

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chloride		9056A	3.1		1.0	mg/L	1
TDS		SM 2540C-2015	49		25	mg/L	1

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/23/2023 2040	JMM2		80648

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: SWC-10

Matrix: Aqueous

Date Sampled: 07/11/2023 1334

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/23/2023 2040	JMM2		80648

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		109	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SWC-12

Matrix: Aqueous

Date Sampled: 07/13/2023 1025

Date Received: 07/14/2023

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Chloride) 9056A	1	07/18/2023 1950	SJL		80304
1		(TDS) SM 2540C-2015	1	07/17/2023 1329	CBP		80127

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chloride		9056A	3.6		1.0	mg/L	1
TDS		SM 2540C-2015	45		25	mg/L	1

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/24/2023 0125	CDA		80652

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: SWC-12

Matrix: Aqueous

Date Sampled: 07/13/2023 1025

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/24/2023 0125	CDA		80652

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: SWA-1

Matrix: Aqueous

Date Sampled: 07/13/2023 1102

Date Received: 07/14/2023

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Chloride) 9056A	1	07/18/2023 2011	SJL		80304
1		(TDS) SM 2540C-2015	1	07/17/2023 1329	CBP		80127

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chloride		9056A	1.6		1.0	mg/L	1
TDS		SM 2540C-2015	27		25	mg/L	1

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/24/2023 0148	CDA		80652

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

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Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: SWA-1

Matrix: Aqueous

Date Sampled: 07/13/2023 1102

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/24/2023 0148	CDA		80652

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

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P = The RPD between two GC columns exceeds 40%

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W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: SWC-9

Matrix: Aqueous

Date Sampled: 07/10/2023 1320

Date Received: 07/14/2023

Inorganic non-metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Chloride) 9056A	1	07/18/2023 2032	SJL		80304
1		(TDS) SM 2540C-2015	1	07/17/2023 1329	CBP		80127

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Chloride		9056A	1.5		1.0	mg/L	1
TDS		SM 2540C-2015	25		25	mg/L	1

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1734	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND	L	20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: SWC-9

Matrix: Aqueous

Date Sampled: 07/10/2023 1320

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1734	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		85	70-130
Toluene-d8		94	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: Field Blank

Matrix: Aqueous

Date Sampled: 07/13/2023 1222

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1136	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: Field Blank

Matrix: Aqueous

Date Sampled: 07/13/2023 1222

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/21/2023 1136	AMR2		80565

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		110	70-130

ICP-MS Metals

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020B	1	07/20/2023 0057	BNW	07/18/2023 1403	80068

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Antimony	7440-36-0	6020B	ND		6.0	ug/L	1
Arsenic	7440-38-2	6020B	ND		10	ug/L	1
Barium	7440-39-3	6020B	ND		20	ug/L	1
Beryllium	7440-41-7	6020B	ND		3.0	ug/L	1
Cadmium	7440-43-9	6020B	ND		5.0	ug/L	1
Chromium	7440-47-3	6020B	ND		10	ug/L	1
Cobalt	7440-48-4	6020B	ND		6.0	ug/L	1
Copper	7440-50-8	6020B	ND		20	ug/L	1
Lead	7439-92-1	6020B	ND		15	ug/L	1
Nickel	7440-02-0	6020B	ND		20	ug/L	1
Selenium	7782-49-2	6020B	ND		10	ug/L	1
Silver	7440-22-4	6020B	ND L		10	ug/L	1
Thallium	7440-28-0	6020B	ND L		2.0	ug/L	1
Vanadium	7440-62-2	6020B	ND		20	ug/L	1
Zinc	7440-66-6	6020B	ND		20	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: Trip Blank

Matrix: Aqueous

Date Sampled: 07/10/2023 0830

Date Received: 07/14/2023

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1317	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND	L	20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260D	ND		2.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
2,2-Dichloropropane	594-20-7	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/18/2023 1317	AMR2		80243

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		83	70-130
Toluene-d8		96	70-130

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range Q = Surrogate failure
 ND = Not detected at or above the LOQ N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

QC Summary

Inorganic non-metals - MB

Sample ID: YQ80127-001

Matrix: Aqueous

Batch: 80127

Analytical Method: SM 2540C-2015

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
TDS	ND		1	25	mg/L	07/17/2023 1329

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Inorganic non-metals - LCS

Sample ID: YQ80127-002

Matrix: Aqueous

Batch: 80127

Analytical Method: SM 2540C-2015

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
TDS	50	45		1	90	90-110	07/17/2023 1329

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Inorganic non-metals - Duplicate

Sample ID: YG14032-038DU

Matrix: Aqueous

Batch: 80127

Analytical Method: SM 2540C-2015

Parameter	Sample Amount (mg/L)	Result (mg/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
TDS	61	61		1	0.00	20	07/17/2023 1329

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Inorganic non-metals - Duplicate

Sample ID: YG14032-039DU

Matrix: Aqueous

Batch: 80127

Analytical Method: SM 2540C-2015

Parameter	Sample Amount (mg/L)	Result (mg/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
TDS	49	49		1	0.00	20	07/17/2023 1329

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Inorganic non-metals - MB

Sample ID: YQ80304-001

Matrix: Aqueous

Batch: 80304

Analytical Method: 9056A

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Chloride	ND		1	1.0	mg/L	07/18/2023 1457

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Inorganic non-metals - LCS

Sample ID: YQ80304-002

Matrix: Aqueous

Batch: 80304

Analytical Method: 9056A

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Chloride	20	20		1	102	80-120	07/18/2023 1539

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Inorganic non-metals - MS

Sample ID: YG14032-033MS

Matrix: Aqueous

Batch: 80304

Analytical Method: 9056A

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Chloride	4.2	10	14		1	101	80-120	07/18/2023 1621

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Inorganic non-metals - MSD

Sample ID: YG14032-033MD

Matrix: Aqueous

Batch: 80304

Analytical Method: 9056A

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Chloride	4.2	10	14		1	101	0.22	80-120	20	07/18/2023 1642

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80243-001

Matrix: Aqueous

Batch: 80243

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	07/18/2023 1132
Acrylonitrile	ND		1	20	ug/L	07/18/2023 1132
Benzene	ND		1	1.0	ug/L	07/18/2023 1132
Bromochloromethane	ND		1	1.0	ug/L	07/18/2023 1132
Bromodichloromethane	ND		1	1.0	ug/L	07/18/2023 1132
Bromoform	ND		1	1.0	ug/L	07/18/2023 1132
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	07/18/2023 1132
2-Butanone (MEK)	ND		1	10	ug/L	07/18/2023 1132
Carbon disulfide	ND		1	1.0	ug/L	07/18/2023 1132
Carbon tetrachloride	ND		1	1.0	ug/L	07/18/2023 1132
Chlorobenzene	ND		1	1.0	ug/L	07/18/2023 1132
Chloroethane	ND		1	2.0	ug/L	07/18/2023 1132
Chloroform	ND		1	1.0	ug/L	07/18/2023 1132
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	07/18/2023 1132
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	07/18/2023 1132
Dibromochloromethane	ND		1	1.0	ug/L	07/18/2023 1132
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	07/18/2023 1132
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	07/18/2023 1132
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	07/18/2023 1132
1,2-Dichlorobenzene	ND		1	1.0	ug/L	07/18/2023 1132
1,4-Dichlorobenzene	ND		1	1.0	ug/L	07/18/2023 1132
Dichlorodifluoromethane	ND		1	2.0	ug/L	07/18/2023 1132
1,1-Dichloroethane	ND		1	1.0	ug/L	07/18/2023 1132
1,2-Dichloroethane	ND		1	1.0	ug/L	07/18/2023 1132
1,1-Dichloroethene	ND		1	1.0	ug/L	07/18/2023 1132
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	07/18/2023 1132
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	07/18/2023 1132
1,2-Dichloropropane	ND		1	1.0	ug/L	07/18/2023 1132
2,2-Dichloropropane	ND		1	1.0	ug/L	07/18/2023 1132
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	07/18/2023 1132
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	07/18/2023 1132
Ethylbenzene	ND		1	1.0	ug/L	07/18/2023 1132
2-Hexanone	ND		1	10	ug/L	07/18/2023 1132
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	07/18/2023 1132
4-Methyl-2-pentanone	ND		1	10	ug/L	07/18/2023 1132
Methylene chloride	ND		1	1.0	ug/L	07/18/2023 1132
Styrene	ND		1	1.0	ug/L	07/18/2023 1132
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	07/18/2023 1132
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	07/18/2023 1132
Tetrachloroethene	ND		1	1.0	ug/L	07/18/2023 1132
Toluene	ND		1	1.0	ug/L	07/18/2023 1132
1,1,1-Trichloroethane	ND		1	1.0	ug/L	07/18/2023 1132
1,1,2-Trichloroethane	ND		1	1.0	ug/L	07/18/2023 1132
Trichloroethene	ND		1	1.0	ug/L	07/18/2023 1132

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80243-001

Matrix: Aqueous

Batch: 80243

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Trichlorofluoromethane	ND		1	1.0	ug/L	07/18/2023 1132
1,2,3-Trichloropropane	ND		1	1.0	ug/L	07/18/2023 1132
Vinyl acetate	ND		1	5.0	ug/L	07/18/2023 1132
Vinyl chloride	ND		1	1.0	ug/L	07/18/2023 1132
Xylenes (total)	ND		1	1.0	ug/L	07/18/2023 1132
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		102	70-130			
1,2-Dichloroethane-d4		84	70-130			
Toluene-d8		94	70-130			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

* = RSD is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80243-002

Matrix: Aqueous

Batch: 80243

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	170	N	1	165	60-140	07/18/2023 0958
Acrylonitrile	100	95		1	95	70-130	07/18/2023 0958
Benzene	50	46		1	91	70-130	07/18/2023 0958
Bromochloromethane	50	45		1	89	70-130	07/18/2023 0958
Bromodichloromethane	50	47		1	95	70-130	07/18/2023 0958
Bromoform	50	53		1	105	70-130	07/18/2023 0958
Bromomethane (Methyl bromide)	50	48		1	95	70-130	07/18/2023 0958
2-Butanone (MEK)	100	130		1	127	70-130	07/18/2023 0958
Carbon disulfide	50	48		1	96	70-130	07/18/2023 0958
Carbon tetrachloride	50	46		1	91	70-130	07/18/2023 0958
Chlorobenzene	50	47		1	95	70-130	07/18/2023 0958
Chloroethane	50	49		1	97	70-130	07/18/2023 0958
Chloroform	50	43		1	86	70-130	07/18/2023 0958
Chloromethane (Methyl chloride)	50	53		1	107	60-140	07/18/2023 0958
1,2-Dibromo-3-chloropropane (DBCP)	50	58		1	115	70-130	07/18/2023 0958
Dibromochloromethane	50	56		1	113	70-130	07/18/2023 0958
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	07/18/2023 0958
Dibromomethane (Methylene bromide)	50	48		1	96	70-130	07/18/2023 0958
trans-1,4-Dichloro-2-butene	50	57		1	113	70-130	07/18/2023 0958
1,2-Dichlorobenzene	50	48		1	97	70-130	07/18/2023 0958
1,4-Dichlorobenzene	50	47		1	94	70-130	07/18/2023 0958
Dichlorodifluoromethane	50	49		1	98	60-140	07/18/2023 0958
1,1-Dichloroethane	50	43		1	86	70-130	07/18/2023 0958
1,2-Dichloroethane	50	45		1	89	70-130	07/18/2023 0958
1,1-Dichloroethene	50	48		1	96	70-130	07/18/2023 0958
cis-1,2-Dichloroethene	50	44		1	89	70-130	07/18/2023 0958
trans-1,2-Dichloroethene	50	45		1	89	70-130	07/18/2023 0958
1,2-Dichloropropane	50	46		1	91	70-130	07/18/2023 0958
2,2-Dichloropropane	50	49		1	97	70-130	07/18/2023 0958
cis-1,3-Dichloropropene	50	42		1	85	70-130	07/18/2023 0958
trans-1,3-Dichloropropene	50	50		1	101	70-130	07/18/2023 0958
Ethylbenzene	50	50		1	100	70-130	07/18/2023 0958
2-Hexanone	100	110		1	111	70-130	07/18/2023 0958
Methyl iodide (Iodomethane)	50	46		1	92	70-130	07/18/2023 0958
4-Methyl-2-pentanone	100	95		1	95	70-130	07/18/2023 0958
Methylene chloride	50	42		1	84	70-130	07/18/2023 0958
Styrene	50	53		1	107	70-130	07/18/2023 0958
1,1,1,2-Tetrachloroethane	50	51		1	102	70-130	07/18/2023 0958
1,1,2,2-Tetrachloroethane	50	48		1	97	70-130	07/18/2023 0958
Tetrachloroethene	50	51		1	101	70-130	07/18/2023 0958
Toluene	50	51		1	102	70-130	07/18/2023 0958
1,1,1-Trichloroethane	50	45		1	89	70-130	07/18/2023 0958
1,1,2-Trichloroethane	50	49		1	98	70-130	07/18/2023 0958
Trichloroethene	50	46		1	92	70-130	07/18/2023 0958

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80243-002

Matrix: Aqueous

Batch: 80243

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Trichlorofluoromethane	50	50		1	99	70-130	07/18/2023 0958
1,2,3-Trichloropropane	50	49		1	99	70-130	07/18/2023 0958
Vinyl acetate	50	52		1	104	60-140	07/18/2023 0958
Vinyl chloride	50	60		1	120	70-130	07/18/2023 0958
Xylenes (total)	100	100		1	102	70-130	07/18/2023 0958
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichloroethane-d4		78	70-130				
Toluene-d8		92	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80243-001

Matrix: Aqueous

Batch: 80243

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	100	ug/L	07/18/2023 1132
Acetonitrile	ND		1	50	ug/L	07/18/2023 1132
Acrolein	ND		1	20	ug/L	07/18/2023 1132
Acrylonitrile	ND		1	50	ug/L	07/18/2023 1132
Benzene	ND		1	2.0	ug/L	07/18/2023 1132
Bromochloromethane	ND		1	10	ug/L	07/18/2023 1132
Bromodichloromethane	ND		1	10	ug/L	07/18/2023 1132
Bromoform	ND		1	10	ug/L	07/18/2023 1132
Bromomethane (Methyl bromide)	ND		1	10	ug/L	07/18/2023 1132
2-Butanone (MEK)	ND		1	100	ug/L	07/18/2023 1132
Carbon disulfide	ND		1	5.0	ug/L	07/18/2023 1132
Carbon tetrachloride	ND		1	2.0	ug/L	07/18/2023 1132
2-Chloro-1,3-Butadiene (Chloroprene)	ND		1	5.0	ug/L	07/18/2023 1132
Chlorobenzene	ND		1	10	ug/L	07/18/2023 1132
Chloroethane	ND		1	2.0	ug/L	07/18/2023 1132
Chloroform	ND		1	5.0	ug/L	07/18/2023 1132
Chloromethane (Methyl chloride)	ND		1	10	ug/L	07/18/2023 1132
3-Chloropropene (Allyl chloride)	ND		1	5.0	ug/L	07/18/2023 1132
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	25	ug/L	07/18/2023 1132
Dibromochloromethane	ND		1	10	ug/L	07/18/2023 1132
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/L	07/18/2023 1132
Dibromomethane (Methylene bromide)	ND		1	10	ug/L	07/18/2023 1132
trans-1,4-Dichloro-2-butene	ND		1	100	ug/L	07/18/2023 1132
1,2-Dichlorobenzene	ND		1	10	ug/L	07/18/2023 1132
1,3-Dichlorobenzene	ND		1	1.0	ug/L	07/18/2023 1132
1,4-Dichlorobenzene	ND		1	10	ug/L	07/18/2023 1132
Dichlorodifluoromethane	ND		1	10	ug/L	07/18/2023 1132
1,1-Dichloroethane	ND		1	2.0	ug/L	07/18/2023 1132
1,2-Dichloroethane	ND		1	2.0	ug/L	07/18/2023 1132
1,1-Dichloroethene	ND		1	2.0	ug/L	07/18/2023 1132
cis-1,2-Dichloroethene	ND		1	2.0	ug/L	07/18/2023 1132
trans-1,2-Dichloroethene	ND		1	2.0	ug/L	07/18/2023 1132
1,2-Dichloropropane	ND		1	2.0	ug/L	07/18/2023 1132
1,3-Dichloropropane	ND		1	1.0	ug/L	07/18/2023 1132
2,2-Dichloropropane	ND		1	10	ug/L	07/18/2023 1132
1,1-Dichloropropene	ND		1	2.0	ug/L	07/18/2023 1132
cis-1,3-Dichloropropene	ND		1	2.0	ug/L	07/18/2023 1132
trans-1,3-Dichloropropene	ND		1	2.0	ug/L	07/18/2023 1132
Ethyl methacrylate	ND		1	5.0	ug/L	07/18/2023 1132
Ethylbenzene	ND		1	2.0	ug/L	07/18/2023 1132
2-Hexanone	ND		1	50	ug/L	07/18/2023 1132
Isobutyl alcohol	ND		1	50	ug/L	07/18/2023 1132
Methacrylonitrile	ND		1	5.0	ug/L	07/18/2023 1132
Methyl iodide (Iodomethane)	ND		1	100	ug/L	07/18/2023 1132

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80243-001

Matrix: Aqueous

Batch: 80243

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Methyl methacrylate	ND		1	5.0	ug/L	07/18/2023 1132
4-Methyl-2-pentanone	ND		1	50	ug/L	07/18/2023 1132
Methylene chloride	ND		1	5.0	ug/L	07/18/2023 1132
Propionitrile (Ethyl cyanide)	ND		1	20	ug/L	07/18/2023 1132
Styrene	ND		1	10	ug/L	07/18/2023 1132
1,1,1,2-Tetrachloroethane	ND		1	2.0	ug/L	07/18/2023 1132
1,1,2,2-Tetrachloroethane	ND		1	2.0	ug/L	07/18/2023 1132
Tetrachloroethene	ND		1	2.0	ug/L	07/18/2023 1132
Toluene	ND		1	2.0	ug/L	07/18/2023 1132
1,1,1-Trichloroethane	ND		1	2.0	ug/L	07/18/2023 1132
1,1,2-Trichloroethane	ND		1	2.0	ug/L	07/18/2023 1132
Trichloroethene	ND		1	2.0	ug/L	07/18/2023 1132
Trichlorofluoromethane	ND		1	10	ug/L	07/18/2023 1132
1,2,3-Trichloropropane	ND		1	10	ug/L	07/18/2023 1132
Vinyl acetate	ND		1	100	ug/L	07/18/2023 1132
Vinyl chloride	ND		1	2.0	ug/L	07/18/2023 1132
Xylenes (total)	ND		1	5.0	ug/L	07/18/2023 1132
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		102	70-130			
1,2-Dichloroethane-d4		84	70-130			
Toluene-d8		94	70-130			

LOQ = Limit of Quantitation

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80243-002

Matrix: Aqueous

Batch: 80243

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	170	N	1	165	60-140	07/18/2023 0958
Acetonitrile	500	460		1	93	60-140	07/18/2023 0958
Acrolein	500	460		1	93	60-140	07/18/2023 0958
Acrylonitrile	100	95		1	95	70-130	07/18/2023 0958
Benzene	50	46		1	91	70-130	07/18/2023 0958
Bromochloromethane	50	45		1	89	70-130	07/18/2023 0958
Bromodichloromethane	50	47		1	95	70-130	07/18/2023 0958
Bromoform	50	53		1	105	70-130	07/18/2023 0958
Bromomethane (Methyl bromide)	50	48		1	95	70-130	07/18/2023 0958
2-Butanone (MEK)	100	130		1	127	70-130	07/18/2023 0958
Carbon disulfide	50	48		1	96	70-130	07/18/2023 0958
Carbon tetrachloride	50	46		1	91	70-130	07/18/2023 0958
2-Chloro-1,3-Butadiene (Chloroprene)	50	39		1	78	70-130	07/18/2023 0958
Chlorobenzene	50	47		1	95	70-130	07/18/2023 0958
Chloroethane	50	49		1	97	70-130	07/18/2023 0958
Chloroform	50	43		1	86	70-130	07/18/2023 0958
Chloromethane (Methyl chloride)	50	53		1	107	60-140	07/18/2023 0958
3-Chloropropene (Allyl chloride)	50	48		1	95	70-130	07/18/2023 0958
1,2-Dibromo-3-chloropropane (DBCP)	50	58		1	115	70-130	07/18/2023 0958
Dibromochloromethane	50	56		1	113	70-130	07/18/2023 0958
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	07/18/2023 0958
Dibromomethane (Methylene bromide)	50	48		1	96	70-130	07/18/2023 0958
trans-1,4-Dichloro-2-butene	50	57		1	113	70-130	07/18/2023 0958
1,2-Dichlorobenzene	50	48		1	97	70-130	07/18/2023 0958
1,3-Dichlorobenzene	50	50		1	99	70-130	07/18/2023 0958
1,4-Dichlorobenzene	50	47		1	94	70-130	07/18/2023 0958
Dichlorodifluoromethane	50	49		1	98	60-140	07/18/2023 0958
1,1-Dichloroethane	50	43		1	86	70-130	07/18/2023 0958
1,2-Dichloroethane	50	45		1	89	70-130	07/18/2023 0958
1,1-Dichloroethene	50	48		1	96	70-130	07/18/2023 0958
cis-1,2-Dichloroethene	50	44		1	89	70-130	07/18/2023 0958
trans-1,2-Dichloroethene	50	45		1	89	70-130	07/18/2023 0958
1,2-Dichloropropane	50	46		1	91	70-130	07/18/2023 0958
1,3-Dichloropropane	50	49		1	97	70-130	07/18/2023 0958
2,2-Dichloropropane	50	49		1	97	70-130	07/18/2023 0958
1,1-Dichloropropene	50	44		1	88	70-130	07/18/2023 0958
cis-1,3-Dichloropropene	50	42		1	85	70-130	07/18/2023 0958
trans-1,3-Dichloropropene	50	50		1	101	70-130	07/18/2023 0958
Ethyl methacrylate	50	50		1	101	70-130	07/18/2023 0958
Ethylbenzene	50	50		1	100	70-130	07/18/2023 0958
2-Hexanone	100	110		1	111	70-130	07/18/2023 0958
Isobutyl alcohol	500	470		1	94	60-140	07/18/2023 0958
Methacrylonitrile	250	230		1	92	70-130	07/18/2023 0958
Methyl iodide (Iodomethane)	50	46		1	92	70-130	07/18/2023 0958

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80243-002

Matrix: Aqueous

Batch: 80243

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Methyl methacrylate	50	41		1	83	70-130	07/18/2023 0958
4-Methyl-2-pentanone	100	95		1	95	70-130	07/18/2023 0958
Methylene chloride	50	42		1	84	70-130	07/18/2023 0958
Propionitrile (Ethyl cyanide)	500	470		1	93	70-130	07/18/2023 0958
Styrene	50	53		1	107	70-130	07/18/2023 0958
1,1,1,2-Tetrachloroethane	50	51		1	102	70-130	07/18/2023 0958
1,1,2,2-Tetrachloroethane	50	48		1	97	70-130	07/18/2023 0958
Tetrachloroethene	50	51		1	101	70-130	07/18/2023 0958
Toluene	50	51		1	102	70-130	07/18/2023 0958
1,1,1-Trichloroethane	50	45		1	89	70-130	07/18/2023 0958
1,1,2-Trichloroethane	50	49		1	98	70-130	07/18/2023 0958
Trichloroethene	50	46		1	92	70-130	07/18/2023 0958
Trichlorofluoromethane	50	50		1	99	70-130	07/18/2023 0958
1,2,3-Trichloropropane	50	49		1	99	70-130	07/18/2023 0958
Vinyl acetate	50	52		1	104	60-140	07/18/2023 0958
Vinyl chloride	50	60		1	120	70-130	07/18/2023 0958
Xylenes (total)	100	100		1	102	70-130	07/18/2023 0958
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichloroethane-d4		78	70-130				
Toluene-d8		92	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80341-001

Matrix: Aqueous

Batch: 80341

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	07/19/2023 1121
Acrylonitrile	ND		1	20	ug/L	07/19/2023 1121
Benzene	ND		1	1.0	ug/L	07/19/2023 1121
Bromochloromethane	ND		1	1.0	ug/L	07/19/2023 1121
Bromodichloromethane	ND		1	1.0	ug/L	07/19/2023 1121
Bromoform	ND		1	1.0	ug/L	07/19/2023 1121
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	07/19/2023 1121
2-Butanone (MEK)	ND		1	10	ug/L	07/19/2023 1121
Carbon disulfide	ND		1	1.0	ug/L	07/19/2023 1121
Carbon tetrachloride	ND		1	1.0	ug/L	07/19/2023 1121
Chlorobenzene	ND		1	1.0	ug/L	07/19/2023 1121
Chloroethane	ND		1	2.0	ug/L	07/19/2023 1121
Chloroform	ND		1	1.0	ug/L	07/19/2023 1121
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	07/19/2023 1121
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	07/19/2023 1121
Dibromochloromethane	ND		1	1.0	ug/L	07/19/2023 1121
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	07/19/2023 1121
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	07/19/2023 1121
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	07/19/2023 1121
1,2-Dichlorobenzene	ND		1	1.0	ug/L	07/19/2023 1121
1,4-Dichlorobenzene	ND		1	1.0	ug/L	07/19/2023 1121
Dichlorodifluoromethane	ND		1	2.0	ug/L	07/19/2023 1121
1,1-Dichloroethane	ND		1	1.0	ug/L	07/19/2023 1121
1,2-Dichloroethane	ND		1	1.0	ug/L	07/19/2023 1121
1,1-Dichloroethene	ND		1	1.0	ug/L	07/19/2023 1121
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	07/19/2023 1121
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	07/19/2023 1121
1,2-Dichloropropane	ND		1	1.0	ug/L	07/19/2023 1121
2,2-Dichloropropane	ND		1	1.0	ug/L	07/19/2023 1121
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	07/19/2023 1121
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	07/19/2023 1121
Ethylbenzene	ND		1	1.0	ug/L	07/19/2023 1121
2-Hexanone	ND		1	10	ug/L	07/19/2023 1121
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	07/19/2023 1121
4-Methyl-2-pentanone	ND		1	10	ug/L	07/19/2023 1121
Methylene chloride	ND		1	1.0	ug/L	07/19/2023 1121
Styrene	ND		1	1.0	ug/L	07/19/2023 1121
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	07/19/2023 1121
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	07/19/2023 1121
Tetrachloroethene	ND		1	1.0	ug/L	07/19/2023 1121
Toluene	ND		1	1.0	ug/L	07/19/2023 1121
1,1,1-Trichloroethane	ND		1	1.0	ug/L	07/19/2023 1121
1,1,2-Trichloroethane	ND		1	1.0	ug/L	07/19/2023 1121
Trichloroethene	ND		1	1.0	ug/L	07/19/2023 1121

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80341-001

Matrix: Aqueous

Batch: 80341

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Trichlorofluoromethane	ND		1	1.0	ug/L	07/19/2023 1121
1,2,3-Trichloropropane	ND		1	1.0	ug/L	07/19/2023 1121
Vinyl acetate	ND		1	5.0	ug/L	07/19/2023 1121
Vinyl chloride	ND		1	1.0	ug/L	07/19/2023 1121
Xylenes (total)	ND		1	1.0	ug/L	07/19/2023 1121
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		101	70-130			
1,2-Dichloroethane-d4		100	70-130			
Toluene-d8		107	70-130			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80341-002

Matrix: Aqueous

Batch: 80341

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	82		1	82	60-140	07/19/2023 0944
Acrylonitrile	100	95		1	95	70-130	07/19/2023 0944
Benzene	50	50		1	99	70-130	07/19/2023 0944
Bromochloromethane	50	47		1	95	70-130	07/19/2023 0944
Bromodichloromethane	50	49		1	99	70-130	07/19/2023 0944
Bromoform	50	54		1	109	70-130	07/19/2023 0944
Bromomethane (Methyl bromide)	50	51		1	103	70-130	07/19/2023 0944
2-Butanone (MEK)	100	100		1	101	70-130	07/19/2023 0944
Carbon disulfide	50	46		1	92	70-130	07/19/2023 0944
Carbon tetrachloride	50	47		1	94	70-130	07/19/2023 0944
Chlorobenzene	50	52		1	104	70-130	07/19/2023 0944
Chloroethane	50	51		1	102	70-130	07/19/2023 0944
Chloroform	50	46		1	91	70-130	07/19/2023 0944
Chloromethane (Methyl chloride)	50	47		1	94	60-140	07/19/2023 0944
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	70-130	07/19/2023 0944
Dibromochloromethane	50	53		1	106	70-130	07/19/2023 0944
1,2-Dibromoethane (EDB)	50	52		1	105	70-130	07/19/2023 0944
Dibromomethane (Methylene bromide)	50	50		1	100	70-130	07/19/2023 0944
trans-1,4-Dichloro-2-butene	50	50		1	100	70-130	07/19/2023 0944
1,2-Dichlorobenzene	50	53		1	107	70-130	07/19/2023 0944
1,4-Dichlorobenzene	50	51		1	103	70-130	07/19/2023 0944
Dichlorodifluoromethane	50	43		1	86	60-140	07/19/2023 0944
1,1-Dichloroethane	50	46		1	93	70-130	07/19/2023 0944
1,2-Dichloroethane	50	51		1	102	70-130	07/19/2023 0944
1,1-Dichloroethene	50	47		1	95	70-130	07/19/2023 0944
cis-1,2-Dichloroethene	50	47		1	95	70-130	07/19/2023 0944
trans-1,2-Dichloroethene	50	47		1	94	70-130	07/19/2023 0944
1,2-Dichloropropane	50	49		1	98	70-130	07/19/2023 0944
2,2-Dichloropropane	50	51		1	103	70-130	07/19/2023 0944
cis-1,3-Dichloropropene	50	52		1	104	70-130	07/19/2023 0944
trans-1,3-Dichloropropene	50	54		1	107	70-130	07/19/2023 0944
Ethylbenzene	50	54		1	107	70-130	07/19/2023 0944
2-Hexanone	100	110		1	112	70-130	07/19/2023 0944
Methyl iodide (Iodomethane)	50	47		1	94	70-130	07/19/2023 0944
4-Methyl-2-pentanone	100	100		1	104	70-130	07/19/2023 0944
Methylene chloride	50	48		1	96	70-130	07/19/2023 0944
Styrene	50	50		1	100	70-130	07/19/2023 0944
1,1,1,2-Tetrachloroethane	50	54		1	107	70-130	07/19/2023 0944
1,1,2,2-Tetrachloroethane	50	51		1	102	70-130	07/19/2023 0944
Tetrachloroethene	50	53		1	107	70-130	07/19/2023 0944
Toluene	50	53		1	107	70-130	07/19/2023 0944
1,1,1-Trichloroethane	50	46		1	93	70-130	07/19/2023 0944
1,1,2-Trichloroethane	50	48		1	96	70-130	07/19/2023 0944
Trichloroethene	50	50		1	101	70-130	07/19/2023 0944

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80341-002

Matrix: Aqueous

Batch: 80341

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Trichlorofluoromethane	50	46		1	92	70-130	07/19/2023 0944
1,2,3-Trichloropropane	50	51		1	101	70-130	07/19/2023 0944
Vinyl acetate	50	53		1	105	60-140	07/19/2023 0944
Vinyl chloride	50	51		1	102	70-130	07/19/2023 0944
Xylenes (total)	100	110		1	112	70-130	07/19/2023 0944
Surrogate	Q	% Rec			Acceptance Limit		
Bromofluorobenzene		108			70-130		
1,2-Dichloroethane-d4		100			70-130		
Toluene-d8		107			70-130		

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80341-001

Matrix: Aqueous

Batch: 80341

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	100	ug/L	07/19/2023 1121
Acetonitrile	ND		1	50	ug/L	07/19/2023 1121
Acrolein	ND		1	20	ug/L	07/19/2023 1121
Acrylonitrile	ND		1	50	ug/L	07/19/2023 1121
Benzene	ND		1	2.0	ug/L	07/19/2023 1121
Bromochloromethane	ND		1	10	ug/L	07/19/2023 1121
Bromodichloromethane	ND		1	10	ug/L	07/19/2023 1121
Bromoform	ND		1	10	ug/L	07/19/2023 1121
Bromomethane (Methyl bromide)	ND		1	10	ug/L	07/19/2023 1121
2-Butanone (MEK)	ND		1	100	ug/L	07/19/2023 1121
Carbon disulfide	ND		1	5.0	ug/L	07/19/2023 1121
Carbon tetrachloride	ND		1	2.0	ug/L	07/19/2023 1121
2-Chloro-1,3-Butadiene (Chloroprene)	ND		1	5.0	ug/L	07/19/2023 1121
Chlorobenzene	ND		1	10	ug/L	07/19/2023 1121
Chloroethane	ND		1	2.0	ug/L	07/19/2023 1121
Chloroform	ND		1	5.0	ug/L	07/19/2023 1121
Chloromethane (Methyl chloride)	ND		1	10	ug/L	07/19/2023 1121
3-Chloropropene (Allyl chloride)	ND		1	5.0	ug/L	07/19/2023 1121
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	25	ug/L	07/19/2023 1121
Dibromochloromethane	ND		1	10	ug/L	07/19/2023 1121
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/L	07/19/2023 1121
Dibromomethane (Methylene bromide)	ND		1	10	ug/L	07/19/2023 1121
trans-1,4-Dichloro-2-butene	ND		1	100	ug/L	07/19/2023 1121
1,2-Dichlorobenzene	ND		1	10	ug/L	07/19/2023 1121
1,3-Dichlorobenzene	ND		1	1.0	ug/L	07/19/2023 1121
1,4-Dichlorobenzene	ND		1	10	ug/L	07/19/2023 1121
Dichlorodifluoromethane	ND		1	10	ug/L	07/19/2023 1121
1,1-Dichloroethane	ND		1	2.0	ug/L	07/19/2023 1121
1,2-Dichloroethane	ND		1	2.0	ug/L	07/19/2023 1121
1,1-Dichloroethene	ND		1	2.0	ug/L	07/19/2023 1121
cis-1,2-Dichloroethene	ND		1	2.0	ug/L	07/19/2023 1121
trans-1,2-Dichloroethene	ND		1	2.0	ug/L	07/19/2023 1121
1,2-Dichloropropane	ND		1	2.0	ug/L	07/19/2023 1121
1,3-Dichloropropane	ND		1	1.0	ug/L	07/19/2023 1121
2,2-Dichloropropane	ND		1	10	ug/L	07/19/2023 1121
1,1-Dichloropropene	ND		1	2.0	ug/L	07/19/2023 1121
cis-1,3-Dichloropropene	ND		1	2.0	ug/L	07/19/2023 1121
trans-1,3-Dichloropropene	ND		1	2.0	ug/L	07/19/2023 1121
Ethyl methacrylate	ND		1	5.0	ug/L	07/19/2023 1121
Ethylbenzene	ND		1	2.0	ug/L	07/19/2023 1121
2-Hexanone	ND		1	50	ug/L	07/19/2023 1121
Isobutyl alcohol	ND		1	50	ug/L	07/19/2023 1121
Methacrylonitrile	ND		1	5.0	ug/L	07/19/2023 1121
Methyl iodide (Iodomethane)	ND		1	100	ug/L	07/19/2023 1121

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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P = The RPD between two GC columns exceeds 40%

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80341-001

Matrix: Aqueous

Batch: 80341

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Methyl methacrylate	ND		1	5.0	ug/L	07/19/2023 1121
4-Methyl-2-pentanone	ND		1	50	ug/L	07/19/2023 1121
Methylene chloride	ND		1	5.0	ug/L	07/19/2023 1121
Propionitrile (Ethyl cyanide)	ND		1	20	ug/L	07/19/2023 1121
Styrene	ND		1	10	ug/L	07/19/2023 1121
1,1,1,2-Tetrachloroethane	ND		1	2.0	ug/L	07/19/2023 1121
1,1,2,2-Tetrachloroethane	ND		1	2.0	ug/L	07/19/2023 1121
Tetrachloroethene	ND		1	2.0	ug/L	07/19/2023 1121
Toluene	ND		1	2.0	ug/L	07/19/2023 1121
1,1,1-Trichloroethane	ND		1	2.0	ug/L	07/19/2023 1121
1,1,2-Trichloroethane	ND		1	2.0	ug/L	07/19/2023 1121
Trichloroethene	ND		1	2.0	ug/L	07/19/2023 1121
Trichlorofluoromethane	ND		1	10	ug/L	07/19/2023 1121
1,2,3-Trichloropropane	ND		1	10	ug/L	07/19/2023 1121
Vinyl acetate	ND		1	100	ug/L	07/19/2023 1121
Vinyl chloride	ND		1	2.0	ug/L	07/19/2023 1121
Xylenes (total)	ND		1	5.0	ug/L	07/19/2023 1121

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80341-002

Matrix: Aqueous

Batch: 80341

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	82		1	82	60-140	07/19/2023 0944
Acetonitrile	500	530		1	107	60-140	07/19/2023 0944
Acrolein	500	540		1	107	60-140	07/19/2023 0944
Acrylonitrile	100	95		1	95	70-130	07/19/2023 0944
Benzene	50	50		1	99	70-130	07/19/2023 0944
Bromochloromethane	50	47		1	95	70-130	07/19/2023 0944
Bromodichloromethane	50	49		1	99	70-130	07/19/2023 0944
Bromoform	50	54		1	109	70-130	07/19/2023 0944
Bromomethane (Methyl bromide)	50	51		1	103	70-130	07/19/2023 0944
2-Butanone (MEK)	100	100		1	101	70-130	07/19/2023 0944
Carbon disulfide	50	46		1	92	70-130	07/19/2023 0944
Carbon tetrachloride	50	47		1	94	70-130	07/19/2023 0944
2-Chloro-1,3-Butadiene (Chloroprene)	50	49		1	97	70-130	07/19/2023 0944
Chlorobenzene	50	52		1	104	70-130	07/19/2023 0944
Chloroethane	50	51		1	102	70-130	07/19/2023 0944
Chloroform	50	46		1	91	70-130	07/19/2023 0944
Chloromethane (Methyl chloride)	50	47		1	94	60-140	07/19/2023 0944
3-Chloropropene (Allyl chloride)	50	49		1	98	70-130	07/19/2023 0944
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	70-130	07/19/2023 0944
Dibromochloromethane	50	53		1	106	70-130	07/19/2023 0944
1,2-Dibromoethane (EDB)	50	52		1	105	70-130	07/19/2023 0944
Dibromomethane (Methylene bromide)	50	50		1	100	70-130	07/19/2023 0944
trans-1,4-Dichloro-2-butene	50	50		1	100	70-130	07/19/2023 0944
1,2-Dichlorobenzene	50	53		1	107	70-130	07/19/2023 0944
1,3-Dichlorobenzene	50	53		1	106	70-130	07/19/2023 0944
1,4-Dichlorobenzene	50	51		1	103	70-130	07/19/2023 0944
Dichlorodifluoromethane	50	43		1	86	60-140	07/19/2023 0944
1,1-Dichloroethane	50	46		1	93	70-130	07/19/2023 0944
1,2-Dichloroethane	50	51		1	102	70-130	07/19/2023 0944
1,1-Dichloroethene	50	47		1	95	70-130	07/19/2023 0944
cis-1,2-Dichloroethene	50	47		1	95	70-130	07/19/2023 0944
trans-1,2-Dichloroethene	50	47		1	94	70-130	07/19/2023 0944
1,2-Dichloropropane	50	49		1	98	70-130	07/19/2023 0944
1,3-Dichloropropane	50	52		1	103	70-130	07/19/2023 0944
2,2-Dichloropropane	50	51		1	103	70-130	07/19/2023 0944
1,1-Dichloropropene	50	47		1	94	70-130	07/19/2023 0944
cis-1,3-Dichloropropene	50	52		1	104	70-130	07/19/2023 0944
trans-1,3-Dichloropropene	50	54		1	107	70-130	07/19/2023 0944
Ethyl methacrylate	50	49		1	99	70-130	07/19/2023 0944
Ethylbenzene	50	54		1	107	70-130	07/19/2023 0944
2-Hexanone	100	110		1	112	70-130	07/19/2023 0944
Isobutyl alcohol	500	580		1	115	60-140	07/19/2023 0944
Methacrylonitrile	250	240		1	95	70-130	07/19/2023 0944
Methyl iodide (Iodomethane)	50	47		1	94	70-130	07/19/2023 0944

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80341-002

Matrix: Aqueous

Batch: 80341

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Methyl methacrylate	50	51		1	102	70-130	07/19/2023 0944
4-Methyl-2-pentanone	100	100		1	104	70-130	07/19/2023 0944
Methylene chloride	50	48		1	96	70-130	07/19/2023 0944
Propionitrile (Ethyl cyanide)	500	480		1	96	70-130	07/19/2023 0944
Styrene	50	50		1	100	70-130	07/19/2023 0944
1,1,1,2-Tetrachloroethane	50	54		1	107	70-130	07/19/2023 0944
1,1,2,2-Tetrachloroethane	50	51		1	102	70-130	07/19/2023 0944
Tetrachloroethene	50	53		1	107	70-130	07/19/2023 0944
Toluene	50	53		1	107	70-130	07/19/2023 0944
1,1,1-Trichloroethane	50	46		1	93	70-130	07/19/2023 0944
1,1,2-Trichloroethane	50	48		1	96	70-130	07/19/2023 0944
Trichloroethene	50	50		1	101	70-130	07/19/2023 0944
Trichlorofluoromethane	50	46		1	92	70-130	07/19/2023 0944
1,2,3-Trichloropropane	50	51		1	101	70-130	07/19/2023 0944
Vinyl acetate	50	53		1	105	60-140	07/19/2023 0944
Vinyl chloride	50	51		1	102	70-130	07/19/2023 0944
Xylenes (total)	100	110		1	112	70-130	07/19/2023 0944
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		108	70-130				
1,2-Dichloroethane-d4		100	70-130				
Toluene-d8		107	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80381-001

Matrix: Aqueous

Batch: 80381

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	07/19/2023 1110
Acrylonitrile	ND		1	20	ug/L	07/19/2023 1110
Benzene	ND		1	1.0	ug/L	07/19/2023 1110
Bromochloromethane	ND		1	1.0	ug/L	07/19/2023 1110
Bromodichloromethane	ND		1	1.0	ug/L	07/19/2023 1110
Bromoform	ND		1	1.0	ug/L	07/19/2023 1110
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	07/19/2023 1110
2-Butanone (MEK)	ND		1	10	ug/L	07/19/2023 1110
Carbon disulfide	ND		1	1.0	ug/L	07/19/2023 1110
Carbon tetrachloride	ND		1	1.0	ug/L	07/19/2023 1110
Chlorobenzene	ND		1	1.0	ug/L	07/19/2023 1110
Chloroethane	ND		1	2.0	ug/L	07/19/2023 1110
Chloroform	ND		1	1.0	ug/L	07/19/2023 1110
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	07/19/2023 1110
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	07/19/2023 1110
Dibromochloromethane	ND		1	1.0	ug/L	07/19/2023 1110
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	07/19/2023 1110
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	07/19/2023 1110
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	07/19/2023 1110
1,2-Dichlorobenzene	ND		1	1.0	ug/L	07/19/2023 1110
1,4-Dichlorobenzene	ND		1	1.0	ug/L	07/19/2023 1110
Dichlorodifluoromethane	ND		1	2.0	ug/L	07/19/2023 1110
1,1-Dichloroethane	ND		1	1.0	ug/L	07/19/2023 1110
1,2-Dichloroethane	ND		1	1.0	ug/L	07/19/2023 1110
1,1-Dichloroethene	ND		1	1.0	ug/L	07/19/2023 1110
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	07/19/2023 1110
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	07/19/2023 1110
1,2-Dichloropropane	ND		1	1.0	ug/L	07/19/2023 1110
2,2-Dichloropropane	ND		1	1.0	ug/L	07/19/2023 1110
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	07/19/2023 1110
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	07/19/2023 1110
Ethylbenzene	ND		1	1.0	ug/L	07/19/2023 1110
2-Hexanone	ND		1	10	ug/L	07/19/2023 1110
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	07/19/2023 1110
4-Methyl-2-pentanone	ND		1	10	ug/L	07/19/2023 1110
Methylene chloride	ND		1	1.0	ug/L	07/19/2023 1110
Styrene	ND		1	1.0	ug/L	07/19/2023 1110
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	07/19/2023 1110
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	07/19/2023 1110
Tetrachloroethene	ND		1	1.0	ug/L	07/19/2023 1110
Toluene	ND		1	1.0	ug/L	07/19/2023 1110
1,1,1-Trichloroethane	ND		1	1.0	ug/L	07/19/2023 1110
1,1,2-Trichloroethane	ND		1	1.0	ug/L	07/19/2023 1110
Trichloroethene	ND		1	1.0	ug/L	07/19/2023 1110

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80381-001

Matrix: Aqueous

Batch: 80381

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Trichlorofluoromethane	ND		1	1.0	ug/L	07/19/2023 1110
1,2,3-Trichloropropane	ND		1	1.0	ug/L	07/19/2023 1110
Vinyl acetate	ND		1	5.0	ug/L	07/19/2023 1110
Vinyl chloride	ND		1	1.0	ug/L	07/19/2023 1110
Xylenes (total)	ND		1	1.0	ug/L	07/19/2023 1110

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		116	70-130
1,2-Dichloroethane-d4		111	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80381-002

Matrix: Aqueous

Batch: 80381

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	110		1	111	60-140	07/19/2023 1020
Acrylonitrile	100	110		1	108	70-130	07/19/2023 1020
Benzene	50	51		1	102	70-130	07/19/2023 1020
Bromochloromethane	50	53		1	106	70-130	07/19/2023 1020
Bromodichloromethane	50	52		1	103	70-130	07/19/2023 1020
Bromoform	50	54		1	108	70-130	07/19/2023 1020
Bromomethane (Methyl bromide)	50	52		1	104	70-130	07/19/2023 1020
2-Butanone (MEK)	100	110		1	111	70-130	07/19/2023 1020
Carbon disulfide	50	55		1	111	70-130	07/19/2023 1020
Carbon tetrachloride	50	52		1	104	70-130	07/19/2023 1020
Chlorobenzene	50	49		1	99	70-130	07/19/2023 1020
Chloroethane	50	60		1	121	70-130	07/19/2023 1020
Chloroform	50	54		1	108	70-130	07/19/2023 1020
Chloromethane (Methyl chloride)	50	58		1	116	60-140	07/19/2023 1020
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	105	70-130	07/19/2023 1020
Dibromochloromethane	50	53		1	105	70-130	07/19/2023 1020
1,2-Dibromoethane (EDB)	50	50		1	99	70-130	07/19/2023 1020
Dibromomethane (Methylene bromide)	50	52		1	103	70-130	07/19/2023 1020
trans-1,4-Dichloro-2-butene	50	51		1	101	70-130	07/19/2023 1020
1,2-Dichlorobenzene	50	49		1	98	70-130	07/19/2023 1020
1,4-Dichlorobenzene	50	49		1	98	70-130	07/19/2023 1020
Dichlorodifluoromethane	50	49		1	98	60-140	07/19/2023 1020
1,1-Dichloroethane	50	56		1	111	70-130	07/19/2023 1020
1,2-Dichloroethane	50	51		1	102	70-130	07/19/2023 1020
1,1-Dichloroethene	50	52		1	104	70-130	07/19/2023 1020
cis-1,2-Dichloroethene	50	53		1	105	70-130	07/19/2023 1020
trans-1,2-Dichloroethene	50	53		1	105	70-130	07/19/2023 1020
1,2-Dichloropropane	50	53		1	106	70-130	07/19/2023 1020
2,2-Dichloropropane	50	58		1	116	70-130	07/19/2023 1020
cis-1,3-Dichloropropene	50	54		1	108	70-130	07/19/2023 1020
trans-1,3-Dichloropropene	50	47		1	93	70-130	07/19/2023 1020
Ethylbenzene	50	52		1	104	70-130	07/19/2023 1020
2-Hexanone	100	110		1	114	70-130	07/19/2023 1020
Methyl iodide (Iodomethane)	50	53		1	106	70-130	07/19/2023 1020
4-Methyl-2-pentanone	100	110		1	111	70-130	07/19/2023 1020
Methylene chloride	50	54		1	108	70-130	07/19/2023 1020
Styrene	50	52		1	104	70-130	07/19/2023 1020
1,1,1,2-Tetrachloroethane	50	52		1	103	70-130	07/19/2023 1020
1,1,2,2-Tetrachloroethane	50	52		1	103	70-130	07/19/2023 1020
Tetrachloroethene	50	48		1	97	70-130	07/19/2023 1020
Toluene	50	50		1	101	70-130	07/19/2023 1020
1,1,1-Trichloroethane	50	54		1	109	70-130	07/19/2023 1020
1,1,2-Trichloroethane	50	50		1	99	70-130	07/19/2023 1020
Trichloroethene	50	49		1	99	70-130	07/19/2023 1020

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80381-002

Matrix: Aqueous

Batch: 80381

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Trichlorofluoromethane	50	51		1	102	70-130	07/19/2023 1020
1,2,3-Trichloropropane	50	50		1	100	70-130	07/19/2023 1020
Vinyl acetate	50	49		1	99	60-140	07/19/2023 1020
Vinyl chloride	50	57		1	113	70-130	07/19/2023 1020
Xylenes (total)	100	100		1	103	70-130	07/19/2023 1020
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	70-130				
1,2-Dichloroethane-d4		102	70-130				
Toluene-d8		99	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80381-001

Matrix: Aqueous

Batch: 80381

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	100	ug/L	07/19/2023 1110
Acetonitrile	ND		1	50	ug/L	07/19/2023 1110
Acrolein	ND		1	20	ug/L	07/19/2023 1110
Acrylonitrile	ND		1	50	ug/L	07/19/2023 1110
Benzene	ND		1	2.0	ug/L	07/19/2023 1110
Bromochloromethane	ND		1	10	ug/L	07/19/2023 1110
Bromodichloromethane	ND		1	10	ug/L	07/19/2023 1110
Bromoform	ND		1	10	ug/L	07/19/2023 1110
Bromomethane (Methyl bromide)	ND		1	10	ug/L	07/19/2023 1110
2-Butanone (MEK)	ND		1	100	ug/L	07/19/2023 1110
Carbon disulfide	ND		1	5.0	ug/L	07/19/2023 1110
Carbon tetrachloride	ND		1	2.0	ug/L	07/19/2023 1110
2-Chloro-1,3-Butadiene (Chloroprene)	ND		1	5.0	ug/L	07/19/2023 1110
Chlorobenzene	ND		1	10	ug/L	07/19/2023 1110
Chloroethane	ND		1	2.0	ug/L	07/19/2023 1110
Chloroform	ND		1	5.0	ug/L	07/19/2023 1110
Chloromethane (Methyl chloride)	ND		1	10	ug/L	07/19/2023 1110
3-Chloropropene (Allyl chloride)	ND		1	5.0	ug/L	07/19/2023 1110
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	25	ug/L	07/19/2023 1110
Dibromochloromethane	ND		1	10	ug/L	07/19/2023 1110
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/L	07/19/2023 1110
Dibromomethane (Methylene bromide)	ND		1	10	ug/L	07/19/2023 1110
trans-1,4-Dichloro-2-butene	ND		1	100	ug/L	07/19/2023 1110
1,2-Dichlorobenzene	ND		1	10	ug/L	07/19/2023 1110
1,3-Dichlorobenzene	ND		1	1.0	ug/L	07/19/2023 1110
1,4-Dichlorobenzene	ND		1	10	ug/L	07/19/2023 1110
Dichlorodifluoromethane	ND		1	10	ug/L	07/19/2023 1110
1,1-Dichloroethane	ND		1	2.0	ug/L	07/19/2023 1110
1,2-Dichloroethane	ND		1	2.0	ug/L	07/19/2023 1110
1,1-Dichloroethene	ND		1	2.0	ug/L	07/19/2023 1110
cis-1,2-Dichloroethene	ND		1	2.0	ug/L	07/19/2023 1110
trans-1,2-Dichloroethene	ND		1	2.0	ug/L	07/19/2023 1110
1,2-Dichloropropane	ND		1	2.0	ug/L	07/19/2023 1110
1,3-Dichloropropane	ND		1	1.0	ug/L	07/19/2023 1110
2,2-Dichloropropane	ND		1	10	ug/L	07/19/2023 1110
1,1-Dichloropropene	ND		1	2.0	ug/L	07/19/2023 1110
cis-1,3-Dichloropropene	ND		1	2.0	ug/L	07/19/2023 1110
trans-1,3-Dichloropropene	ND		1	2.0	ug/L	07/19/2023 1110
Ethyl methacrylate	ND		1	5.0	ug/L	07/19/2023 1110
Ethylbenzene	ND		1	2.0	ug/L	07/19/2023 1110
2-Hexanone	ND		1	50	ug/L	07/19/2023 1110
Isobutyl alcohol	ND		1	50	ug/L	07/19/2023 1110
Methacrylonitrile	ND		1	5.0	ug/L	07/19/2023 1110
Methyl iodide (Iodomethane)	ND		1	100	ug/L	07/19/2023 1110

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80381-001

Matrix: Aqueous

Batch: 80381

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Methyl methacrylate	ND		1	5.0	ug/L	07/19/2023 1110
4-Methyl-2-pentanone	ND		1	50	ug/L	07/19/2023 1110
Methylene chloride	ND		1	5.0	ug/L	07/19/2023 1110
Propionitrile (Ethyl cyanide)	ND		1	20	ug/L	07/19/2023 1110
Styrene	ND		1	10	ug/L	07/19/2023 1110
1,1,1,2-Tetrachloroethane	ND		1	2.0	ug/L	07/19/2023 1110
1,1,2,2-Tetrachloroethane	ND		1	2.0	ug/L	07/19/2023 1110
Tetrachloroethene	ND		1	2.0	ug/L	07/19/2023 1110
Toluene	ND		1	2.0	ug/L	07/19/2023 1110
1,1,1-Trichloroethane	ND		1	2.0	ug/L	07/19/2023 1110
1,1,2-Trichloroethane	ND		1	2.0	ug/L	07/19/2023 1110
Trichloroethene	ND		1	2.0	ug/L	07/19/2023 1110
Trichlorofluoromethane	ND		1	10	ug/L	07/19/2023 1110
1,2,3-Trichloropropane	ND		1	10	ug/L	07/19/2023 1110
Vinyl acetate	ND		1	100	ug/L	07/19/2023 1110
Vinyl chloride	ND		1	2.0	ug/L	07/19/2023 1110
Xylenes (total)	ND		1	5.0	ug/L	07/19/2023 1110
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		116	70-130			
1,2-Dichloroethane-d4		111	70-130			
Toluene-d8		110	70-130			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80381-002

Matrix: Aqueous

Batch: 80381

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	110		1	111	60-140	07/19/2023 1020
Acetonitrile	500	580		1	115	60-140	07/19/2023 1020
Acrolein	500	580		1	116	60-140	07/19/2023 1020
Acrylonitrile	100	110		1	108	70-130	07/19/2023 1020
Benzene	50	51		1	102	70-130	07/19/2023 1020
Bromochloromethane	50	53		1	106	70-130	07/19/2023 1020
Bromodichloromethane	50	52		1	103	70-130	07/19/2023 1020
Bromoform	50	54		1	108	70-130	07/19/2023 1020
Bromomethane (Methyl bromide)	50	52		1	104	70-130	07/19/2023 1020
2-Butanone (MEK)	100	110		1	111	70-130	07/19/2023 1020
Carbon disulfide	50	55		1	111	70-130	07/19/2023 1020
Carbon tetrachloride	50	52		1	104	70-130	07/19/2023 1020
2-Chloro-1,3-Butadiene (Chloroprene)	50	55		1	109	70-130	07/19/2023 1020
Chlorobenzene	50	49		1	99	70-130	07/19/2023 1020
Chloroethane	50	60		1	121	70-130	07/19/2023 1020
Chloroform	50	54		1	108	70-130	07/19/2023 1020
Chloromethane (Methyl chloride)	50	58		1	116	60-140	07/19/2023 1020
3-Chloropropene (Allyl chloride)	50	56		1	113	70-130	07/19/2023 1020
1,2-Dibromo-3-chloropropane (DBCP)	50	52		1	105	70-130	07/19/2023 1020
Dibromochloromethane	50	53		1	105	70-130	07/19/2023 1020
1,2-Dibromoethane (EDB)	50	50		1	99	70-130	07/19/2023 1020
Dibromomethane (Methylene bromide)	50	52		1	103	70-130	07/19/2023 1020
trans-1,4-Dichloro-2-butene	50	51		1	101	70-130	07/19/2023 1020
1,2-Dichlorobenzene	50	49		1	98	70-130	07/19/2023 1020
1,3-Dichlorobenzene	50	49		1	97	70-130	07/19/2023 1020
1,4-Dichlorobenzene	50	49		1	98	70-130	07/19/2023 1020
Dichlorodifluoromethane	50	49		1	98	60-140	07/19/2023 1020
1,1-Dichloroethane	50	56		1	111	70-130	07/19/2023 1020
1,2-Dichloroethane	50	51		1	102	70-130	07/19/2023 1020
1,1-Dichloroethene	50	52		1	104	70-130	07/19/2023 1020
cis-1,2-Dichloroethene	50	53		1	105	70-130	07/19/2023 1020
trans-1,2-Dichloroethene	50	53		1	105	70-130	07/19/2023 1020
1,2-Dichloropropane	50	53		1	106	70-130	07/19/2023 1020
1,3-Dichloropropane	50	50		1	101	70-130	07/19/2023 1020
2,2-Dichloropropane	50	58		1	116	70-130	07/19/2023 1020
1,1-Dichloropropene	50	52		1	103	70-130	07/19/2023 1020
cis-1,3-Dichloropropene	50	54		1	108	70-130	07/19/2023 1020
trans-1,3-Dichloropropene	50	47		1	93	70-130	07/19/2023 1020
Ethyl methacrylate	50	47		1	94	70-130	07/19/2023 1020
Ethylbenzene	50	52		1	104	70-130	07/19/2023 1020
2-Hexanone	100	110		1	114	70-130	07/19/2023 1020
Isobutyl alcohol	500	600		1	120	60-140	07/19/2023 1020
Methacrylonitrile	250	270		1	107	70-130	07/19/2023 1020
Methyl iodide (Iodomethane)	50	53		1	106	70-130	07/19/2023 1020

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80381-002

Matrix: Aqueous

Batch: 80381

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Methyl methacrylate	50	51		1	102	70-130	07/19/2023 1020
4-Methyl-2-pentanone	100	110		1	111	70-130	07/19/2023 1020
Methylene chloride	50	54		1	108	70-130	07/19/2023 1020
Propionitrile (Ethyl cyanide)	500	580		1	117	70-130	07/19/2023 1020
Styrene	50	52		1	104	70-130	07/19/2023 1020
1,1,1,2-Tetrachloroethane	50	52		1	103	70-130	07/19/2023 1020
1,1,2,2-Tetrachloroethane	50	52		1	103	70-130	07/19/2023 1020
Tetrachloroethene	50	48		1	97	70-130	07/19/2023 1020
Toluene	50	50		1	101	70-130	07/19/2023 1020
1,1,1-Trichloroethane	50	54		1	109	70-130	07/19/2023 1020
1,1,2-Trichloroethane	50	50		1	99	70-130	07/19/2023 1020
Trichloroethene	50	49		1	99	70-130	07/19/2023 1020
Trichlorofluoromethane	50	51		1	102	70-130	07/19/2023 1020
1,2,3-Trichloropropane	50	50		1	100	70-130	07/19/2023 1020
Vinyl acetate	50	49		1	99	60-140	07/19/2023 1020
Vinyl chloride	50	57		1	113	70-130	07/19/2023 1020
Xylenes (total)	100	100		1	103	70-130	07/19/2023 1020
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		99	70-130				
1,2-Dichloroethane-d4		102	70-130				
Toluene-d8		99	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80462-001

Matrix: Aqueous

Batch: 80462

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	07/20/2023 1106
Acrylonitrile	ND		1	20	ug/L	07/20/2023 1106
Benzene	ND		1	1.0	ug/L	07/20/2023 1106
Bromochloromethane	ND		1	1.0	ug/L	07/20/2023 1106
Bromodichloromethane	ND		1	1.0	ug/L	07/20/2023 1106
Bromoform	ND		1	1.0	ug/L	07/20/2023 1106
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	07/20/2023 1106
2-Butanone (MEK)	ND		1	10	ug/L	07/20/2023 1106
Carbon disulfide	ND		1	1.0	ug/L	07/20/2023 1106
Carbon tetrachloride	ND		1	1.0	ug/L	07/20/2023 1106
Chlorobenzene	ND		1	1.0	ug/L	07/20/2023 1106
Chloroethane	ND		1	2.0	ug/L	07/20/2023 1106
Chloroform	ND		1	1.0	ug/L	07/20/2023 1106
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	07/20/2023 1106
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	07/20/2023 1106
Dibromochloromethane	ND		1	1.0	ug/L	07/20/2023 1106
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	07/20/2023 1106
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	07/20/2023 1106
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	07/20/2023 1106
1,2-Dichlorobenzene	ND		1	1.0	ug/L	07/20/2023 1106
1,4-Dichlorobenzene	ND		1	1.0	ug/L	07/20/2023 1106
Dichlorodifluoromethane	ND		1	2.0	ug/L	07/20/2023 1106
1,1-Dichloroethane	ND		1	1.0	ug/L	07/20/2023 1106
1,2-Dichloroethane	ND		1	1.0	ug/L	07/20/2023 1106
1,1-Dichloroethene	ND		1	1.0	ug/L	07/20/2023 1106
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	07/20/2023 1106
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	07/20/2023 1106
1,2-Dichloropropane	ND		1	1.0	ug/L	07/20/2023 1106
2,2-Dichloropropane	ND		1	1.0	ug/L	07/20/2023 1106
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	07/20/2023 1106
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	07/20/2023 1106
Ethylbenzene	ND		1	1.0	ug/L	07/20/2023 1106
2-Hexanone	ND		1	10	ug/L	07/20/2023 1106
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	07/20/2023 1106
4-Methyl-2-pentanone	ND		1	10	ug/L	07/20/2023 1106
Methylene chloride	ND		1	1.0	ug/L	07/20/2023 1106
Styrene	ND		1	1.0	ug/L	07/20/2023 1106
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	07/20/2023 1106
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	07/20/2023 1106
Tetrachloroethene	ND		1	1.0	ug/L	07/20/2023 1106
Toluene	ND		1	1.0	ug/L	07/20/2023 1106
1,1,1-Trichloroethane	ND		1	1.0	ug/L	07/20/2023 1106
1,1,2-Trichloroethane	ND		1	1.0	ug/L	07/20/2023 1106
Trichloroethene	ND		1	1.0	ug/L	07/20/2023 1106

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80462-001

Matrix: Aqueous

Batch: 80462

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Trichlorofluoromethane	ND		1	1.0	ug/L	07/20/2023 1106
1,2,3-Trichloropropane	ND		1	1.0	ug/L	07/20/2023 1106
Vinyl acetate	ND		1	5.0	ug/L	07/20/2023 1106
Vinyl chloride	ND		1	1.0	ug/L	07/20/2023 1106
Xylenes (total)	ND		1	1.0	ug/L	07/20/2023 1106
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		105	70-130			
1,2-Dichloroethane-d4		101	70-130			
Toluene-d8		109	70-130			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80462-002

Matrix: Aqueous

Batch: 80462

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	80		1	80	60-140	07/20/2023 0850
Acrylonitrile	100	85		1	85	70-130	07/20/2023 0850
Benzene	50	46		1	92	70-130	07/20/2023 0850
Bromochloromethane	50	46		1	91	70-130	07/20/2023 0850
Bromodichloromethane	50	46		1	92	70-130	07/20/2023 0850
Bromoform	50	49		1	98	70-130	07/20/2023 0850
Bromomethane (Methyl bromide)	50	55		1	111	70-130	07/20/2023 0850
2-Butanone (MEK)	100	95		1	95	70-130	07/20/2023 0850
Carbon disulfide	50	41		1	81	70-130	07/20/2023 0850
Carbon tetrachloride	50	44		1	87	70-130	07/20/2023 0850
Chlorobenzene	50	48		1	96	70-130	07/20/2023 0850
Chloroethane	50	52		1	104	70-130	07/20/2023 0850
Chloroform	50	44		1	88	70-130	07/20/2023 0850
Chloromethane (Methyl chloride)	50	52		1	104	60-140	07/20/2023 0850
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	70-130	07/20/2023 0850
Dibromochloromethane	50	49		1	97	70-130	07/20/2023 0850
1,2-Dibromoethane (EDB)	50	49		1	98	70-130	07/20/2023 0850
Dibromomethane (Methylene bromide)	50	47		1	93	70-130	07/20/2023 0850
trans-1,4-Dichloro-2-butene	50	41		1	82	70-130	07/20/2023 0850
1,2-Dichlorobenzene	50	50		1	100	70-130	07/20/2023 0850
1,4-Dichlorobenzene	50	49		1	98	70-130	07/20/2023 0850
Dichlorodifluoromethane	50	54		1	108	60-140	07/20/2023 0850
1,1-Dichloroethane	50	44		1	87	70-130	07/20/2023 0850
1,2-Dichloroethane	50	48		1	95	70-130	07/20/2023 0850
1,1-Dichloroethene	50	45		1	89	70-130	07/20/2023 0850
cis-1,2-Dichloroethene	50	45		1	91	70-130	07/20/2023 0850
trans-1,2-Dichloroethene	50	44		1	88	70-130	07/20/2023 0850
1,2-Dichloropropane	50	45		1	91	70-130	07/20/2023 0850
2,2-Dichloropropane	50	48		1	95	70-130	07/20/2023 0850
cis-1,3-Dichloropropene	50	48		1	96	70-130	07/20/2023 0850
trans-1,3-Dichloropropene	50	50		1	100	70-130	07/20/2023 0850
Ethylbenzene	50	50		1	99	70-130	07/20/2023 0850
2-Hexanone	100	110		1	106	70-130	07/20/2023 0850
Methyl iodide (Iodomethane)	50	44		1	89	70-130	07/20/2023 0850
4-Methyl-2-pentanone	100	96		1	96	70-130	07/20/2023 0850
Methylene chloride	50	45		1	90	70-130	07/20/2023 0850
Styrene	50	47		1	94	70-130	07/20/2023 0850
1,1,1,2-Tetrachloroethane	50	50		1	99	70-130	07/20/2023 0850
1,1,2,2-Tetrachloroethane	50	49		1	98	70-130	07/20/2023 0850
Tetrachloroethene	50	49		1	99	70-130	07/20/2023 0850
Toluene	50	50		1	99	70-130	07/20/2023 0850
1,1,1-Trichloroethane	50	44		1	88	70-130	07/20/2023 0850
1,1,2-Trichloroethane	50	45		1	91	70-130	07/20/2023 0850
Trichloroethene	50	47		1	94	70-130	07/20/2023 0850

LOQ = Limit of Quantitation

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P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80462-002

Matrix: Aqueous

Batch: 80462

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Trichlorofluoromethane	50	49		1	98	70-130	07/20/2023 0850
1,2,3-Trichloropropane	50	48		1	96	70-130	07/20/2023 0850
Vinyl acetate	50	50		1	101	60-140	07/20/2023 0850
Vinyl chloride	50	56		1	113	70-130	07/20/2023 0850
Xylenes (total)	100	100		1	104	70-130	07/20/2023 0850
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		103	70-130				
1,2-Dichloroethane-d4		96	70-130				
Toluene-d8		101	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80565-001

Matrix: Aqueous

Batch: 80565

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	07/21/2023 1009
Acrylonitrile	ND		1	20	ug/L	07/21/2023 1009
Benzene	ND		1	1.0	ug/L	07/21/2023 1009
Bromochloromethane	ND		1	1.0	ug/L	07/21/2023 1009
Bromodichloromethane	ND		1	1.0	ug/L	07/21/2023 1009
Bromoform	ND		1	1.0	ug/L	07/21/2023 1009
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	07/21/2023 1009
2-Butanone (MEK)	ND		1	10	ug/L	07/21/2023 1009
Carbon disulfide	ND		1	1.0	ug/L	07/21/2023 1009
Carbon tetrachloride	ND		1	1.0	ug/L	07/21/2023 1009
Chlorobenzene	ND		1	1.0	ug/L	07/21/2023 1009
Chloroethane	ND		1	2.0	ug/L	07/21/2023 1009
Chloroform	ND		1	1.0	ug/L	07/21/2023 1009
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	07/21/2023 1009
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	07/21/2023 1009
Dibromochloromethane	ND		1	1.0	ug/L	07/21/2023 1009
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	07/21/2023 1009
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	07/21/2023 1009
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	07/21/2023 1009
1,2-Dichlorobenzene	ND		1	1.0	ug/L	07/21/2023 1009
1,4-Dichlorobenzene	ND		1	1.0	ug/L	07/21/2023 1009
Dichlorodifluoromethane	ND		1	2.0	ug/L	07/21/2023 1009
1,1-Dichloroethane	ND		1	1.0	ug/L	07/21/2023 1009
1,2-Dichloroethane	ND		1	1.0	ug/L	07/21/2023 1009
1,1-Dichloroethene	ND		1	1.0	ug/L	07/21/2023 1009
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	07/21/2023 1009
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	07/21/2023 1009
1,2-Dichloropropane	ND		1	1.0	ug/L	07/21/2023 1009
2,2-Dichloropropane	ND		1	1.0	ug/L	07/21/2023 1009
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	07/21/2023 1009
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	07/21/2023 1009
Ethylbenzene	ND		1	1.0	ug/L	07/21/2023 1009
2-Hexanone	ND		1	10	ug/L	07/21/2023 1009
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	07/21/2023 1009
4-Methyl-2-pentanone	ND		1	10	ug/L	07/21/2023 1009
Methylene chloride	ND		1	1.0	ug/L	07/21/2023 1009
Styrene	ND		1	1.0	ug/L	07/21/2023 1009
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	07/21/2023 1009
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	07/21/2023 1009
Tetrachloroethene	ND		1	1.0	ug/L	07/21/2023 1009
Toluene	ND		1	1.0	ug/L	07/21/2023 1009
1,1,1-Trichloroethane	ND		1	1.0	ug/L	07/21/2023 1009
1,1,2-Trichloroethane	ND		1	1.0	ug/L	07/21/2023 1009
Trichloroethene	ND		1	1.0	ug/L	07/21/2023 1009

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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P = The RPD between two GC columns exceeds 40%

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80565-001

Matrix: Aqueous

Batch: 80565

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Trichlorofluoromethane	ND		1	1.0	ug/L	07/21/2023 1009
1,2,3-Trichloropropane	ND		1	1.0	ug/L	07/21/2023 1009
Vinyl acetate	ND		1	5.0	ug/L	07/21/2023 1009
Vinyl chloride	ND		1	1.0	ug/L	07/21/2023 1009
Xylenes (total)	ND		1	1.0	ug/L	07/21/2023 1009
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		102	70-130			
1,2-Dichloroethane-d4		105	70-130			
Toluene-d8		107	70-130			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80565-002

Matrix: Aqueous

Batch: 80565

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	140		1	137	60-140	07/21/2023 0841
Acrylonitrile	100	88		1	88	70-130	07/21/2023 0841
Benzene	50	46		1	93	70-130	07/21/2023 0841
Bromochloromethane	50	48		1	96	70-130	07/21/2023 0841
Bromodichloromethane	50	47		1	94	70-130	07/21/2023 0841
Bromoform	50	48		1	97	70-130	07/21/2023 0841
Bromomethane (Methyl bromide)	50	46		1	92	70-130	07/21/2023 0841
2-Butanone (MEK)	100	110		1	114	70-130	07/21/2023 0841
Carbon disulfide	50	45		1	91	70-130	07/21/2023 0841
Carbon tetrachloride	50	49		1	98	70-130	07/21/2023 0841
Chlorobenzene	50	48		1	96	70-130	07/21/2023 0841
Chloroethane	50	46		1	91	70-130	07/21/2023 0841
Chloroform	50	45		1	89	70-130	07/21/2023 0841
Chloromethane (Methyl chloride)	50	40		1	80	60-140	07/21/2023 0841
1,2-Dibromo-3-chloropropane (DBCP)	50	42		1	85	70-130	07/21/2023 0841
Dibromochloromethane	50	48		1	97	70-130	07/21/2023 0841
1,2-Dibromoethane (EDB)	50	48		1	96	70-130	07/21/2023 0841
Dibromomethane (Methylene bromide)	50	48		1	96	70-130	07/21/2023 0841
trans-1,4-Dichloro-2-butene	50	40		1	79	70-130	07/21/2023 0841
1,2-Dichlorobenzene	50	49		1	97	70-130	07/21/2023 0841
1,4-Dichlorobenzene	50	46		1	92	70-130	07/21/2023 0841
Dichlorodifluoromethane	50	46		1	92	60-140	07/21/2023 0841
1,1-Dichloroethane	50	45		1	90	70-130	07/21/2023 0841
1,2-Dichloroethane	50	46		1	93	70-130	07/21/2023 0841
1,1-Dichloroethene	50	48		1	96	70-130	07/21/2023 0841
cis-1,2-Dichloroethene	50	48		1	96	70-130	07/21/2023 0841
trans-1,2-Dichloroethene	50	48		1	96	70-130	07/21/2023 0841
1,2-Dichloropropane	50	45		1	91	70-130	07/21/2023 0841
2,2-Dichloropropane	50	50		1	100	70-130	07/21/2023 0841
cis-1,3-Dichloropropene	50	51		1	103	70-130	07/21/2023 0841
trans-1,3-Dichloropropene	50	44		1	87	70-130	07/21/2023 0841
Ethylbenzene	50	50		1	100	70-130	07/21/2023 0841
2-Hexanone	100	90		1	90	70-130	07/21/2023 0841
Methyl iodide (Iodomethane)	50	50		1	99	70-130	07/21/2023 0841
4-Methyl-2-pentanone	100	91		1	91	70-130	07/21/2023 0841
Methylene chloride	50	49		1	98	70-130	07/21/2023 0841
Styrene	50	55		1	110	70-130	07/21/2023 0841
1,1,1,2-Tetrachloroethane	50	49		1	97	70-130	07/21/2023 0841
1,1,2,2-Tetrachloroethane	50	43		1	86	70-130	07/21/2023 0841
Tetrachloroethene	50	50		1	100	70-130	07/21/2023 0841
Toluene	50	49		1	99	70-130	07/21/2023 0841
1,1,1-Trichloroethane	50	47		1	94	70-130	07/21/2023 0841
1,1,2-Trichloroethane	50	48		1	95	70-130	07/21/2023 0841
Trichloroethene	50	51		1	102	70-130	07/21/2023 0841

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80565-002

Matrix: Aqueous

Batch: 80565

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Trichlorofluoromethane	50	48		1	97	70-130	07/21/2023 0841
1,2,3-Trichloropropane	50	46		1	92	70-130	07/21/2023 0841
Vinyl acetate	50	51		1	101	60-140	07/21/2023 0841
Vinyl chloride	50	45		1	90	70-130	07/21/2023 0841
Xylenes (total)	100	100		1	102	70-130	07/21/2023 0841
Surrogate	Q	% Rec			Acceptance Limit		
Bromofluorobenzene		105			70-130		
1,2-Dichloroethane-d4		97			70-130		
Toluene-d8		105			70-130		

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80648-001

Matrix: Aqueous

Batch: 80648

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	07/23/2023 1553
Acrylonitrile	ND		1	20	ug/L	07/23/2023 1553
Benzene	ND		1	1.0	ug/L	07/23/2023 1553
Bromochloromethane	ND		1	1.0	ug/L	07/23/2023 1553
Bromodichloromethane	ND		1	1.0	ug/L	07/23/2023 1553
Bromoform	ND		1	1.0	ug/L	07/23/2023 1553
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	07/23/2023 1553
2-Butanone (MEK)	ND		1	10	ug/L	07/23/2023 1553
Carbon disulfide	ND		1	1.0	ug/L	07/23/2023 1553
Carbon tetrachloride	ND		1	1.0	ug/L	07/23/2023 1553
Chlorobenzene	ND		1	1.0	ug/L	07/23/2023 1553
Chloroethane	ND		1	2.0	ug/L	07/23/2023 1553
Chloroform	ND		1	1.0	ug/L	07/23/2023 1553
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	07/23/2023 1553
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	07/23/2023 1553
Dibromochloromethane	ND		1	1.0	ug/L	07/23/2023 1553
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	07/23/2023 1553
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	07/23/2023 1553
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	07/23/2023 1553
1,2-Dichlorobenzene	ND		1	1.0	ug/L	07/23/2023 1553
1,4-Dichlorobenzene	ND		1	1.0	ug/L	07/23/2023 1553
Dichlorodifluoromethane	ND		1	2.0	ug/L	07/23/2023 1553
1,1-Dichloroethane	ND		1	1.0	ug/L	07/23/2023 1553
1,2-Dichloroethane	ND		1	1.0	ug/L	07/23/2023 1553
1,1-Dichloroethene	ND		1	1.0	ug/L	07/23/2023 1553
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	07/23/2023 1553
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	07/23/2023 1553
1,2-Dichloropropane	ND		1	1.0	ug/L	07/23/2023 1553
2,2-Dichloropropane	ND		1	1.0	ug/L	07/23/2023 1553
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	07/23/2023 1553
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	07/23/2023 1553
Ethylbenzene	ND		1	1.0	ug/L	07/23/2023 1553
2-Hexanone	ND		1	10	ug/L	07/23/2023 1553
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	07/23/2023 1553
4-Methyl-2-pentanone	ND		1	10	ug/L	07/23/2023 1553
Methylene chloride	ND		1	1.0	ug/L	07/23/2023 1553
Styrene	ND		1	1.0	ug/L	07/23/2023 1553
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	07/23/2023 1553
1,1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	07/23/2023 1553
Tetrachloroethene	ND		1	1.0	ug/L	07/23/2023 1553
Toluene	ND		1	1.0	ug/L	07/23/2023 1553
1,1,1-Trichloroethane	ND		1	1.0	ug/L	07/23/2023 1553
1,1,2-Trichloroethane	ND		1	1.0	ug/L	07/23/2023 1553
Trichloroethene	ND		1	1.0	ug/L	07/23/2023 1553

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80648-001

Matrix: Aqueous

Batch: 80648

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Trichlorofluoromethane	ND		1	1.0	ug/L	07/23/2023 1553
1,2,3-Trichloropropane	ND		1	1.0	ug/L	07/23/2023 1553
Vinyl acetate	ND		1	5.0	ug/L	07/23/2023 1553
Vinyl chloride	ND		1	1.0	ug/L	07/23/2023 1553
Xylenes (total)	ND		1	1.0	ug/L	07/23/2023 1553
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		105	70-130			
1,2-Dichloroethane-d4		100	70-130			
Toluene-d8		109	70-130			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

* = RSD is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80648-002

Matrix: Aqueous

Batch: 80648

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	100		1	103	60-140	07/23/2023 1343
Acrylonitrile	100	91		1	91	70-130	07/23/2023 1343
Benzene	50	49		1	98	70-130	07/23/2023 1343
Bromochloromethane	50	46		1	92	70-130	07/23/2023 1343
Bromodichloromethane	50	49		1	98	70-130	07/23/2023 1343
Bromoform	50	53		1	107	70-130	07/23/2023 1343
Bromomethane (Methyl bromide)	50	50		1	100	70-130	07/23/2023 1343
2-Butanone (MEK)	100	110		1	114	70-130	07/23/2023 1343
Carbon disulfide	50	45		1	89	70-130	07/23/2023 1343
Carbon tetrachloride	50	47		1	94	70-130	07/23/2023 1343
Chlorobenzene	50	52		1	103	70-130	07/23/2023 1343
Chloroethane	50	48		1	95	70-130	07/23/2023 1343
Chloroform	50	47		1	93	70-130	07/23/2023 1343
Chloromethane (Methyl chloride)	50	47		1	94	60-140	07/23/2023 1343
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	105	70-130	07/23/2023 1343
Dibromochloromethane	50	51		1	102	70-130	07/23/2023 1343
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	07/23/2023 1343
Dibromomethane (Methylene bromide)	50	48		1	96	70-130	07/23/2023 1343
trans-1,4-Dichloro-2-butene	50	49		1	99	70-130	07/23/2023 1343
1,2-Dichlorobenzene	50	54		1	107	70-130	07/23/2023 1343
1,4-Dichlorobenzene	50	53		1	105	70-130	07/23/2023 1343
Dichlorodifluoromethane	50	44		1	87	60-140	07/23/2023 1343
1,1-Dichloroethane	50	46		1	92	70-130	07/23/2023 1343
1,2-Dichloroethane	50	50		1	100	70-130	07/23/2023 1343
1,1-Dichloroethene	50	47		1	93	70-130	07/23/2023 1343
cis-1,2-Dichloroethene	50	47		1	94	70-130	07/23/2023 1343
trans-1,2-Dichloroethene	50	47		1	94	70-130	07/23/2023 1343
1,2-Dichloropropane	50	48		1	97	70-130	07/23/2023 1343
2,2-Dichloropropane	50	47		1	94	70-130	07/23/2023 1343
cis-1,3-Dichloropropene	50	51		1	103	70-130	07/23/2023 1343
trans-1,3-Dichloropropene	50	53		1	105	70-130	07/23/2023 1343
Ethylbenzene	50	54		1	107	70-130	07/23/2023 1343
2-Hexanone	100	120		1	118	70-130	07/23/2023 1343
Methyl iodide (Iodomethane)	50	46		1	91	70-130	07/23/2023 1343
4-Methyl-2-pentanone	100	100		1	103	70-130	07/23/2023 1343
Methylene chloride	50	47		1	95	70-130	07/23/2023 1343
Styrene	50	50		1	100	70-130	07/23/2023 1343
1,1,1,2-Tetrachloroethane	50	52		1	104	70-130	07/23/2023 1343
1,1,2,2-Tetrachloroethane	50	51		1	103	70-130	07/23/2023 1343
Tetrachloroethene	50	51		1	103	70-130	07/23/2023 1343
Toluene	50	52		1	104	70-130	07/23/2023 1343
1,1,1-Trichloroethane	50	47		1	95	70-130	07/23/2023 1343
1,1,2-Trichloroethane	50	47		1	94	70-130	07/23/2023 1343
Trichloroethene	50	49		1	98	70-130	07/23/2023 1343

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80648-002

Matrix: Aqueous

Batch: 80648

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Trichlorofluoromethane	50	46		1	91	70-130	07/23/2023 1343
1,2,3-Trichloropropane	50	49		1	99	70-130	07/23/2023 1343
Vinyl acetate	50	51		1	103	60-140	07/23/2023 1343
Vinyl chloride	50	51		1	101	70-130	07/23/2023 1343
Xylenes (total)	100	110		1	114	70-130	07/23/2023 1343
Surrogate	Q	% Rec			Acceptance Limit		
Bromofluorobenzene		109			70-130		
1,2-Dichloroethane-d4		97			70-130		
Toluene-d8		106			70-130		

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80652-001

Matrix: Aqueous

Batch: 80652

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	07/23/2023 2048
Acrylonitrile	ND		1	20	ug/L	07/23/2023 2048
Benzene	ND		1	1.0	ug/L	07/23/2023 2048
Bromochloromethane	ND		1	1.0	ug/L	07/23/2023 2048
Bromodichloromethane	ND		1	1.0	ug/L	07/23/2023 2048
Bromoform	ND		1	1.0	ug/L	07/23/2023 2048
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	07/23/2023 2048
2-Butanone (MEK)	ND		1	10	ug/L	07/23/2023 2048
Carbon disulfide	ND		1	1.0	ug/L	07/23/2023 2048
Carbon tetrachloride	ND		1	1.0	ug/L	07/23/2023 2048
Chlorobenzene	ND		1	1.0	ug/L	07/23/2023 2048
Chloroethane	ND		1	2.0	ug/L	07/23/2023 2048
Chloroform	ND		1	1.0	ug/L	07/23/2023 2048
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	07/23/2023 2048
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	07/23/2023 2048
Dibromochloromethane	ND		1	1.0	ug/L	07/23/2023 2048
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	07/23/2023 2048
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	07/23/2023 2048
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	07/23/2023 2048
1,2-Dichlorobenzene	ND		1	1.0	ug/L	07/23/2023 2048
1,4-Dichlorobenzene	ND		1	1.0	ug/L	07/23/2023 2048
Dichlorodifluoromethane	ND		1	2.0	ug/L	07/23/2023 2048
1,1-Dichloroethane	ND		1	1.0	ug/L	07/23/2023 2048
1,2-Dichloroethane	ND		1	1.0	ug/L	07/23/2023 2048
1,1-Dichloroethene	ND		1	1.0	ug/L	07/23/2023 2048
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	07/23/2023 2048
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	07/23/2023 2048
1,2-Dichloropropane	ND		1	1.0	ug/L	07/23/2023 2048
2,2-Dichloropropane	ND		1	1.0	ug/L	07/23/2023 2048
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	07/23/2023 2048
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	07/23/2023 2048
Ethylbenzene	ND		1	1.0	ug/L	07/23/2023 2048
2-Hexanone	ND		1	10	ug/L	07/23/2023 2048
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	07/23/2023 2048
4-Methyl-2-pentanone	ND		1	10	ug/L	07/23/2023 2048
Methylene chloride	ND		1	1.0	ug/L	07/23/2023 2048
Styrene	ND		1	1.0	ug/L	07/23/2023 2048
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	07/23/2023 2048
1,1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	07/23/2023 2048
Tetrachloroethene	ND		1	1.0	ug/L	07/23/2023 2048
Toluene	ND		1	1.0	ug/L	07/23/2023 2048
1,1,1-Trichloroethane	ND		1	1.0	ug/L	07/23/2023 2048
1,1,2-Trichloroethane	ND		1	1.0	ug/L	07/23/2023 2048
Trichloroethene	ND		1	1.0	ug/L	07/23/2023 2048

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80652-001

Matrix: Aqueous

Batch: 80652

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Trichlorofluoromethane	ND		1	1.0	ug/L	07/23/2023 2048
1,2,3-Trichloropropane	ND		1	1.0	ug/L	07/23/2023 2048
Vinyl acetate	ND		1	5.0	ug/L	07/23/2023 2048
Vinyl chloride	ND		1	1.0	ug/L	07/23/2023 2048
Xylenes (total)	ND		1	1.0	ug/L	07/23/2023 2048
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		104	70-130			
1,2-Dichloroethane-d4		106	70-130			
Toluene-d8		110	70-130			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

* = RSD is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80652-002

Matrix: Aqueous

Batch: 80652

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	120		1	121	60-140	07/23/2023 1912
Acrylonitrile	100	94		1	94	70-130	07/23/2023 1912
Benzene	50	50		1	100	70-130	07/23/2023 1912
Bromochloromethane	50	51		1	103	70-130	07/23/2023 1912
Bromodichloromethane	50	51		1	103	70-130	07/23/2023 1912
Bromoform	50	56		1	111	70-130	07/23/2023 1912
Bromomethane (Methyl bromide)	50	46		1	92	70-130	07/23/2023 1912
2-Butanone (MEK)	100	110		1	110	70-130	07/23/2023 1912
Carbon disulfide	50	48		1	96	70-130	07/23/2023 1912
Carbon tetrachloride	50	51		1	102	70-130	07/23/2023 1912
Chlorobenzene	50	52		1	104	70-130	07/23/2023 1912
Chloroethane	50	47		1	94	70-130	07/23/2023 1912
Chloroform	50	48		1	95	70-130	07/23/2023 1912
Chloromethane (Methyl chloride)	50	39		1	77	60-140	07/23/2023 1912
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	93	70-130	07/23/2023 1912
Dibromochloromethane	50	54		1	108	70-130	07/23/2023 1912
1,2-Dibromoethane (EDB)	50	52		1	104	70-130	07/23/2023 1912
Dibromomethane (Methylene bromide)	50	52		1	105	70-130	07/23/2023 1912
trans-1,4-Dichloro-2-butene	50	42		1	84	70-130	07/23/2023 1912
1,2-Dichlorobenzene	50	51		1	102	70-130	07/23/2023 1912
1,4-Dichlorobenzene	50	48		1	96	70-130	07/23/2023 1912
Dichlorodifluoromethane	50	42		1	84	60-140	07/23/2023 1912
1,1-Dichloroethane	50	47		1	94	70-130	07/23/2023 1912
1,2-Dichloroethane	50	50		1	100	70-130	07/23/2023 1912
1,1-Dichloroethene	50	50		1	101	70-130	07/23/2023 1912
cis-1,2-Dichloroethene	50	50		1	101	70-130	07/23/2023 1912
trans-1,2-Dichloroethene	50	51		1	102	70-130	07/23/2023 1912
1,2-Dichloropropane	50	48		1	97	70-130	07/23/2023 1912
2,2-Dichloropropane	50	52		1	104	70-130	07/23/2023 1912
cis-1,3-Dichloropropene	50	55		1	111	70-130	07/23/2023 1912
trans-1,3-Dichloropropene	50	47		1	94	70-130	07/23/2023 1912
Ethylbenzene	50	54		1	108	70-130	07/23/2023 1912
2-Hexanone	100	93		1	93	70-130	07/23/2023 1912
Methyl iodide (Iodomethane)	50	52		1	105	70-130	07/23/2023 1912
4-Methyl-2-pentanone	100	98		1	98	70-130	07/23/2023 1912
Methylene chloride	50	52		1	104	70-130	07/23/2023 1912
Styrene	50	60		1	120	70-130	07/23/2023 1912
1,1,1,2-Tetrachloroethane	50	54		1	108	70-130	07/23/2023 1912
1,1,2,2-Tetrachloroethane	50	45		1	89	70-130	07/23/2023 1912
Tetrachloroethene	50	56		1	111	70-130	07/23/2023 1912
Toluene	50	54		1	107	70-130	07/23/2023 1912
1,1,1-Trichloroethane	50	49		1	99	70-130	07/23/2023 1912
1,1,2-Trichloroethane	50	51		1	102	70-130	07/23/2023 1912
Trichloroethene	50	54		1	109	70-130	07/23/2023 1912

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80652-002

Matrix: Aqueous

Batch: 80652

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Trichlorofluoromethane	50	51		1	103	70-130	07/23/2023 1912
1,2,3-Trichloropropane	50	47		1	94	70-130	07/23/2023 1912
Vinyl acetate	50	53		1	107	60-140	07/23/2023 1912
Vinyl chloride	50	44		1	87	70-130	07/23/2023 1912
Xylenes (total)	100	110		1	109	70-130	07/23/2023 1912
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		114	70-130				
1,2-Dichloroethane-d4		105	70-130				
Toluene-d8		113	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80763-001

Matrix: Aqueous

Batch: 80763

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	07/24/2023 2026
Acrylonitrile	ND		1	20	ug/L	07/24/2023 2026
Benzene	ND		1	1.0	ug/L	07/24/2023 2026
Bromochloromethane	ND		1	1.0	ug/L	07/24/2023 2026
Bromodichloromethane	ND		1	1.0	ug/L	07/24/2023 2026
Bromoform	ND		1	1.0	ug/L	07/24/2023 2026
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	07/24/2023 2026
2-Butanone (MEK)	ND		1	10	ug/L	07/24/2023 2026
Carbon disulfide	ND		1	1.0	ug/L	07/24/2023 2026
Carbon tetrachloride	ND		1	1.0	ug/L	07/24/2023 2026
Chlorobenzene	ND		1	1.0	ug/L	07/24/2023 2026
Chloroethane	ND		1	2.0	ug/L	07/24/2023 2026
Chloroform	ND		1	1.0	ug/L	07/24/2023 2026
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	07/24/2023 2026
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	07/24/2023 2026
Dibromochloromethane	ND		1	1.0	ug/L	07/24/2023 2026
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	07/24/2023 2026
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	07/24/2023 2026
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	07/24/2023 2026
1,2-Dichlorobenzene	ND		1	1.0	ug/L	07/24/2023 2026
1,4-Dichlorobenzene	ND		1	1.0	ug/L	07/24/2023 2026
Dichlorodifluoromethane	ND		1	2.0	ug/L	07/24/2023 2026
1,1-Dichloroethane	ND		1	1.0	ug/L	07/24/2023 2026
1,2-Dichloroethane	ND		1	1.0	ug/L	07/24/2023 2026
1,1-Dichloroethene	ND		1	1.0	ug/L	07/24/2023 2026
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	07/24/2023 2026
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	07/24/2023 2026
1,2-Dichloropropane	ND		1	1.0	ug/L	07/24/2023 2026
2,2-Dichloropropane	ND		1	1.0	ug/L	07/24/2023 2026
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	07/24/2023 2026
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	07/24/2023 2026
Ethylbenzene	ND		1	1.0	ug/L	07/24/2023 2026
2-Hexanone	ND		1	10	ug/L	07/24/2023 2026
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	07/24/2023 2026
4-Methyl-2-pentanone	ND		1	10	ug/L	07/24/2023 2026
Methylene chloride	ND		1	1.0	ug/L	07/24/2023 2026
Styrene	ND		1	1.0	ug/L	07/24/2023 2026
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	07/24/2023 2026
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	07/24/2023 2026
Tetrachloroethene	ND		1	1.0	ug/L	07/24/2023 2026
Toluene	ND		1	1.0	ug/L	07/24/2023 2026
1,1,1-Trichloroethane	ND		1	1.0	ug/L	07/24/2023 2026
1,1,2-Trichloroethane	ND		1	1.0	ug/L	07/24/2023 2026
Trichloroethene	ND		1	1.0	ug/L	07/24/2023 2026

LOQ = Limit of Quantitation

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

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Volatile Organic Compounds by GC/MS - MB

Sample ID: YQ80763-001

Matrix: Aqueous

Batch: 80763

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Trichlorofluoromethane	ND		1	1.0	ug/L	07/24/2023 2026
1,2,3-Trichloropropane	ND		1	1.0	ug/L	07/24/2023 2026
Vinyl acetate	ND		1	5.0	ug/L	07/24/2023 2026
Vinyl chloride	ND		1	1.0	ug/L	07/24/2023 2026
Xylenes (total)	ND		1	1.0	ug/L	07/24/2023 2026
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		103	70-130			
1,2-Dichloroethane-d4		99	70-130			
Toluene-d8		109	70-130			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80763-002

Matrix: Aqueous

Batch: 80763

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	87		1	87	60-140	07/24/2023 1827
Acrylonitrile	100	93		1	93	70-130	07/24/2023 1827
Benzene	50	48		1	97	70-130	07/24/2023 1827
Bromochloromethane	50	47		1	93	70-130	07/24/2023 1827
Bromodichloromethane	50	48		1	95	70-130	07/24/2023 1827
Bromoform	50	54		1	107	70-130	07/24/2023 1827
Bromomethane (Methyl bromide)	50	54		1	108	70-130	07/24/2023 1827
2-Butanone (MEK)	100	100		1	100	70-130	07/24/2023 1827
Carbon disulfide	50	44		1	87	70-130	07/24/2023 1827
Carbon tetrachloride	50	45		1	91	70-130	07/24/2023 1827
Chlorobenzene	50	50		1	101	70-130	07/24/2023 1827
Chloroethane	50	51		1	101	70-130	07/24/2023 1827
Chloroform	50	45		1	91	70-130	07/24/2023 1827
Chloromethane (Methyl chloride)	50	52		1	103	60-140	07/24/2023 1827
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	105	70-130	07/24/2023 1827
Dibromochloromethane	50	51		1	102	70-130	07/24/2023 1827
1,2-Dibromoethane (EDB)	50	50		1	101	70-130	07/24/2023 1827
Dibromomethane (Methylene bromide)	50	48		1	96	70-130	07/24/2023 1827
trans-1,4-Dichloro-2-butene	50	48		1	97	70-130	07/24/2023 1827
1,2-Dichlorobenzene	50	51		1	102	70-130	07/24/2023 1827
1,4-Dichlorobenzene	50	50		1	99	70-130	07/24/2023 1827
Dichlorodifluoromethane	50	53		1	107	60-140	07/24/2023 1827
1,1-Dichloroethane	50	45		1	91	70-130	07/24/2023 1827
1,2-Dichloroethane	50	50		1	99	70-130	07/24/2023 1827
1,1-Dichloroethene	50	46		1	92	70-130	07/24/2023 1827
cis-1,2-Dichloroethene	50	46		1	92	70-130	07/24/2023 1827
trans-1,2-Dichloroethene	50	46		1	92	70-130	07/24/2023 1827
1,2-Dichloropropane	50	48		1	96	70-130	07/24/2023 1827
2,2-Dichloropropane	50	48		1	97	70-130	07/24/2023 1827
cis-1,3-Dichloropropene	50	50		1	101	70-130	07/24/2023 1827
trans-1,3-Dichloropropene	50	53		1	106	70-130	07/24/2023 1827
Ethylbenzene	50	53		1	106	70-130	07/24/2023 1827
2-Hexanone	100	110		1	113	70-130	07/24/2023 1827
Methyl iodide (Iodomethane)	50	45		1	90	70-130	07/24/2023 1827
4-Methyl-2-pentanone	100	100		1	103	70-130	07/24/2023 1827
Methylene chloride	50	47		1	93	70-130	07/24/2023 1827
Styrene	50	49		1	99	70-130	07/24/2023 1827
1,1,1,2-Tetrachloroethane	50	52		1	104	70-130	07/24/2023 1827
1,1,2,2-Tetrachloroethane	50	50		1	100	70-130	07/24/2023 1827
Tetrachloroethene	50	52		1	105	70-130	07/24/2023 1827
Toluene	50	52		1	104	70-130	07/24/2023 1827
1,1,1-Trichloroethane	50	46		1	92	70-130	07/24/2023 1827
1,1,2-Trichloroethane	50	47		1	94	70-130	07/24/2023 1827
Trichloroethene	50	49		1	97	70-130	07/24/2023 1827

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: YQ80763-002

Matrix: Aqueous

Batch: 80763

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Trichlorofluoromethane	50	49		1	98	70-130	07/24/2023 1827
1,2,3-Trichloropropane	50	49		1	98	70-130	07/24/2023 1827
Vinyl acetate	50	51		1	103	60-140	07/24/2023 1827
Vinyl chloride	50	56		1	113	70-130	07/24/2023 1827
Xylenes (total)	100	110		1	110	70-130	07/24/2023 1827
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		102	70-130				
1,2-Dichloroethane-d4		93	70-130				
Toluene-d8		99	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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ICP-MS Metals - MB

Sample ID: YQ80067-001

Matrix: Aqueous

Batch: 80067

Prep Method: 3005A

Analytical Method: 6020B

Prep Date: 07/18/2023 1547

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Antimony	ND		1	6.0	ug/L	07/19/2023 1456
Arsenic	ND		1	10	ug/L	07/19/2023 1456
Barium	ND		1	20	ug/L	07/19/2023 1456
Beryllium	ND		1	3.0	ug/L	07/19/2023 1456
Cadmium	ND		1	5.0	ug/L	07/19/2023 1456
Chromium	ND		1	10	ug/L	07/19/2023 1456
Cobalt	ND		1	6.0	ug/L	07/19/2023 1456
Copper	ND		1	20	ug/L	07/19/2023 1456
Lead	ND		1	15	ug/L	07/19/2023 1456
Nickel	ND		1	20	ug/L	07/19/2023 1456
Selenium	ND		1	10	ug/L	07/19/2023 1456
Silver	ND		1	10	ug/L	07/19/2023 1456
Thallium	ND		1	2.0	ug/L	07/19/2023 1456
Tin	ND		1	20	ug/L	07/19/2023 1456
Vanadium	ND		1	20	ug/L	07/19/2023 1456
Zinc	ND		1	20	ug/L	07/19/2023 1456

LOQ = Limit of Quantitation

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ICP-MS Metals - LCS

Sample ID: YQ80067-002

Matrix: Aqueous

Batch: 80067

Prep Method: 3005A

Analytical Method: 6020B

Prep Date: 07/18/2023 1547

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Antimony	100	92		1	92	80-120	07/19/2023 1507
Arsenic	100	100		1	100	80-120	07/19/2023 1507
Barium	100	97		1	97	80-120	07/19/2023 1507
Beryllium	100	95		1	95	80-120	07/19/2023 1507
Cadmium	100	99		1	99	80-120	07/19/2023 1507
Chromium	100	100		1	103	80-120	07/19/2023 1507
Cobalt	100	100		1	104	80-120	07/19/2023 1507
Copper	100	110		1	105	80-120	07/19/2023 1507
Lead	100	98		1	98	80-120	07/19/2023 1507
Nickel	100	100		1	102	80-120	07/19/2023 1507
Selenium	100	89		1	89	80-120	07/19/2023 1507
Silver	100	100		1	104	80-120	07/19/2023 1507
Thallium	100	100		1	104	80-120	07/19/2023 1507
Tin	100	92		1	92	80-120	07/19/2023 1507
Vanadium	100	98		1	98	80-120	07/19/2023 1507
Zinc	100	100		1	100	80-120	07/19/2023 1507

LOQ = Limit of Quantitation

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ICP-MS Metals - MS

Sample ID: YG14032-013MS

Matrix: Aqueous

Batch: 80067

Prep Method: 3005A

Analytical Method: 6020B

Prep Date: 07/18/2023 1547

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Antimony	ND	100	96		1	96	75-125	07/19/2023 1802
Arsenic	ND	100	110		1	105	75-125	07/19/2023 1802
Barium	87	100	180		1	98	75-125	07/19/2023 1802
Beryllium	ND	100	100		1	102	75-125	07/19/2023 1802
Cadmium	ND	100	110		1	107	75-125	07/19/2023 1802
Chromium	ND	100	110		1	106	75-125	07/19/2023 1802
Cobalt	8.0	100	120		1	108	75-125	07/19/2023 1802
Copper	ND	100	110		1	109	75-125	07/19/2023 1802
Lead	ND	100	110		1	106	75-125	07/19/2023 1802
Nickel	ND	100	110		1	106	75-125	07/19/2023 1802
Selenium	ND	100	100		1	100	75-125	07/19/2023 1802
Silver	ND	100	110		1	108	75-125	07/19/2023 1802
Thallium	ND	100	100		1	104	75-125	07/19/2023 1802
Vanadium	ND	100	100		1	101	75-125	07/19/2023 1802
Zinc	ND	100	120		1	117	75-125	07/19/2023 1802

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ICP-MS Metals - MSD

Sample ID: YG14032-013MD

Matrix: Aqueous

Batch: 80067

Prep Method: 3005A

Analytical Method: 6020B

Prep Date: 07/18/2023 1547

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Antimony	ND	100	97		1	97	1.7	75-125	20	07/19/2023 1813
Arsenic	ND	100	110		1	105	0.25	75-125	20	07/19/2023 1813
Barium	87	100	190		1	104	3.2	75-125	20	07/19/2023 1813
Beryllium	ND	100	100		1	102	0.19	75-125	20	07/19/2023 1813
Cadmium	ND	100	110		1	107	0.61	75-125	20	07/19/2023 1813
Chromium	ND	100	110		1	106	0.52	75-125	20	07/19/2023 1813
Cobalt	8.0	100	120		1	108	0.016	75-125	20	07/19/2023 1813
Copper	ND	100	110		1	109	0.15	75-125	20	07/19/2023 1813
Lead	ND	100	110		1	109	3.5	75-125	20	07/19/2023 1813
Nickel	ND	100	110		1	106	0.36	75-125	20	07/19/2023 1813
Selenium	ND	100	100		1	100	0.26	75-125	20	07/19/2023 1813
Silver	ND	100	110		1	107	0.83	75-125	20	07/19/2023 1813
Thallium	ND	100	110		1	109	4.9	75-125	20	07/19/2023 1813
Vanadium	ND	100	100		1	102	0.74	75-125	20	07/19/2023 1813
Zinc	ND	100	120		1	117	0.19	75-125	20	07/19/2023 1813

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ICP-MS Metals - MB

Sample ID: YQ80068-001

Matrix: Aqueous

Batch: 80068

Prep Method: 3005A

Analytical Method: 6020B

Prep Date: 07/18/2023 1403

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Antimony	ND		1	6.0	ug/L	07/19/2023 2035
Arsenic	ND		1	10	ug/L	07/19/2023 2035
Barium	ND		1	20	ug/L	07/19/2023 2035
Beryllium	ND		1	3.0	ug/L	07/19/2023 2035
Cadmium	ND		1	5.0	ug/L	07/19/2023 2035
Chromium	ND		1	10	ug/L	07/19/2023 2035
Cobalt	ND		1	6.0	ug/L	07/19/2023 2035
Copper	ND		1	20	ug/L	07/19/2023 2035
Lead	ND		1	15	ug/L	07/19/2023 2035
Nickel	ND		1	20	ug/L	07/19/2023 2035
Selenium	ND		1	10	ug/L	07/19/2023 2035
Silver	ND		1	10	ug/L	07/19/2023 2035
Thallium	ND		1	2.0	ug/L	07/19/2023 2035
Vanadium	ND		1	20	ug/L	07/19/2023 2035
Zinc	ND		1	20	ug/L	07/19/2023 2035

LOQ = Limit of Quantitation

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ICP-MS Metals - LCS

Sample ID: YQ80068-002

Matrix: Aqueous

Batch: 80068

Prep Method: 3005A

Analytical Method: 6020B

Prep Date: 07/18/2023 1403

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Antimony	100	96		1	96	80-120	07/19/2023 2107
Arsenic	100	100		1	101	80-120	07/19/2023 2107
Barium	100	100		1	102	80-120	07/19/2023 2107
Beryllium	100	98		1	98	80-120	07/19/2023 2107
Cadmium	100	110		1	106	80-120	07/19/2023 2107
Chromium	100	110		1	107	80-120	07/19/2023 2107
Cobalt	100	110		1	109	80-120	07/19/2023 2107
Copper	100	110		1	110	80-120	07/19/2023 2107
Lead	100	120		1	116	80-120	07/19/2023 2107
Nickel	100	110		1	107	80-120	07/19/2023 2107
Selenium	100	96		1	96	80-120	07/19/2023 2107
Silver	100	120	N	1	121	80-120	07/19/2023 2107
Thallium	100	120	N	1	122	80-120	07/19/2023 2107
Vanadium	100	100		1	101	80-120	07/19/2023 2107
Zinc	100	100		1	104	80-120	07/19/2023 2107

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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ICP-MS Metals - MS

Sample ID: YG14032-026MS

Matrix: Aqueous

Batch: 80068

Prep Method: 3005A

Analytical Method: 6020B

Prep Date: 07/18/2023 1403

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Antimony	ND	100	93		1	93	75-125	07/19/2023 2224
Arsenic	ND	100	100		1	101	75-125	07/19/2023 2224
Barium	20	100	120		1	101	75-125	07/19/2023 2224
Beryllium	ND	100	100		1	100	75-125	07/19/2023 2224
Cadmium	ND	100	100		1	105	75-125	07/19/2023 2224
Chromium	ND	100	110		1	109	75-125	07/19/2023 2224
Cobalt	ND	100	110		1	110	75-125	07/19/2023 2224
Copper	ND	100	110		1	111	75-125	07/19/2023 2224
Lead	ND	100	110		1	112	75-125	07/19/2023 2224
Nickel	ND	100	110		1	108	75-125	07/19/2023 2224
Selenium	ND	100	92		1	92	75-125	07/19/2023 2224
Silver	ND	100	110		1	114	75-125	07/19/2023 2224
Thallium	ND	100	120		1	116	75-125	07/19/2023 2224
Vanadium	ND	100	100		1	104	75-125	07/19/2023 2224
Zinc	ND	100	110		1	110	75-125	07/19/2023 2224

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

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

ICP-MS Metals - MSD

Sample ID: YG14032-026MD

Matrix: Aqueous

Batch: 80068

Prep Method: 3005A

Analytical Method: 6020B

Prep Date: 07/18/2023 1403

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Antimony	ND	100	93		1	93	0.32	75-125	20	07/19/2023 2235
Arsenic	ND	100	100		1	100	0.22	75-125	20	07/19/2023 2235
Barium	20	100	120		1	101	0.0029	75-125	20	07/19/2023 2235
Beryllium	ND	100	98		1	98	1.5	75-125	20	07/19/2023 2235
Cadmium	ND	100	100		1	104	0.12	75-125	20	07/19/2023 2235
Chromium	ND	100	110		1	109	0.42	75-125	20	07/19/2023 2235
Cobalt	ND	100	110		1	110	0.045	75-125	20	07/19/2023 2235
Copper	ND	100	110		1	113	1.1	75-125	20	07/19/2023 2235
Lead	ND	100	110		1	109	2.3	75-125	20	07/19/2023 2235
Nickel	ND	100	110		1	109	0.60	75-125	20	07/19/2023 2235
Selenium	ND	100	93		1	93	0.22	75-125	20	07/19/2023 2235
Silver	ND	100	110		1	114	0.65	75-125	20	07/19/2023 2235
Thallium	ND	100	120		1	115	1.0	75-125	20	07/19/2023 2235
Vanadium	ND	100	100		1	103	0.40	75-125	20	07/19/2023 2235
Zinc	ND	100	110		1	111	0.72	75-125	20	07/19/2023 2235

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

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

**Chain of Custody
and
Miscellaneous Documents**

Client GFL Environmental			Report to Contact Mr. Scott Mann			Telephone No. / E-mail 878-341-7140 / scott.mann@gflenv.com			Quote No.						
Address 6980 Old Federal Rd			Sampler's Signature <i>[Signature]</i>			Analysis (Attach list if more space is needed)			Page 1 of 5						
City Ball Ground	State GA	Zip Code 30107	Printed Name Nick Walker (Daniel Cantu)			GA App I VOC (8260)			GA App I Metals						
Project Name Eagle Point Landfill			Project Number 058-012D(SL)			F.C. No.			GA App II VOC (8260/8011)						
Sample ID / Description (contents for each sample may be combined on one line)			Collection Date(s)	Collection Time (military)	GeoGrab G-Composite	Matrix			No of Containers by Preservative Type			Chloride, TDS	GA App I VOC (8260)	Remarks / Cooler I.D.	
					Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl				NaOH
GWA-1			07/13/23	1158	G	X				1	5				
GWA-2			7/12	1324	G	X				1	5				
GWC-1			7/11	1113	G	X				1	3				
GWC-2			7/11	1043	G	X				1	3		X	X	← Nw
GWC-3			7/13	1013	G	X				1	3		X	X	
GWC-4			7/13	1052	G	X				1	3		X	X	
GWC-5			7/13	1118	G	X				1	3		X	X	
GWC-6			7/10	1027	G	X				1	3		X	X	
GWC-7			7/10	1306	G	X				1	3		X	X	
GWC-7A			7/10	1236	G	X				1	3		X	X	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Please Specify)			Sample Disposal			Possible Hazard Identification (List any known hazards in the remarks)			QC Requirements						
<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab			Date: 7/13/23 Time: 1356			<input checked="" type="checkbox"/> Non-Haz <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> SDS provided <input type="checkbox"/> Unknown			1. Received by: <i>[Signature]</i> Date: 7-13-23 Time: 1359						
Relinquished by: <i>[Signature]</i>			Date: _____ Time: _____			2. Received by: _____ Date: _____ Time: _____			3. Received by: _____ Date: _____ Time: _____						
Relinquished by: <i>[Signature]</i>			Date: _____ Time: _____			4. Received by: <i>[Signature]</i> Date: 7.14.23 Time: 1005			Temp. Blank <input checked="" type="checkbox"/> Y <input type="checkbox"/> N						
Note: All samples are retained for four weeks from receipt unless other arrangements are made						LAB USE ONLY Received on Ice (Check) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Ice Pack			Receipt Temp. 3.30 °C 1.90 1.00 2.42						



Chain of Custody Record

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Number

Client GFL Environmental		Report to Contact Mr. Scott Mann		Telephone No. / E-mail 678-341-7140 / scott.mann@gflenv.com		Quote No.												
Address 850 Old Federal Rd		Sampler's Signature 		Analysis (Attach list if more space is needed)		Page 2 of 5												
City Columbia	State GA	Zip Code 30107		Printed Name N. Walker / D. Cantu		Barcode YG14032												
Project Name Eagle Point Landfill		Project Number 58-012D(SL)		P.O. No.		LID												
Sample ID / Description (containers for each sample may be combined on one line)		Collection Date(s)	Collection Time (military)	G-Grab C-Composite	Matrix			No of Containers by Preservative Type			GA App I VOC (8260)	GA App I Metals	GA App II VOC (8250/BD11)	GA App II Metals (incl. Hg)	Chloride, TDS	GA App I VOC (8260)	Remarks / Cooler I. D.	
				Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	HOAc	5035 KCl	Field Filtered					
GWC-8		07/12/23	1048	G	X				1	3			X	X				
GWC-9		7/10	1118	G	X				1	3			X	X				
GWC-10		7/13	1203	G	X				1	3			X	X				
GWC-11		7/10	1344	G	X				1	5					X	X		
GWC-12R		7/10	1204	G	X				1	5					X	X		
GWC-13R		7/12	1312	G	X				1	3			X	X				
GWC-14R		7/12	1130	G	X				1	3			X	X				
GWC-15		7/12	1252	G	X				1	3			X	X				
GWC-16		7/12	1205	G	X				1	3			X	X				
GWC-17		7/12	1232	G	X				1	3			X	X				
Arrival Around Time Required (Prior lab approval required for expedited TAT) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Please Specify)				Sample Disposal <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab				Possible Hazard Identification (List any known hazards in the remarks) <input checked="" type="checkbox"/> Non-Haz <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> SDS provided <input type="checkbox"/> Unknown				QC Requirements						
Relinquished by				Date 7/13/23		Time 1355		1. Received by				Date 7-13-23		Time 1259				
Relinquished by				Date		Time		2. Received by				Date		Time				
Relinquished by				Date		Time		3. Received by				Date		Time				
Relinquished by				Date 7-14-23		Time 1005		4. Received by				Date 7-14-23		Time 1005				
Note: All samples are retained for four weeks from receipt unless other arrangements are made						LAB USE ONLY Received on Ice (Check) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Ice Pack						Receipt Temp. 3.3°C		Temp. Blank <input checked="" type="checkbox"/> Y <input type="checkbox"/> N				


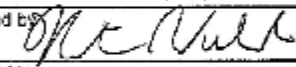
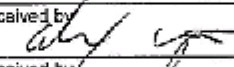

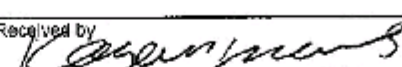
1.9°C 24°C
1.5°C



Chain of
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Number

Client FL Environmental		Report to Contact Mr. Scott Mann		Telephone No. / E-mail 678-341-7140 / scott.mann@gflenv.com		Quote No.													
Address 880 Old Federal Rd		Sampler's Signature 		Analysis (Attach list if more space is needed)		Page 3 of 5													
City Mt Pleasant	State GA	Zip Code 30107	Printed Name M. Mann		<table border="1"> <tr> <td>GA App I VOC (8260)</td> <td>GA App I Metals</td> <td>GA App II VOC (8260/8011)</td> <td>GA App II Metals (incl. Hg)</td> <td>Chloride, TDS</td> <td>GA App I VOC (8260)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			GA App I VOC (8260)	GA App I Metals	GA App II VOC (8260/8011)	GA App II Metals (incl. Hg)	Chloride, TDS	GA App I VOC (8260)						
GA App I VOC (8260)	GA App I Metals	GA App II VOC (8260/8011)	GA App II Metals (incl. Hg)	Chloride, TDS				GA App I VOC (8260)											
Project Name Angle Point Landfill		Project Number 58 012D(SL)		P.O. No.		Remarks / Cooler I. D.													
Sample ID / Description (Containers for each sample may be combined on one line)		Collection Date(s)	Collection Time (military)	G-C Composite	Matrix			No of Containers by Preservative Type			Field Filled		Remarks / Cooler I. D.						
					Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit						
GWC-18		07/11/23	1415	G	X				X	X	3			X	X				
GWC-19		7/12	1327	G	X					1	3			X	X				
GWC-20		7/11	1318	G	X					1	3			X	X				
GWC-21		7/13	1044	G	X					1	3			X	X				
GWC-22		7/11	1242	G	X					1	3			X	X				
GWC-23		7/11	1205	G	X					1	3			X	X				
GWC-24		7/11	1127	G	X					1	3			X	X				
GWC-25		7/11	1050	G	X					1	3			X	X				
GWC-26		7/12	1034	G	X					1	3			X	X				
GWC-27		7/12	1202	G	X					1	3			X	X				
Turn Around Time Required (Prior lab approval required for expedited TAT)		Sample Disposal		Possible Hazard Identification (List any known hazards in the remarks)				QC Requirements											
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Please Specify)		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab		<input checked="" type="checkbox"/> Non-Haz <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> SDS provided <input type="checkbox"/> Unknown															
Relinquished by 		Date 7/13/23	Time 1355	1. Received by 		Date 7-13-22	Time 1359												
Relinquished by		Date	Time	2. Received by		Date	Time												
Relinquished by		Date	Time	3. Received by		Date	Time												
Relinquished by 		Date 7.14.23	Time 1005	4. Received by 		Date 7.14.23	Time 1005												
Note: All samples are retained for four weeks from receipt unless other arrangements are made				LAB USE ONLY Received on Ice (Check) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Ice Pack				Receipt Temp. 3.3 °C		Temp. Blank <input checked="" type="checkbox"/> Y <input type="checkbox"/> N									

1.9°C 24°C
1.5°C



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Address 880 Old Federal Rd		Sampler's Signature 		Analysis (Attach list if more space is needed)		Page 4 of 5																										
City Hall Ground	State GA	Zip Code 30107	Printed Name Walker/D Cantu		 YG14032 LJO Remarks / Cooler I. D.																											
Project Name Eagle Point Landfill		Project Number 58-012D(SL)		P.O. No.																												
Sample ID / Description (containers for each sample may be combined on one line)	Collection Date(s)	Collection Time (military)	G-Grab C-Composite	Matrix			No of Containers by Preservative Type							GA App I VOC (8260)	GA App I Metals	GA App II VOC (9260/8011)	GA App II Metals (incl. Hg)	Chloride, TDS	GA App I VOC (8260)													
				Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Field Filtered																			
SWC-28	07/17/23	1135	G X					1	3					X	X																	
SWC-29	7/12	1110	G X					1	3					X	X																	
SWC-1	7/13	1131	G X							2																						
SWC-2	7/13	1211	G X							2																						
SWC-5	7/10	1240	G X							2																						
SWC-6	7/13	1001	G X							2																						
SWC-7	7/13	1017	G X							2																						
SWC-8	7/13	1129	G X							2																						
SWC-10	7/11	1334	G X							2																						
SWC-12	7/13	1025	G X							2																						
Turn Around Time Required (Prior lab approval required for expedited TAT) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Please Specify)			Sample Disposal <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab			Possible Hazard Identification (List any known hazards in the remarks) <input checked="" type="checkbox"/> Non-Haz <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> SDS provided <input type="checkbox"/> Unknown						QC Requirements																				
Relinquished by			Date 7/13/23		Time 1356		1. Received by			Date 7-13-23		Time 1359																				
Relinquished by			Date		Time		2. Received by			Date		Time																				
Relinquished by			Date		Time		3. Received by			Date		Time																				
Relinquished by			Date 7.14.23		Time 1005		4. Received by			Date 7.14.23		Time 1005																				
Note: All samples are retained for four weeks from receipt unless other arrangements are made						LAB USE ONLY Received on Ice (Check) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Ice Pack						Receipt Temp. 32 °C 1.9C 1.5C 2.4P		Temp. Blank <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																		






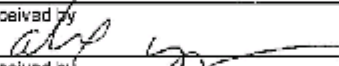
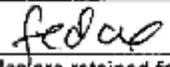
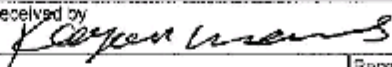
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Client GFL Environmental			Report to Contact Mr. Scott Mann				Telephone No. / E-mail 678-341-7140 / scott.mann@gflenv.com				Quote No.						
Address 890 Old Federal Rd			Sampler's Signature 				Analysis (Attach list if more space is needed)				Page <u>5</u> of <u>5</u>						
City Dalton	State GA	Zip Code 30107					Printed Name Scott Mann				GA App I VOC (8260)				 YG14032 L10		
Project Name Eagle Point Landfill			Project Number 58-012D(SL)				F.O. No.				Remarks / Cooler I. D.						
Sample ID / Description <small>(Containers for each sample may be contained on one line)</small>	Collection Date(s)	Collection Time <small>(military)</small>	G-Grab C-Composite	Matrix			No of Containers by Preservative Type							Chloride, TDS	GA App I VOC (8260)		
				Aqueous	Solid	Non-Aqueous	Unies.	H2SO4	HNO3	HCl	NaOH	SURE Kit	Field Filtered			GA App I VOC (8260)	GA App I Metals
SWA-1	07/13/23	1102	G X	X			2			3						X	X
SWC-9	7/10	1320	G X	X			2			3						X	X
Field Blank	7/13	1222	G X	X						1	3			X	X		
Trip Blank	7/10	0830	G X	X							2			X			
Turn Around Time Required (Prior lab approval required for expedited TAT)			Sample Disposal				Possible Hazard Identification (List any known hazards in the remarks)				QC Requirements						
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Please Specify)			<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab				<input checked="" type="checkbox"/> Non-Haz <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> SDS provided <input type="checkbox"/> Unknown										
Relinquished by 			Date 7/13/23		Time 1356		1. Received by 		Date 7-13-23		Time 1359						
Relinquished by			Date		Time		2. Received by		Date		Time						
Relinquished by			Date		Time		3. Received by		Date		Time						
Relinquished by 			Date 7-14-23		Time 1005		4. Received by 		Date 7-14-23		Time 1005						
Note: All samples are retained for four weeks from receipt unless other arrangements are made						LAB USE ONLY Received on Ice (Check) <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Ice Pack				Receipt Temp. 3.5 °C		Temp. Blank <input type="checkbox"/> Y <input type="checkbox"/> N					

1.98
2.40
1.50

PACE ANALYTICAL SERVICES, LLC

PACE ANALYTICAL SERVICES, LLC

DC# Title: ENV-FRM-WCOL-0286 v02 Samples Receipt Checklist (SRC)
 Effective Date: 8/2/2022

Sample Receipt Checklist (SRC)

Client: GFL Env Cooler Inspected by/date: KDRW / 07/14/2023 Lot #: YG140132

Means of receipt:		Pace	Client	UPS	<input checked="" type="checkbox"/> FedEx	Other:
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?				
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?			
pH Strip ID: 22-2593		Chlorine Strip ID: NA		Tested by: KDRW		
Original temperature upon receipt / Derived (Corrected) temperature upon receipt				%Solid Snap-Cup ID: NA		
3.3 / 3.3 °C		1.9 / 1.9 °C		1.5 / 1.5 °C		2.4 / 2.4 °C
Method: <input type="checkbox"/> Temperature Blank		<input checked="" type="checkbox"/> Against Bottles		IR Gun ID: 8		IR Gun Correction Factor: 0 °C
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None						
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	3. Were all coolers received at or below 6.0°C? If no, was Project Manager notified? PM was Notified by: phone / email / face-to-face (circle one).			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5. Were proper custody procedures (relinquished/received) followed?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		6. Were sample IDs listed on the COC and all sample containers?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		7. Was collection date & time listed on the COC and all sample containers?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8. Did all container label information (ID, date, time) agree with the COC?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9. Were tests to be performed listed on the COC?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		11. Was adequate sample volume available?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		12. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		13. Were all samples containers accounted for? (No missing/excess)			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA	14. Were VOA, 8015C and RSK-175 samples free of bubbles >"pea-size" (1/4" or 6mm in diameter) in any of the VOA vials?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	15. Were all DRO/metals/nutrient samples received at a pH of < 2?			
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA	16. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?			
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA	17. Were all applicable NH ₃ /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA	18. Was the quote number listed on the container label? If yes, Quote #			
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)						
Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H ₂ SO ₄ , HNO ₃ , HCl, NaOH using SR # NA. <input type="checkbox"/>						
Time of preservation NA. If more than one preservative is needed, please note in the comments below.						
Sample(s) -001(5), -002(5), -003(3)-008(3), -009(3), -010(3), -012(3), -017(3), -022(3) were received with bubbles >6 mm in diameter.						
Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is no) and were adjusted accordingly in sample receiving with sodium fluosulfate (Na ₂ S ₂ O ₃) with Unique ID: NA						

Comments: bubbles continued: -022(3), -026(3), 027(3)-034(3), -035(3), -037(3), -044(2)

APPENDIX B
Summary Tables of Groundwater Analytical Results

**Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #2 (4-15-02)**

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GW-A1	GW-A2	GW-C1	GW-C2	GW-C3	GW-C4	GW-C5	GW-C6	GW-C7	GW-C7A	GW-C8	GW-C9	GW-C10	GW-C11	GW-C12	GW-C13	GW-C14R	GW-C15	GW-C16	GW-C17	GW-C18	GW-C19	GW-C20	GW-C21	GW-C22	GW-C23	GW-C24	GW-C25	GW-C26	GW-C27	GW-C28	GW-C29	FIELD BLANK			
pH	pH units (on-site)	-	-	-	5.99	6.2	6.69	5.84	5.78	5.55	5.88	6.06	6.76	7.01	5.55	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT		
Specific Conductance	uS/cm (on-site)	-	-	-	16	19	41	15	15	21	39	25	58	68	14	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Temperature	°C (on-site)	-	-	-	16.4	17	18	15.7	16	15.7	15.3	18.1	16.5	17.3	17.9	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Turbidity	NTU (on-site)	0.1	-	-	24	40	367	306	102	456	92	54	62	687	94	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Antimony (Sb)	(µg/l)	6	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Arsenic (As)	(µg/l)	50	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Barium (Ba)	(µg/l)	20	20	2000	20	20	120	130	30	80	50	40	20	170	20	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Beryllium (Be)	(µg/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Cadmium (Cd)	(µg/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Chromium (Cr)	(µg/l)	10	10	100	ND	ND	30	10	ND	30	ND	ND	ND	ND	40	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Copper (Cu)	(µg/l)	20	60	1300	ND	ND	40	ND	ND	70	ND	ND	ND	ND	50	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Lead (Pb)	(µg/l)	15	15	15	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Nickel (Ni)	(µg/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Total Selenium (Se)	(µg/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Total Thallium (Tl)	(µg/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	30	20	ND	60	ND	ND	ND	ND	80	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	80	40	80	70	50	110	30	40	40	160	50	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Benzene	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromodichloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromoform *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloroform *	(µg/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Dibromochloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7	ND	ND	ND	ND	ND																															

**Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #9 (1-13-05)**

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GW-A-1	GW-A-2	GW-C-1	GW-C-2	GW-C-3	GW-C-4	GW-C-5	GW-C-6	GW-C-7	GW-C-7A	GW-C-8	GW-C-9	GW-C-10	GW-C-11	GW-C-12	GW-C-13	GW-C-14R	GW-C-15	GW-C-16	GW-C-17	GW-C-18	GW-C-19	GW-C-20	GW-C-21	GW-C-22	GW-C-23	GW-C-24	GW-C-25	GW-C-26	GW-C-27	GW-C-28	GW-C-29	FIELD BLANK				
pH	pH units (on-site)	-	-	-	5.06	5.75	6.6	6	5.42	5.35	5.4	5.95	6.92	6.69	5.27	5.18	5.99	5.9	6.54	6.3	NP	5.43	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP		
Specific Conductance	uS/cm (on-site)	-	-	-	101	56	48	37	20	31	53	41	85	76	18	19	38	25	47	38	NP	27	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Temperature	°C (on-site)	-	-	-	15.9	14.7	14.6	14.9	14.6	15	15.3	15.3	15.3	15.9	16.4	16.5	16.3	16.4	15	NP	16	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Turbidity	NTU (on-site)	0.1	-	-	23	65	263	147	52	80	152	45	231	45	108	2.27	24	74	32	14	NP	2.09	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Antimony (Sb)	(µg/l)	6	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Arsenic (As)	(µg/l)	50	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Barium (Ba)	(µg/l)	20	20	2000	ND	40	50	50	20	30	70	50	70	30	ND	ND	40	20	ND	NP	40	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Beryllium (Be)	(µg/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cadmium (Cd)	(µg/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Chromium (Cr)	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Copper (Cu)	(µg/l)	20	60	1300	ND	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Lead (Pb)	(µg/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Nickel (Ni)	(µg/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Selenium (Se)	(µg/l)	10	10	50	ND	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Thallium (Tl)	(µg/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Benzene	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromodichloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromofom *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloroform *	(µg/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Dibromochloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	5	ND</																																				

Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #10 (7-22-05)

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GA A1	GA A2	GW-C1	GW-C2	GW-C3	GW-C4	GW-C5	GW-C6	GW-C7	GW-C7A	GW-C8	GW-C9	GW-C10	GW-C11	GW-C12	GW-C13	GW-C14R	GW-C15	GW-C16	GW-C17	GW-C18	GW-C19	GW-C20	GW-C21	GW-C22	GW-C23	GW-C24	GW-C25	GW-C26	GW-C27	GW-C28	GW-C29	FIELD BLANK	
pH	pH units (on-site)	-	-	-	6.95	6.84	6.01	6.02	5.65	5.49	5.17	6	6.41	6.61	5.56	5.78	5.87	5.95	6.71	6.22	NP	5.85	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Specific Conductance	uS/cm (on-site)	-	-	-	19	27	72	16	16	24	37	32	56	49	12	15	24	29	24	21	NP	17	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Temperature	°C (on-site)	-	-	-	17.7	17.8	21	19.5	18.3	18.1	18.8	20.1	23.6	24.2	20.6	16.1	19.9	17.5	NP	NP	NP	24.7	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Turbidity	NTU (on-site)	0.1	-	-	19	107	5.2	27	9.59	44	35	8.12	20	53	7.93	474	6.25	4.21	295	NP	NP	29	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Antimony (Sb)	(µg/l)	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Arsenic (As)	(µg/l)	50	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Barium (Ba)	(µg/l)	20	20	2000	ND	30	ND	40	ND	ND	30	20	ND	30	ND	ND	260	ND	ND	90	NP	60	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Beryllium (Be)	(µg/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cadmium (Cd)	(µg/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Chromium (Cr)	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Copper (Cu)	(µg/l)	20	60	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Lead (Pb)	(µg/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Nickel (Ni)	(µg/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Selenium (Se)	(µg/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Thallium (Tl)	(µg/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	40	40	ND	ND	ND	50	30	180	30	50	NP	20	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Benzene	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromodichloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromofom *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloroform *	(µg/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dibromochloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
1,2-Dichlorobenzene	(µg/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
1,4-Dichlorobenzene	(µg/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
1,2-Dichloroethane	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
1,1-Dichloroethane (-ethylene)	(µg/l)	2	2	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
cis-1,2-Dichloroethane (-ethylene)	(µg/l)	2	2	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP												

**Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #14 (7-11-07)**

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GW-A-1	GW-A-2	GW-C-1	GW-C-2	GW-C-3	GW-C-4	GW-C-5	GW-C-6	GW-C-7	GW-C-7A	GW-C-8	GW-C-9	GW-C-10	GW-C-11	GW-C-12	GW-C-13	GW-C-14R	GW-C-15	GW-C-16	GW-C-17	GW-C-18	GW-C-19	GW-C-20	GW-C-21	GW-C-22	GW-C-23	GW-C-24	GW-C-25	GW-C-26	GW-C-27	GW-C-28	GW-C-29	FIELD BLANK						
pH	pH units (on-site)	-	-	-	4.99	5.61	6.62	5.75	5.67	5.43	5.45	5.94	5.72	5.95	4.64	4.44	5.48	5.84	NS	6.07	NP	5.38	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT						
Specific Conductance	uS/cm (on-site)	-	-	-	46	59	28	33	35	91	125	56	75	68	46	40	60	37	NS	44	NP	49	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT					
Temperature	°C (on-site)	-	-	-	17	17.5	19.2	18.3	18.5	18.7	19.6	19	21	25	19.3	18.7	20.1	21.3	NS	21.4	NP	21.2	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT					
Turbidity	NTU (on-site)	0.1	-	-	11	18	7.51	10	45	50	160	6.26	13	17	40	1.64	39	15	NS	65	NP	53	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT					
Total Antimony (Sb)	(ug/l)	6	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND					
Total Arsenic (As)	(ug/l)	50	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND					
Total Barium (Ba)	(ug/l)	20	20	2000	20	ND	ND	ND	20	20	90	30	ND	40	20	20	40	30	NS	50	NP	110	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND				
Total Beryllium (Be)	(ug/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND				
Total Cadmium (Cd)	(ug/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND				
Total Chromium (Cr)	(ug/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND				
Total Cobalt (Co)	(ug/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Copper (Cu)	(ug/l)	20	60	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Lead (Pb)	(ug/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Nickel (Ni)	(ug/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Selenium (Se)	(ug/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Silver (Ag)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Thallium (Tl)	(ug/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Vanadium (V)	(ug/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Zinc (Zn)	(ug/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Acetone	(ug/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Acrylonitrile	(ug/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Benzene	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Bromochloromethane	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Bromodichloromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Bromoform *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Carbon Disulfide	(ug/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Bromomethane (Methylbromide)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Carbon tetrachloride	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Chlorobenzene	(ug/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Chloroethane	(ug/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Chloroform *	(ug/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Chloromethane (Methylchloride)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Dibromochloromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Dibromomethane	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
1,2-Dichlorobenzene	(ug/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
1,4-Dichlorobenzene	(ug/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
trans-1,4-Dichloro-2butene	(ug/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
1,1-Dichloroethane	(ug/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,2-Dichloroethane	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NP	ND	NP	NP	NP																		

Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #21 (1-7-11)

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GW-A-1	GW-A-2	GW-C-1	GW-C-2	GW-C-3	GW-C-4	GW-C-5	GW-C-6	GW-C-7	GW-C-7A	GW-C-8	GW-C-9	GW-C-10	GW-C-11	GW-C-12R	GW-C-13R	GW-C-14R	GW-C-15	GW-C-16	GW-C-17	GW-C-18	GW-C-19	GW-C-20	GW-C-21	GW-C-22	GW-C-23	GW-C-24	GW-C-25	GW-C-26	GW-C-27	GW-C-28	GW-C-29	FIELD BLANK															
pH	pH units (on-site)	-	-	-	3.59	5.79	5.91	5.66	5.18	5.43	4.92	5.83	6.84	6.74	3.87	4.38	Dry	Dry	6.39	5.95	NP	5	6.11	5.39	5.51	7.18	7.12	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP											
Specific Conductance	uS/cm (on-site)	-	-	-	12	22	36	19	18	30	49	73	95	80	34	24	Dry	Dry	95	77	NP	32	34	39	48	160	180	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP								
Temperature	°C (on-site)	-	-	-	14.1	14.7	14.4	14.7	14.4	14.7	16.4	16.8	18.7	16.3	14.6	14	Dry	Dry	13.6	13.1	NP	13.1	15.6	13.1	14.2	14.2	13.9	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP								
Turbidity	NTU (on-site)	0.1	-	-	29	0	8	7	0	0	0	0	7	0	9	25	Dry	Dry	367	19	NP	0	9	2	74	0	0	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP								
Total Antimony (Sb)	(µg/l)	6	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP								
Total Arsenic (As)	(µg/l)	10	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP							
Total Barium (Ba)	(µg/l)	20	20	2000	ND	ND	ND	20.9	25.6	ND	37.3	53.2	ND	27.3	26	34.4	Dry	Dry	146	24.6	NP	49.8	20.8	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP						
Total Beryllium (Be)	(µg/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP				
Total Cadmium (Cd)	(µg/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP				
Total Chromium (Cr)	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP			
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP			
Total Copper (Cu)	(µg/l)	20	60	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP			
Total Lead (Pb)	(µg/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP			
Total Nickel (Ni)	(µg/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP		
Total Selenium (Se)	(µg/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP			
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP		
Total Thallium (Tl)	(µg/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	22.6	ND	ND	ND	ND	26.2	Dry	Dry	27.4	ND	NP	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP		
Acrylonitrile	(µg/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Benzene	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP		
Bromodichloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromoforn *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromomethane (Methylbromide)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Carbon tetrachloride	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chlorobenzene	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Chloroforn *	(µg/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	NP	ND	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dibromochloromethane *	(µg/l)	10	10	80	ND																																															

Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #22 (7-7-11)

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10	GWC-11	GWC-12R	GWC-13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	FIELD BLANK						
pH	pH units (on-site)	-	-	-	4.43	5.16	6.08	5.69	5.22	5.16	5.04	4.93	6.35	6.08	4.61	4.78	Dry	5.17	6.18	5.84	NP	5.21	5.43	5.27	5.37	5.99	7.43	4.65	NP	NP	NP	NP	NP	NP	NP	NP	ND						
Specific Conductance	uS/cm (on-site)	-	-	-	10	23	33	19	18	30	53	77	91	76	100	35	Dry	28	143	65	NP	28	35	35	18	55	161	25	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND					
Temperature	°C (on-site)	-	-	-	15.2	16.9	14.9	15.2	15.2	16.9	17.5	18.3	17.9	18.4	16.3	18.9	Dry	17.1	17.3	16.7	NP	17.3	16.4	15.8	15.7	19.8	15.8	14.9	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND					
Turbidity	NTU (on-site)	0.1	-	-	80	1	7	0	0	0	0	0	3	52	2	Dry	103	275	9	NP	9	4	4	132	0	9	0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND					
Total Antimony (Sb)	(ug/l)	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND					
Total Arsenic (As)	(ug/l)	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND				
Total Barium (Ba)	(ug/l)	20	20	2000	21.8	ND	ND	ND	21.4	ND	32.5	61.8	ND	27.2	58.9	35.6	Dry	67.5	148	23.3	NP	57.3	20.2	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND				
Total Beryllium (Be)	(ug/l)	3	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND				
Total Cadmium (Cd)	(ug/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND				
Total Chromium (Cr)	(ug/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Cobalt (Co)	(ug/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Copper (Cu)	(ug/l)	20	60	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Lead (Pb)	(ug/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Nickel (Ni)	(ug/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Selenium (Se)	(ug/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Silver (Ag)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND			
Total Thallium (Tl)	(ug/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Total Vanadium (V)	(ug/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Total Zinc (Zn)	(ug/l)	20	20	NE	ND	ND	ND	ND	23.3	ND	ND	ND	ND	ND	ND	Dry	ND	44	24.3	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Acetone	(ug/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Acrylonitrile	(ug/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND		
Benzene	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Bromochloromethane	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Bromodichloromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Bromoforn *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Carbon Disulfide	(ug/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Bromomethane (Methylbromide)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Carbon tetrachloride	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Chlorobenzene	(ug/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Chloroethane	(ug/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Chloroform *	(ug/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Chloromethane (Methylchloride)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Dibromochloromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Dibromomethane	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,2-Dichlorobenzene	(ug/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
1,4-Dichlorobenzene	(ug/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
trans-1,4-Dichloro-2butene	(ug/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
1,1-Dichloroethane	(ug/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,2-Dichloroethane	(ug/l)	2	2	5																																							

Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #23 (1-5-12)

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10	GWC-11	GWC-12R	GWC-13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	FIELD BLANK					
pH	pH units (on-site)	-	-	-															4.89	6.52	5.99	NP	5.53	6.03	5.74	Dry	7.27	7.11	6.22	NP	NP	NP	NP	NP	NP	NP	NP					
Specific Conductance	µS/cm (on-site)	-	-	-	4.34	4.74	5.54	4.97	4.31	4.81	4.65	5.41	6.39	6.34	4.51	Dry	Dry		23	149	68	NP	13	41	40	Dry	63	156	57	NP	NP	NP	NP	NP	NP	NP	NP					
Temperature	°C (on-site)	-	-	-	13.8	15.1	14	14.5	14	14.4	15.7	16.4	16.2	17	19.5	Dry	Dry		15.3	15.7	15.2	NP	13.2	15.5	14.8	Dry	11.6	13	13	NP	NP	NP	NP	NP	NP	NP	NP	NP				
Turbidity	NTU (on-site)	0.1	-	-	80	0	10	25	7	3	0	0			7	Dry	Dry		41	191	0	NP	321	170	26	Dry	116	8	119	NP	NP	NP	NP	NP	NP	NP	NP	NP				
Total Antimony (Sb)	(µg/l)	6	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP			
Total Arsenic (As)	(µg/l)	10	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP		
Total Barium (Ba)	(µg/l)	20	20	2000	22.6	ND	ND	24.1	22.8	21	36.6	69.1	ND	28.3	65.9	Dry	Dry		33	104	22	NP	53.5	61.6	36.1	Dry	23.5	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP		
Total Beryllium (Be)	(µg/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP		
Total Cadmium (Cd)	(µg/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Chromium (Cr)	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Copper (Cu)	(µg/l)	20	60	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Lead (Pb)	(µg/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Nickel (Ni)	(µg/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Selenium (Se)	(µg/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Thallium (Tl)	(µg/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	24.2	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	27.8	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND	
Acrylonitrile	(µg/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Benzene	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromodichloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromofrom *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromomethane (Methylbromide)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Carbon tetrachloride	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chlorobenzene	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloroform *	(µg/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dibromochloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,2-Dichlorobenzene	(µg/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,4-Dichlorobenzene	(µg/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,2-Dichloroethane	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry		ND	ND	NP	ND	ND	ND	Dry	ND	ND	ND														

Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #26 (7-3-13)

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10D	GWC-11	GWC-12R	GWC-13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	FIELD BLANK		
pH	pH units (on-site)	-	-	-	3.51	5.08	5.89	4.67	4.78	4.16	4.77	4.96	6.41	5.48	3.63	5.41	5.29	4.3	5.28	5.41	NP	4.78	5.27	5.06	5.51	5.73	7.58	4.41	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Specific Conductance	uS/cm (on-site)	-	-	-	8	25	36	16	20	21	46	67	92	65	72	89	32	22	102	65	NP	69	36	49	20	39	150	29	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Temperature	°C (on-site)	-	-	-	15.7	16.9	16.9	17.3	17.5	17	19.6	21.5	19.4	19.6	17.1	17.6	17.6	18.4	19.1	18.6	NP	17.8	18	16.5	20.3	18.8	19.2	15.8	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Turbidity	NTU (on-site)	0.1	-	-	68	3	9	8	2	9	3	4	8	0	0	1	0	18	11	8	NP	16	10	15	9	18	3	12	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Antimony (Sb)	(ug/l)	6	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Arsenic (As)	(ug/l)	10	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Barium (Ba)	(ug/l)	20	20	2000	26.6	ND	ND	ND	21.6	ND	36.5	63.9	ND	26.8	54.8	37.6	ND	45.6	ND	NP	48.7	23.7	38	ND	ND	22.2	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Beryllium (Be)	(ug/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cadmium (Cd)	(ug/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Chromium (Cr)	(ug/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cobalt (Co)	(ug/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Copper (Cu)	(ug/l)	20	60	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Lead (Pb)	(ug/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Nickel (Ni)	(ug/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Selenium (Se)	(ug/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Silver (Ag)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Thallium (Tl)	(ug/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Vanadium (V)	(ug/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Zinc (Zn)	(ug/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	38.1	ND	ND	ND	21.7	ND	34.5	ND	NP	ND	ND	ND	ND	ND	ND	25.4	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Acetone	(ug/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Acrylonitrile	(ug/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Benzene	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromochloromethane	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromodichloromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromofom *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Carbon Disulfide	(ug/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromomethane (Methylbromide)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Carbon tetrachloride	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chlorobenzene	(ug/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloroethane	(ug/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloroform *	(ug/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloromethane (Methylchloride)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Dibromochloromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Dibromomethane	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,2-Dichlorobenzene	(ug/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,4-Dichlorobenzene	(ug/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
trans-1,4-Dichloro-2butene	(ug/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,1-Dichloroethane	(ug/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,2-Dichloroethane	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,1-Dichloroethene (ethylene)	(ug/l)	2	2	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
cis-1,2-Dichloroethene (ethylene)	(ug/l)	2	2	70	ND																																		

Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #30 (7-8-15)

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GA-A-1	GA-A-2	GW-C-1	GW-C-2	GW-C-3	GW-C-4	GW-C-5	GW-C-6	GW-C-7	GW-C-7A	GW-C-8	GW-C-9	GW-C-10D	GW-C-11	GW-C-12R	GW-C-13R	GW-C-14R	GW-C-15	GW-C-16	GW-C-17	GW-C-18	GW-C-19	GW-C-20	GW-C-21	GW-C-22	GW-C-23	GW-C-24	GW-C-25	GW-C-26	GW-C-27	GW-C-28	GW-C-29	FIELD BLANK					
pH	pH units (on-site)	-	-	-	-	4.74	3.74	5.01	4.34	4.46	4.75	4.89	5.2	6.14	5.92	4.21	5.47	5.71	5.54	5.58	5.76	5.91	5.4	5.25	5.5	5.24	5.74	6.56	7.54	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT			
Specific Conductance	uS/cm (on-site)	-	-	-	19	24	36	19	20	29	68	86	96	80	123	168	42	37	231	105	301	30	45	75	46	44	131	24	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT		
Temperature	°C (on-site)	-	-	-	14.8	15.7	15.6	16.3	16.6	15.8	16.7	17.9	19.2	18.8	16.5	17.3	17.2	16.3	17.3	15.2	19.3	20.1	15.6	16.7	20.6	17.7	16.1	17	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT		
Turbidity	NTU (on-site)	0.1	-	-	0	7	8	9	0	0	0	0	0	8	3	0	1	6	9	9	0	0	7	0	11	8	6	4	6	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT	
Total Antimony (Sb)	(ug/l)	6	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT	
Total Arsenic (As)	(ug/l)	10	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT	
Total Barium (Ba)	(ug/l)	20	20	2000	ND	ND	ND	34.9	ND	ND	28.9	67.6	ND	27.1	72.5	160	26.4	24.3	41	28	69.8	65.4	22.8	28.6	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Beryllium (Be)	(ug/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Cadmium (Cd)	(ug/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Chromium (Cr)	(ug/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Cobalt (Co)	(ug/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Copper (Cu)	(ug/l)	20	60	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Lead (Pb)	(ug/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Nickel (Ni)	(ug/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Selenium (Se)	(ug/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Silver (Ag)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Thallium (Tl)	(ug/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Vanadium (V)	(ug/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Total Zinc (Zn)	(ug/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NT
Acetone	(ug/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Acrylonitrile	(ug/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Benzene	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromochloromethane	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromodichloromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromofrom *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Carbon Disulfide	(ug/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Bromomethane (Methylbromide)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Carbon tetrachloride	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chlorobenzene	(ug/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloroethane	(ug/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloroform *	(ug/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Chloromethane (Methylchloride)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Dibromochloromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
Dibromomethane	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,2-Dichlorobenzene	(ug/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,4-Dichlorobenzene	(ug/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
trans-1,4-Dichloro-2butene	(ug/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
1,1-Dichloroethane	(ug/l)	2	2	NE	ND	ND	ND	ND																																		

**Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #35 (1-4-18)**

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10B	GWC-11	GWC-12R	GWC-13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	FIELD BLANK				
pH	pH units (on-site)	-	-	-	4.54	5.24	5.88	5.48	4.98	5.13	5.07	5.14	6.42	6.1	4.68	4.11	5.15	4.71	5.93	5.71	5.81	5.07	5.21	5.11	5.7	5.55	7.01	5.14	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP			
Specific Conductance	uS/cm (on-site)	-	-	-	9	15	23	25	11	17	51	64	76	65	69	219	35	179	339	90	147	23	68	61	36	38	107	25	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP		
Temperature	°C (on-site)	-	-	-	13.3	14.4	16.4	15.7	14	14.1	14.5	16.9	16.6	17.4	17.3	17.5	14.8	15.6	10.4	11.7	13.2	14.2	15.1	14.7	13.8	11.8	13.6	12.9	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP		
Turbidity	NTU (on-site)	0.1	-	-	8	3	4	1100	4	8	3	3	8	4	8	1	8	8	9	6	3	9	1	9	9	8	8	4	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Antimony (Sb)	(ug/l)	6	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Arsenic (As)	(ug/l)	10	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Barium (Ba)	(ug/l)	20	20	2000	ND	ND	ND	21.8	ND	ND	33.5	71.4	ND	29.2	53.7	366	34.7	205	55.9	35.5	44.1	77.1	63.3	30.9	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Beryllium (Be)	(ug/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Cadmium (Cd)	(ug/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Chromium (Cr)	(ug/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cobalt (Co)	(ug/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	208	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Copper (Cu)	(ug/l)	20	60	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Lead (Pb)	(ug/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Nickel (Ni)	(ug/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Selenium (Se)	(ug/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Silver (Ag)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Total Thallium (Tl)	(ug/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Vanadium (V)	(ug/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Zinc (Zn)	(ug/l)	20	20	NE	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND	155	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Acetone	(ug/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Acrylonitrile	(ug/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Benzene	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Bromochloromethane	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Bromodichloromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Bromofluoromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Carbon Disulfide	(ug/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Bromomethane (Methylbromide)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Carbon tetrachloride	(ug/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Chlorobenzene	(ug/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Chloroethane	(ug/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Chloroform *	(ug/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Chloromethane (Methylchloride)	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dibromochloromethane *	(ug/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dibromomethane	(ug/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
1,2-Dichlorobenzene	(ug/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
1,4-Dichlorobenzene	(ug/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
trans-1,4-Dichloro-2butene	(ug/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
1,1-Dichloroethane	(ug/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
1,2-Dichloroethane	(ug/l)	2	2	5	ND	ND	ND																																		

Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #39 (1-8-20)

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10D	GWC-11	GWC-12R	GWC-13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	FIELD BLANK			
pH	pH units (on-site)	-	-	-	4.34	5.63	5.96	5.57	5.34	4.73	4.66	5.46	6.64	6.23	4.65	4.21	5.01	4.8	5.64	5.9	5.63	5.23	4.98	5.41	5.28	5.87	7.26	5.17	NP	NP		5.41	5.02	4.99	4.77	5.38	4.56	NT		
Specific Conductance	uS/cm (on-site)	-	-	-	10	24	28	17	16	32	41	79	90	341	60	434	465	126	112	34	144	75	23	64	123	56	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Temperature	°C (on-site)	-	-	-	15.6	14.4	16.7	13.7	14.3	15.8	17	17.9	18.4	18.8	19	17.9	17.4	16.5	16.7	15.9	15.3	15.3	16.4	16.4	15.8	14.8	15.9	14.3	17.4	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Turbidity	NTU (on-site)	0.1	-	-	1	2	6	10	10	0	2	1	0	5	0	1	1	3	10	1	0	3	9	9	7	4	1	1	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Antimony (Sb)	(µg/l)	6	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Arsenic (As)	(µg/l)	10	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Barium (Ba)	(µg/l)	20	20	2000	ND	ND	ND	ND	ND	26	36	69	ND	32	47	370	43	420	70	40	25	85	130	36	28	25	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Beryllium (Be)	(µg/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cadmium (Cd)	(µg/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Chromium (Cr)	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Copper (Cu)	(µg/l)	20	60	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Lead (Pb)	(µg/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Nickel (Ni)	(µg/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Selenium (Se)	(µg/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Thallium (Tl)	(µg/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Acrylonitrile	(µg/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Benzene	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	2.7	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Bromochloroethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Bromodichloroethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromofom *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Bromomethane (Methylbromide)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Carbon tetrachloride	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chlorobenzene	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloroform *	(µg/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Dibromochloroethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,2-Dichlorobenzene	(µg/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,4-Dichlorobenzene	(µg/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,2-Dichloroethane	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
1,1-Dichloroethene (-ethylene)	(µg/l)	2																																						

**Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #N3 New wells (9-16-20)**

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GW-A1	GW-A2	GW-C1	GW-C2	GW-C3	GW-C4	GW-C5	GW-C6	GW-C7	GW-C7A	GW-C8	GW-C9	GW-C10B	GW-C11	GW-C12R	GW-C13R	GW-C14R	GW-C-15	GW-C-16	GW-C-17	GW-C-18	GW-C-19	GW-C-20	GW-C-21	GW-C-22	GW-C-23	GW-C-24	GW-C-25	GW-C-26	GW-C-27	GW-C-28	GW-C-29	FIELD BLANK		
pH	pH units (on-site)	-	-	-	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Specific Conductance	uS/cm (on-site)	-	-	-	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Temperature	°C (on-site)	-	-	-	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Turbidity	NTU (on-site)	0.1	-	-	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Antimony (Sb)	(µg/l)	6	6	6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Arsenic (As)	(µg/l)	10	10	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Barium (Ba)	(µg/l)	20	20	2000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Beryllium (Be)	(µg/l)	3	3	4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Cadmium (Cd)	(µg/l)	5	5	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Chromium (Cr)	(µg/l)	10	10	100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Cobalt (Co)	(µg/l)	40	40	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Copper (Cu)	(µg/l)	20	60	1300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Lead (Pb)	(µg/l)	15	15	15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Nickel (Ni)	(µg/l)	20	20	100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Selenium (Se)	(µg/l)	10	10	50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Silver (Ag)	(µg/l)	10	10	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Thallium (Tl)	(µg/l)	2	2	2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Vanadium (V)	(µg/l)	20	20	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Total Zinc (Zn)	(µg/l)	20	20	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Acetone	(µg/l)	100	100	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Acrylonitrile	(µg/l)	50	50	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Benzene	(µg/l)	2	2	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Bromochloromethane	(µg/l)	10	10	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Bromodichloromethane *	(µg/l)	10	10	80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Bromoform *	(µg/l)	10	10	80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Carbon Disulfide	(µg/l)	5	5	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Bromomethane (Methylbromide)	(µg/l)	10	10	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Carbon tetrachloride	(µg/l)	2	2	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Chlorobenzene	(µg/l)	10	10	100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Chloroethane	(µg/l)	2	2	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Chloroform *	(µg/l)	2	2	80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Dibromochloromethane *	(µg/l)	10	10	80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromomethane	(µg/l)	10	10	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1,2-Dichlorobenzene	(µg/l)	10	10	600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1,4-Dichlorobenzene	(µg/l)	10	10	75	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1,1-Dichloroethane	(µg/l)	2	2	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1,2-Dichloroethane	(µg/l)	2	2	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1,1,1-Dichloroethane (-ethylene)	(µg/l)	2	2	7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
cis-1,2-Dichloroethane (-ethylene)	(µg/l)	2	2	70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
trans-1,2-Dichloroethane (-ylene)	(µg/l)																																						

Eagle Point MSW Landfill - Forsyth Co., GA
Groundwater Sampling Event #43 (1-5-22)

TEST	UNITS	LAB MDL	GA PQL	GA MCL	GW-A-1	GW-A-2	GW-C-1	GW-C-2	GW-C-3	GW-C-4	GW-C-5	GW-C-6	GW-C-7	GW-C-7A	GW-C-8	GW-C-9	GW-C-10B	GW-C-11	GW-C-12R	GW-C-13R	GW-C-14R	GW-C-15	GW-C-16	GW-C-17	GW-C-18	GW-C-19	GW-C-20	GW-C-21	GW-C-22	GW-C-23	GW-C-24	GW-C-25	GW-C-26	GW-C-27	GW-C-28	GW-C-29	FIELD BLANK		
pH	pH units (on-site)	-	-	-	5.03	5.44	5.97	5.39	5.2	5.02	4.93	5.55	6.6	6.33	4.61	4.46	5.19	4.61	5.55	5.75	6.18	4.9	5.16	5.4	5.31	5.92	7.4	5.4	5.47	6.16	5.76	5.27	5.14	5.55	6.06	5.44	NT		
Specific Conductance	uS/cm (on-site)	-	-	-	18	26	36	18	18	48	44	107	111	99	85	599	152	629	639	169	84	52	231	79	34	98	146	60	32	40	36	47	77	27	47	25	NT		
Temperature	°C (on-site)	-	-	-	14.4	15.1	14.1	14.6	11.6	15.5	17	15.6	17.1	17.7	19	15.8	16	16.9	15.1	15.3	14.8	15	16.1	15.3	14.9	13.2	14.2	14.5	14	13.6	13.9	14.4	15.4	15.4	14.6	15.3	NT		
Turbidity	NTU (on-site)	0.1	-	-	1	4	9	10	1	0	1	2	3	2	1	1	1	2	10	1	2	1	1	28	4	3	0	1	1	2	1	5	1	1	1	1	NT		
Total Antimony (Sb)	(µg/l)	6	6	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Arsenic (As)	(µg/l)	10	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Barium (Ba)	(µg/l)	20	20	2000	ND	ND	ND	21	21	37	44	72	ND	35	48	230	110	590	110	52	ND	130	140	46	28	29	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND		
Total Beryllium (Be)	(µg/l)	3	3	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Cadmium (Cd)	(µg/l)	5	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Chromium (Cr)	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Cobalt (Co)	(µg/l)	6	40	NE	ND	ND	ND	ND	ND	9.5	ND	ND	ND	27	94	ND	110	110	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Copper (Cu)	(µg/l)	20	60	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Lead (Pb)	(µg/l)	15	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Nickel (Ni)	(µg/l)	20	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Selenium (Se)	(µg/l)	10	10	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Thallium (Tl)	(µg/l)	2	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68	ND	97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acrylonitrile	(µg/l)	50	50	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzene	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromoforn *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromomethane (Methylbromide)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon tetrachloride	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	(µg/l)	10	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	(µg/l)	5	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroforn *	(µg/l)	2	2	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane *	(µg/l)	10	10	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	(µg/l)	10	10	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	(µg/l)	10	10	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2butene	(µg/l)	5	100	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	(µg/l)	2	2	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane (-ethylene)	(µg/l)	2	2	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethane (-ethylene)	(µg/l)	2	2	70	ND	ND	ND	ND	ND																														

APPENDIX C
Summary Tables of Underdrain Analytical Results

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #2 (4-15-02)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.35	NP	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	75	NP	NP	NP	NT
Temperature	°C (on-site)	-	-	32	17.1	NP	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	2.47	NP	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	NP	NP	NP	ND
Total Arsenic (As)	(µg/l)	50	10	50	ND	NP	NP	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	50	NP	NP	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	NP	NP	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	NP	NP	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	NP	NP	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	NP	NP	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	NP	NP	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	NP	NP	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	NP	NP	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	NP	NP	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	30	NP	NP	NP	ND
Acetone	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	NP	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	NP	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	NP	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	NP	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	NP	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	NP	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	NP	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	NP	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	NP	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	NP	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	NP	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	NP	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	NP	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	NP	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	NP	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	NP	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	NP	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	NP	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	NP	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	NP	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	NP	NP	NP	ND
Toluene	(µg/l)	2	2	5980	13	NP	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	NP	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	NP	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	NP	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	NP	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	NP	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #5 (2-28-03)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.1	NP	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	69	NP	NP	NP	NT
Temperature	°C (on-site)	-	-	32	12.6	NP	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	7.13	NP	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	NP	NP	NP	NT
Total Arsenic (As)	(µg/l)	50	10	50	ND	NP	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	60	NP	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	NP	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	NP	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	NP	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	NP	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	NP	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	NP	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	NP	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	NP	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	NP	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	NP	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	NP	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	80	NP	NP	NP	NT
Acetone	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	NP	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	NP	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	NP	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	NP	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	NP	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	NP	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	NP	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	NP	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	NP	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	NP	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	NP	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	NP	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	NP	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	NP	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	NP	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	NP	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	NP	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	NP	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	NP	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	NP	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	NP	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	NP	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	NP	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	NP	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	NP	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	NP	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	NP	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #6 (7-23-03)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.83	NP	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	60	NP	NP	NP	NT
Temperature	°C (on-site)	-	-	32	18.6	NP	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	2.51	NP	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	NP	NP	NP	NT
Total Arsenic (As)	(µg/l)	50	10	50	ND	NP	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	30	NP	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	NP	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	NP	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	NP	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	NP	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	NP	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	NP	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	NP	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	NP	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	NP	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	NP	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	NP	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	30	NP	NP	NP	NT
Acetone	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	NP	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	NP	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	NP	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	NP	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	6	NP	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	NP	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	NP	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	NP	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	NP	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	NP	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	NP	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	NP	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	NP	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	NP	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	NP	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	NP	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	NP	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	NP	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	NP	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	NP	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	NP	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	NP	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	NP	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	NP	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	NP	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	NP	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	NP	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	NP	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #7 (1-6-04)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.21	NP	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	91	NP	NP	NP	NT
Temperature	°C (on-site)	-	-	32	12.2	NP	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	3.38	NP	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	NP	NP	NP	ND
Total Arsenic (As)	(µg/l)	50	10	50	ND	NP	NP	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	40	NP	NP	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	NP	NP	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	60	NP	NP	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	NP	NP	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	NP	NP	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	NP	NP	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	NP	NP	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	NP	NP	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	NP	NP	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	NP	NP	NP	ND
Acetone	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	NP	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	NP	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	NP	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	NP	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	NP	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	NP	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	NP	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	NP	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	NP	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	NP	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	NP	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	NP	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	NP	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	NP	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	NP	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	NP	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	NP	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	NP	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	NP	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	NP	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	NP	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	NP	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	NP	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	NP	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	NP	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	NP	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	NP	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #8 (7-7-04)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.08	NP	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	64	NP	NP	NP	NT
Temperature	°C (on-site)	-	-	32	17.8	NP	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	24	NP	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	NP	NP	NP	NT
Total Arsenic (As)	(µg/l)	50	10	50	ND	NP	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	40	NP	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	NP	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	NP	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	NP	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	NP	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	NP	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	NP	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	NP	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	NP	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	NP	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	NP	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	NP	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	NP	NP	NP	NT
Acetone	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	NP	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	NP	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	NP	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	NP	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	NP	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	NP	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	NP	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	NP	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	NP	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	NP	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	NP	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	NP	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	NP	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	NP	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	NP	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	NP	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	NP	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	NP	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	NP	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	NP	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	NP	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	NP	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	NP	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	NP	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	NP	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	NP	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	NP	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	NP	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	NP	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	NP	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	NP	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #9 (1-12-05)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.12	6.22	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	55	107	NP	NP	NT
Temperature	°C (on-site)	-	-	32	16.9	13.5	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	64	6.92	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	NP	NP	NT
Total Arsenic (As)	(µg/l)	50	10	50	ND	ND	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	40	ND	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	50	ND	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #10 (7-21-05)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.08	6.71	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	287	171	NP	NP	NT
Temperature	°C (on-site)	-	-	32	19.5	27.3	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	22	8.22	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	NP	NP	NT
Total Arsenic (As)	(µg/l)	50	10	50	ND	ND	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	30	30	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	40	ND	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #11 (1-18-06)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.47	6.56	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	137	65	NP	NP	NT
Temperature	°C (on-site)	-	-	32	12.9	6.1	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	270	14	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	NP	NP	NT
Total Arsenic (As)	(µg/l)	50	10	50	ND	ND	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	50	ND	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	40	ND	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #12 (7-6-06)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	Dry	6.36	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	Dry	52	NP	NP	NT
Temperature	°C (on-site)	-	-	32	Dry	19.2	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	Dry	7.02	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	Dry	ND	NP	NP	NT
Total Arsenic (As)	(µg/l)	50	10	50	Dry	ND	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	Dry	20	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	Dry	ND	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	Dry	ND	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	Dry	ND	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	Dry	ND	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	Dry	ND	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	Dry	ND	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	Dry	ND	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	Dry	ND	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	Dry	ND	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	Dry	ND	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	Dry	ND	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	Dry	ND	NP	NP	NT
Acetone	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	Dry	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	Dry	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	Dry	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	Dry	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	Dry	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	Dry	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	Dry	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	Dry	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	Dry	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	Dry	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	Dry	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	Dry	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	Dry	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	Dry	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	Dry	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	Dry	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	Dry	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	Dry	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	Dry	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	Dry	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	Dry	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	Dry	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	Dry	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	Dry	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	Dry	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	Dry	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	Dry	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	Dry	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	Dry	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #13 (1-4-07)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.49	6.74	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	474	80	NP	NP	NT
Temperature	°C (on-site)	-	-	32	16.3	12.6	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	520	9.36	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	NP	NP	NT
Total Arsenic (As)	(µg/l)	50	10	50	160	ND	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	60	30	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #14 (7-11-07)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	Dry	6.43	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	Dry	87	NP	NP	NT
Temperature	°C (on-site)	-	-	32	Dry	19.8	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	Dry	4.65	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	Dry	ND	NP	NP	ND
Total Arsenic (As)	(µg/l)	50	10	50	Dry	ND	NP	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	Dry	20	NP	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	Dry	ND	NP	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	Dry	ND	NP	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	Dry	ND	NP	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	Dry	ND	NP	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	Dry	ND	NP	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	Dry	ND	NP	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	Dry	ND	NP	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	Dry	ND	NP	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	Dry	ND	NP	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	Dry	ND	NP	NP	ND
Acetone	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	Dry	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	Dry	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	Dry	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	Dry	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	Dry	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	Dry	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	Dry	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	Dry	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	Dry	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	Dry	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	Dry	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	Dry	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	Dry	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	Dry	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	Dry	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	Dry	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	Dry	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	Dry	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	Dry	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	Dry	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	Dry	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	Dry	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	Dry	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	Dry	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	Dry	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	Dry	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	Dry	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	Dry	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	Dry	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #15 (1-3-08)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.69	6.54	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	173	149	NP	NP	NT
Temperature	°C (on-site)	-	-	32	13.3	9.2	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	34	0.3	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	NP	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	50	ND	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	50	30	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #16 (7-2-08)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6	4.92	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	173	118	NP	NP	NT
Temperature	°C (on-site)	-	-	-	21.8	17.8	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	>1000	5.77	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	NP	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	ND	10	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	1100	30	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	7	ND	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	20	ND	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	150	ND	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	50	ND	NP	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #17 (1-5-09)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.11	6.19	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	224	139	NP	NP	NT
Temperature	°C (on-site)	-	-	32	13.5	11.9	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	195	22	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	NP	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	ND	ND	NP	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	62	51	NP	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	NP	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	NP	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	NP	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	NP	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	NP	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	NP	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	NP	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	NP	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	NP	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	32	ND	NP	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	0.26	0.20	NE	ND	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	0.18	0.05	NE	ND	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #18 (7-6-09)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	Dry	4.48	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	Dry	160	NP	NP	NT
Temperature	°C (on-site)	-	-	32	Dry	19.2	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	Dry	0	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	Dry	ND	NP	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	Dry	ND	NP	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	Dry	37	NP	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	Dry	ND	NP	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	Dry	ND	NP	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	Dry	ND	NP	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	Dry	ND	NP	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	Dry	ND	NP	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	Dry	ND	NP	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	Dry	ND	NP	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	Dry	ND	NP	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	Dry	ND	NP	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	Dry	ND	NP	NP	ND
Acetone	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	Dry	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	Dry	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	Dry	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	Dry	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	Dry	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	Dry	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	Dry	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	Dry	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	Dry	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	Dry	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	Dry	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	Dry	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	Dry	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	Dry	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	Dry	2.5	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	Dry	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	Dry	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	Dry	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	Dry	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	Dry	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	Dry	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	Dry	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	Dry	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	Dry	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	Dry	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	Dry	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	Dry	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	Dry	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	Dry	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	Dry	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	Dry	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	Dry	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	Dry	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #19 (1-6-10)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.89	5.8	NP	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	221	132	NP	NP	NT
Temperature	°C (on-site)	-	-	32	21.7	12.1	NP	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	27	8	NP	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	NP	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	23	ND	NP	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	43	32	NP	NP	23
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	NP	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	NP	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	NP	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	NP	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	NP	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	NP	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	NP	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	NP	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	NP	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	NP	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	NP	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	NP	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	NP	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	NP	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	NP	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	NP	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	NP	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	NP	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	NP	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	NP	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	NP	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	NP	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	NP	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	NP	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	NP	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	NP	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	NP	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	NP	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	NP	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	NP	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	NP	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	NP	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	NP	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	NP	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	NP	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	NP	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	NP	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	NP	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6
11. SWC-5 was re-sampled on 4/23/10.

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #20 (7-8-10)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.02	5.6	Dry	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	200	146	Dry	NP	NT
Temperature	°C (on-site)	-	-	32	20.3	21	Dry	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	100	4	Dry	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	Dry	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	ND	ND	Dry	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	66	33	Dry	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	Dry	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	Dry	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	Dry	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	Dry	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	Dry	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	Dry	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	Dry	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	Dry	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	Dry	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	Dry	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	Dry	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	Dry	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	Dry	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	Dry	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	Dry	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	Dry	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	Dry	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	Dry	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	Dry	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	Dry	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	Dry	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	Dry	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	Dry	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	Dry	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	Dry	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	Dry	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	Dry	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	Dry	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	Dry	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	Dry	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	Dry	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	Dry	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	Dry	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	1	0.20	NE	ND	ND	Dry	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	1	0.05	NE	ND	ND	Dry	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6
11. SWC-5 was re-sampled on 9/28/10.

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #21 (1-7-11)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.22	5.1	Dry	NP	ND
Specific Conductance	uS/cm (on-site)	1	-	NE	220	126	Dry	NP	ND
Temperature	°C (on-site)	-	-	32	19.9	19.8	Dry	NP	ND
Turbidity	NTU (on-site)	0.1	-	NE	0	0	Dry	NP	ND
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	Dry	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	20.2	ND	Dry	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	40.9	34.2	Dry	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	Dry	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	Dry	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	Dry	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	Dry	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	Dry	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	Dry	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	Dry	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	Dry	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	Dry	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	Dry	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	Dry	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	Dry	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	Dry	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	Dry	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	Dry	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	Dry	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	Dry	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	Dry	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	Dry	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	Dry	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	Dry	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	2	Dry	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	Dry	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	Dry	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	Dry	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	Dry	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	Dry	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	Dry	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	Dry	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	Dry	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	Dry	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	Dry	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	Dry	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #22 (7-5-11)

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.51	5.67	Dry	NP	ND
Specific Conductance	uS/cm (on-site)	1	-	NE	415	141	Dry	NP	ND
Temperature	°C (on-site)	-	-	32	19.9	20.7	Dry	NP	ND
Turbidity	NTU (on-site)	0.1	-	NE	26	25	Dry	NP	ND
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	Dry	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	27	17.9	Dry	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	42.3	34.7	Dry	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	Dry	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	Dry	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	Dry	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	Dry	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	Dry	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	Dry	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	Dry	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	Dry	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	Dry	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	Dry	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	Dry	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	Dry	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	Dry	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	Dry	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	Dry	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	Dry	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	Dry	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	Dry	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	Dry	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	Dry	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	Dry	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	2.7	Dry	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	Dry	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	Dry	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	Dry	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	Dry	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	Dry	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	Dry	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	Dry	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	Dry	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	Dry	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	Dry	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	Dry	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #23 (1-5-12)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.14	5.97	6.01	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	278	198	138	NP	NT
Temperature	°C (on-site)	-	-	32	18.1	17.9	14.3	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	0	0	0	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	35.4	67	15.6	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	45	41.5	20.9	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	NP	ND
Carbon tetrachloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	3.3	ND	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Vinyl acetate	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Vinyl chloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #24 (7-5-12)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.79	5.25	Dry	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	247	151	Dry	NP	NT
Temperature	°C (on-site)	-	-	32	23.2	23.5	Dry	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	10	7	Dry	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	Dry	NP	NT
Total Arsenic (As)	(µg/l)	5	10	50	44	40.4	Dry	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	45.2	54.0	Dry	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	Dry	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	Dry	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	Dry	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	Dry	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	Dry	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	Dry	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	Dry	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	Dry	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	Dry	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	Dry	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	Dry	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	Dry	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	Dry	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	Dry	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	Dry	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	Dry	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	Dry	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	Dry	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	Dry	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	Dry	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	Dry	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	Dry	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	Dry	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	Dry	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	3.6	Dry	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	Dry	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	Dry	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	Dry	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	Dry	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	Dry	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	Dry	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	Dry	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	Dry	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	Dry	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	Dry	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	Dry	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. NE = Not Established; GEPA has not established a MCL
9. MDL = Laboratory Method Detection Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6
11. SWC-6 was **sampled on 10-10-12**

Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #4th Quarter 2012 (10-10-12)

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	NS	5.46	NS	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	NS	156	NS	NP	NT
Temperature	°C (on-site)	-	-	32	NS	22.4	NS	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	NS	0	NS	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	NS	ND	NS	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	NS	33.3	NS	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	NS	40.6	NS	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	NS	ND	NS	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	NS	ND	NS	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	NS	ND	NS	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	NS	ND	NS	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	NS	ND	NS	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	NS	ND	NS	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	NS	ND	NS	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	NS	ND	NS	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	NS	ND	NS	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	NS	ND	NS	NP	NT
Acetone	(µg/l)	100	100	NE	NS	ND	NS	NP	ND
Acrylonitrile	(µg/l)	50	50	0	NS	ND	NS	NP	ND
Benzene	(µg/l)	2	2	51	NS	ND	NS	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	NS	ND	NS	NP	ND
Bromoform	(µg/l)	10	10	140	NS	ND	NS	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	NS	ND	NS	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	NS	ND	NS	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	NS	ND	NS	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	NS	ND	NS	NP	ND
Chloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
Chloroform	(µg/l)	2	2	470	NS	ND	NS	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	NS	ND	NS	NP	ND
Dibromomethane	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	NS	ND	NS	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	NS	ND	NS	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	NS	ND	NS	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	NS	ND	NS	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	NS	ND	NS	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	NS	2.6	NS	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	NS	ND	NS	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	NS	ND	NS	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	NS	ND	NS	NP	ND
2-Hexanone	(µg/l)	50	50	NE	NS	ND	NS	NP	ND
Iodomethane	(µg/l)	100	100	NE	NS	ND	NS	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	NS	ND	NS	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	NS	ND	NS	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	NS	ND	NS	NP	ND
Styrene	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	NS	ND	NS	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	NS	ND	NS	NP	ND
Toluene	(µg/l)	2	2	5980	NS	ND	NS	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	NS	ND	NS	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	NS	ND	NS	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	NS	ND	NS	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	NS	ND	NS	NP	ND
Xylenes	(µg/l)	5	5	NE	NS	ND	NS	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	NS	ND	NS	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	NS	ND	NS	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #25 (1-7-13)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.11	6.09	Dry	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	403	125	Dry	NP	NT
Temperature	°C (on-site)	-	-	32	14.8	16.73	Dry	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	48	144	Dry	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	Dry	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	37.3	18.2	Dry	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	43.8	36.1	Dry	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	Dry	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	Dry	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	Dry	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	Dry	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	Dry	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	Dry	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	Dry	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	Dry	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	Dry	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	Dry	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	Dry	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	Dry	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	Dry	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	Dry	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	Dry	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	Dry	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	Dry	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	Dry	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	Dry	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	Dry	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	Dry	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	Dry	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	Dry	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	Dry	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	Dry	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	Dry	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	Dry	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	Dry	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	Dry	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	Dry	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	Dry	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	Dry	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	Dry	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	Dry	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	Dry	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(c)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6
11. SWC-6A was sampled on 2-8-13

Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #2nd Quarter 2013 (4-3-13)

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	NS	5.67	NS	NP	NS
Specific Conductance	uS/cm (on-site)	1	-	NE	NS	228	NS	NP	NS
Temperature	°C (on-site)	-	-	32	NS	21.6	NS	NP	NS
Turbidity	NTU (on-site)	0.1	-	NE	NS	6	NS	NP	NS
Total Antimony (Sb)	(µg/l)	6	6	640	NS	ND	NS	NP	NS
Total Arsenic (As)	(µg/l)	10	10	50	NS	85.3	NS	NP	NS
Total Barium (Ba)	(µg/l)	20	20	NE	NS	41.5	NS	NP	NS
Total Beryllium (Be)	(µg/l)	3	3	NE	NS	ND	NS	NP	NS
Total Cadmium (Cd)	(µg/l)	5	5	NE	NS	ND	NS	NP	NS
Total Chromium (Cr)	(µg/l)	10	10	NE	NS	ND	NS	NP	NS
Total Cobalt (Co)	(µg/l)	40	40	NE	NS	ND	NS	NP	NS
Total Copper (Cu)	(µg/l)	20	60	NE	NS	ND	NS	NP	NS
Total Lead (Pb)	(µg/l)	15	15	NE	NS	ND	NS	NP	NS
Total Nickel (Ni)	(µg/l)	20	20	NE	NS	ND	NS	NP	NS
Total Selenium (Se)	(µg/l)	10	10	5	NS	ND	NS	NP	NS
Total Silver (Ag)	(µg/l)	10	10	NE	NS	ND	NS	NP	NS
Total Thallium (Tl)	(µg/l)	2	2	0	NS	ND	NS	NP	NS
Total Vanadium (V)	(µg/l)	20	20	NE	NS	ND	NS	NP	NS
Total Zinc (Zn)	(µg/l)	20	20	NE	NS	ND	NS	NP	NS
Acetone	(µg/l)	100	100	NE	NS	ND	NS	NP	NS
Acrylonitrile	(µg/l)	50	50	0	NS	ND	NS	NP	NS
Benzene	(µg/l)	2	2	51	NS	ND	NS	NP	NS
Bromochloromethane	(µg/l)	10	10	NE	NS	ND	NS	NP	NS
Bromodichloromethane	(µg/l)	10	10	17	NS	ND	NS	NP	NS
Bromoform	(µg/l)	10	10	140	NS	ND	NS	NP	NS
Carbon Disulfide	(µg/l)	5	5	NE	NS	ND	NS	NP	NS
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	NS	ND	NS	NP	NS
Carbon Tetrachloride	(µg/l)	2	2	2	NS	ND	NS	NP	NS
Chlorobenzene	(µg/l)	10	10	1600	NS	ND	NS	NP	NS
Chloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	NS
Chloroform	(µg/l)	2	2	470	NS	ND	NS	NP	NS
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	NS	ND	NS	NP	NS
Dibromochloromethane	(µg/l)	10	10	13	NS	ND	NS	NP	NS
Dibromomethane	(µg/l)	10	10	NE	NS	ND	NS	NP	NS
1,2-Dichlorobenzene	(µg/l)	10	10	1300	NS	ND	NS	NP	NS
1,4-Dichlorobenzene	(µg/l)	10	10	190	NS	ND	NS	NP	NS
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	NS	ND	NS	NP	NS
1,1-Dichloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	NS
1,2-Dichloroethane	(µg/l)	2	2	37	NS	ND	NS	NP	NS
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	NS	ND	NS	NP	NS
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	NS	3.4	NS	NP	NS
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	NS	ND	NS	NP	NS
1,2-Dichloropropane	(µg/l)	2	2	15	NS	ND	NS	NP	NS
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	NS	ND	NS	NP	NS
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	NS	ND	NS	NP	NS
Ethylbenzene	(µg/l)	2	2	2100	NS	ND	NS	NP	NS
2-Hexanone	(µg/l)	50	50	NE	NS	ND	NS	NP	NS
Iodomethane	(µg/l)	100	100	NE	NS	ND	NS	NP	NS
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	NS	ND	NS	NP	NS
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	NS	ND	NS	NP	NS
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	NS	ND	NS	NP	NS
Styrene	(µg/l)	10	10	NE	NS	ND	NS	NP	NS
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	NS
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	NS	ND	NS	NP	NS
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	NS	ND	NS	NP	NS
Toluene	(µg/l)	2	2	5980	NS	ND	NS	NP	NS
1,1,1-Trichloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	NS
1,1,2-Trichloroethane	(µg/l)	2	2	16	NS	ND	NS	NP	NS
Trichloroethene (-ethylene)	(µg/l)	2	2	30	NS	ND	NS	NP	NS
Trichlorofluoromethane	(µg/l)	10	10	NE	NS	ND	NS	NP	NS
1,2,3-Trichloropropane	(µg/l)	10	10	NE	NS	ND	NS	NP	NS
Vinyl Acetate	(µg/l)	100	100	NE	NS	ND	NS	NP	NS
Vinyl Chloride	(µg/l)	2	2	2	NS	ND	NS	NP	NS
Xylenes	(µg/l)	5	5	NE	NS	ND	NS	NP	NS
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	NS	ND	NS	NP	NS
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	NS	ND	NS	NP	NS

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(c)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #26 (7-3-13)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	7.36	5.87	5.82	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	24	129	153	NP	NT
Temperature	°C (on-site)	-	-	32	22.3	23.1	21.5	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	430	>1,100	51	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	ND	20.8	149	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	50.6	820	50.8	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	5.0	ND	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	174	ND	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	ND	182	ND	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	ND	109	ND	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	105	ND	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	ND	2.1	ND	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	ND	353	ND	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	25.5	360	ND	NP	NT
Acetone	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #4th Quarter 2013 (10-4-13)

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	NS	5.63	NS	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	NS	206	NS	NP	NT
Temperature	°C (on-site)	-	-	32	NS	25.3	NS	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	NS	1	NS	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	NS	ND	NS	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	NS	56.4	NS	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	NS	48.3	NS	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	NS	ND	NS	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	NS	ND	NS	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	NS	ND	NS	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	NS	ND	NS	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	NS	ND	NS	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	NS	ND	NS	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	NS	ND	NS	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	NS	ND	NS	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	NS	ND	NS	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	NS	ND	NS	NP	NT
Acetone	(µg/l)	100	100	NE	NS	ND	NS	NP	ND
Acrylonitrile	(µg/l)	50	50	0	NS	ND	NS	NP	ND
Benzene	(µg/l)	2	2	51	NS	ND	NS	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	NS	ND	NS	NP	ND
Bromoform	(µg/l)	10	10	140	NS	ND	NS	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	NS	ND	NS	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	NS	ND	NS	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	NS	ND	NS	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	NS	ND	NS	NP	ND
Chloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
Chloroform	(µg/l)	2	2	470	NS	ND	NS	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	NS	ND	NS	NP	ND
Dibromomethane	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	NS	ND	NS	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	NS	ND	NS	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	NS	ND	NS	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	NS	ND	NS	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	NS	ND	NS	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	NS	ND	NS	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	NS	ND	NS	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	NS	ND	NS	NP	ND
2-Hexanone	(µg/l)	50	50	NE	NS	ND	NS	NP	ND
Iodomethane	(µg/l)	100	100	NE	NS	ND	NS	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	NS	ND	NS	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	NS	ND	NS	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	NS	ND	NS	NP	ND
Styrene	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	NS	ND	NS	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	NS	ND	NS	NP	ND
Toluene	(µg/l)	2	2	5980	NS	ND	NS	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	NS	ND	NS	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	NS	ND	NS	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	NS	ND	NS	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	NS	ND	NS	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	NS	ND	NS	NP	ND
Xylenes	(µg/l)	5	5	NE	NS	ND	NS	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	NS	ND	NS	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	NS	ND	NS	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #27 (2-5-14)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.86	5.81	6.10	NP	ND
Specific Conductance	uS/cm (on-site)	1	-	NE	221	183	212	NP	ND
Temperature	°C (on-site)	-	-	32	17.3	20.6	15.5	NP	ND
Turbidity	NTU (on-site)	0.1	-	NE	40	10	16	NP	ND
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	27.0	43.5	76.9	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	47.5	42.7	24.3	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event 2nd Quarter 2014 (4-10-14)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	NT	5.65	NT	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	NT	201	NT	NP	NT
Temperature	°C (on-site)	-	-	32	NT	23.9	NT	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	NT	0	NT	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	NT	ND	NT	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	NT	44.1	NT	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	NT	44.1	NT	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	NT	ND	NT	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	NT	ND	NT	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	NT	ND	NT	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	NT	ND	NT	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	NT	ND	NT	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	NT	ND	NT	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	NT	ND	NT	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	NT	ND	NT	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	NT	ND	NT	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	NT	ND	NT	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	NT	ND	NT	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	NT	ND	NT	NP	NT
Acetone	(µg/l)	100	100	NE	NT	ND	NT	NP	NT
Acrylonitrile	(µg/l)	50	50	0	NT	ND	NT	NP	NT
Benzene	(µg/l)	2	2	51	NT	ND	NT	NP	NT
Bromochloromethane	(µg/l)	10	10	NE	NT	ND	NT	NP	NT
Bromodichloromethane	(µg/l)	10	10	17	NT	ND	NT	NP	NT
Bromoform	(µg/l)	10	10	140	NT	ND	NT	NP	NT
Carbon Disulfide	(µg/l)	5	5	NE	NT	ND	NT	NP	NT
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	NT	ND	NT	NP	NT
Carbon Tetrachloride	(µg/l)	2	2	2	NT	ND	NT	NP	NT
Chlorobenzene	(µg/l)	10	10	1600	NT	ND	NT	NP	NT
Chloroethane	(µg/l)	2	2	NE	NT	ND	NT	NP	NT
Chloroform	(µg/l)	2	2	470	NT	ND	NT	NP	NT
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	NT	ND	NT	NP	NT
Dibromochloromethane	(µg/l)	10	10	13	NT	ND	NT	NP	NT
Dibromomethane	(µg/l)	10	10	NE	NT	ND	NT	NP	NT
1,2-Dichlorobenzene	(µg/l)	10	10	1300	NT	ND	NT	NP	NT
1,4-Dichlorobenzene	(µg/l)	10	10	190	NT	ND	NT	NP	NT
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	NT	ND	NT	NP	NT
1,1-Dichloroethane	(µg/l)	2	2	NE	NT	ND	NT	NP	NT
1,2-Dichloroethane	(µg/l)	2	2	37	NT	ND	NT	NP	NT
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	NT	ND	NT	NP	NT
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	NT	ND	NT	NP	NT
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	NT	ND	NT	NP	NT
1,2-Dichloropropane	(µg/l)	2	2	15	NT	ND	NT	NP	NT
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	NT	ND	NT	NP	NT
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	NT	ND	NT	NP	NT
Ethylbenzene	(µg/l)	2	2	2100	NT	ND	NT	NP	NT
2-Hexanone	(µg/l)	50	50	NE	NT	ND	NT	NP	NT
Iodomethane	(µg/l)	100	100	NE	NT	ND	NT	NP	NT
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	NT	ND	NT	NP	NT
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	NT	ND	NT	NP	NT
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	NT	ND	NT	NP	NT
Styrene	(µg/l)	10	10	NE	NT	ND	NT	NP	NT
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	NT	ND	NT	NP	NT
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	NT	ND	NT	NP	NT
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	NT	ND	NT	NP	NT
Toluene	(µg/l)	2	2	5980	NT	ND	NT	NP	NT
1,1,1-Trichloroethane	(µg/l)	2	2	NE	NT	ND	NT	NP	NT
1,1,2-Trichloroethane	(µg/l)	2	2	16	NT	ND	NT	NP	NT
Trichloroethene (-ethylene)	(µg/l)	2	2	30	NT	ND	NT	NP	NT
Trichlorofluoromethane	(µg/l)	10	10	NE	NT	ND	NT	NP	NT
1,2,3-Trichloropropane	(µg/l)	10	10	NE	NT	ND	NT	NP	NT
Vinyl Acetate	(µg/l)	100	100	NE	NT	ND	NT	NP	NT
Vinyl Chloride	(µg/l)	2	2	2	NT	ND	NT	NP	NT
Xylenes	(µg/l)	5	5	NE	NT	ND	NT	NP	NT
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	NT	ND	NT	NP	NT
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	NT	ND	NT	NP	NT

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #28 (7-23-14)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	Dry	5.68	6.05	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	Dry	168	266	NP	NT
Temperature	°C (on-site)	-	-	32	Dry	25.4	19.1	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	Dry	15	18	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	Dry	ND	ND	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	Dry	38.1	150	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	Dry	38.0	67.9	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	Dry	ND	ND	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	Dry	ND	ND	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	Dry	ND	ND	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	Dry	ND	ND	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	Dry	ND	ND	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	Dry	ND	ND	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	Dry	ND	ND	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	Dry	ND	ND	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	Dry	ND	ND	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	Dry	ND	ND	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	Dry	ND	ND	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	Dry	ND	ND	NP	ND
Acetone	(µg/l)	100	100	NE	Dry	ND	ND	NP	ND
Acrylonitrile	(µg/l)	50	50	0	Dry	ND	ND	NP	ND
Benzene	(µg/l)	2	2	51	Dry	ND	ND	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	Dry	ND	ND	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	Dry	ND	ND	NP	ND
Bromoform	(µg/l)	10	10	140	Dry	ND	ND	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	Dry	ND	ND	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	Dry	ND	ND	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	Dry	ND	ND	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	Dry	ND	ND	NP	ND
Chloroethane	(µg/l)	2	2	NE	Dry	ND	ND	NP	ND
Chloroform	(µg/l)	2	2	470	Dry	ND	ND	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	Dry	ND	ND	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	Dry	ND	ND	NP	ND
Dibromomethane	(µg/l)	10	10	NE	Dry	ND	ND	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	Dry	ND	ND	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	Dry	ND	ND	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	Dry	ND	ND	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	Dry	ND	ND	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	Dry	ND	ND	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	Dry	ND	ND	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	Dry	ND	ND	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	Dry	ND	ND	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	Dry	ND	ND	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	Dry	ND	ND	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	Dry	ND	ND	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	Dry	ND	ND	NP	ND
2-Hexanone	(µg/l)	50	50	NE	Dry	ND	ND	NP	ND
Iodomethane	(µg/l)	100	100	NE	Dry	ND	ND	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	Dry	ND	ND	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	Dry	ND	ND	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	Dry	ND	ND	NP	ND
Styrene	(µg/l)	10	10	NE	Dry	ND	ND	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	Dry	ND	ND	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	Dry	ND	ND	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	Dry	ND	ND	NP	ND
Toluene	(µg/l)	2	2	5980	Dry	ND	ND	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	Dry	ND	ND	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	Dry	ND	ND	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	Dry	ND	ND	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	Dry	ND	ND	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	Dry	ND	ND	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	Dry	ND	ND	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	Dry	ND	ND	NP	ND
Xylenes	(µg/l)	5	5	NE	Dry	ND	ND	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	Dry	ND	ND	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	Dry	ND	ND	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event 4th quarter (10-2-14)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	NS	5.49	NS	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	NS	98	NS	NP	NT
Temperature	°C (on-site)	-	-	32	NS	26.1	NS	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	NS	0	NS	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	NS	ND	NS	NP	NT
Total Arsenic (As)	(µg/l)	10	10	50	NS	ND	NS	NP	NT
Total Barium (Ba)	(µg/l)	20	20	NE	NS	31.2	NS	NP	NT
Total Beryllium (Be)	(µg/l)	3	3	NE	NS	ND	NS	NP	NT
Total Cadmium (Cd)	(µg/l)	5	5	NE	NS	ND	NS	NP	NT
Total Chromium (Cr)	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
Total Cobalt (Co)	(µg/l)	40	40	NE	NS	ND	NS	NP	NT
Total Copper (Cu)	(µg/l)	20	60	NE	NS	ND	NS	NP	NT
Total Lead (Pb)	(µg/l)	15	15	NE	NS	ND	NS	NP	NT
Total Nickel (Ni)	(µg/l)	20	20	NE	NS	ND	NS	NP	NT
Total Selenium (Se)	(µg/l)	10	10	5	NS	ND	NS	NP	NT
Total Silver (Ag)	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
Total Thallium (Tl)	(µg/l)	2	2	0	NS	ND	NS	NP	NT
Total Vanadium (V)	(µg/l)	20	20	NE	NS	ND	NS	NP	NT
Total Zinc (Zn)	(µg/l)	20	20	NE	NS	ND	NS	NP	NT
Acetone	(µg/l)	100	100	NE	NS	ND	NS	NP	NT
Acrylonitrile	(µg/l)	50	50	0	NS	ND	NS	NP	NT
Benzene	(µg/l)	2	2	51	NS	ND	NS	NP	NT
Bromochloromethane	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
Bromodichloromethane	(µg/l)	10	10	17	NS	ND	NS	NP	NT
Bromoform	(µg/l)	10	10	140	NS	ND	NS	NP	NT
Carbon Disulfide	(µg/l)	5	5	NE	NS	ND	NS	NP	NT
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	NS	ND	NS	NP	NT
Carbon Tetrachloride	(µg/l)	2	2	2	NS	ND	NS	NP	NT
Chlorobenzene	(µg/l)	10	10	1600	NS	ND	NS	NP	NT
Chloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	NT
Chloroform	(µg/l)	2	2	470	NS	ND	NS	NP	NT
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
Dibromochloromethane	(µg/l)	10	10	13	NS	ND	NS	NP	NT
Dibromomethane	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
1,2-Dichlorobenzene	(µg/l)	10	10	1300	NS	ND	NS	NP	NT
1,4-Dichlorobenzene	(µg/l)	10	10	190	NS	ND	NS	NP	NT
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	NS	ND	NS	NP	NT
1,1-Dichloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	NT
1,2-Dichloroethane	(µg/l)	2	2	37	NS	ND	NS	NP	NT
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	NS	ND	NS	NP	NT
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	NS	ND	NS	NP	NT
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	NS	ND	NS	NP	NT
1,2-Dichloropropane	(µg/l)	2	2	15	NS	ND	NS	NP	NT
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	NS	ND	NS	NP	NT
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	NS	ND	NS	NP	NT
Ethylbenzene	(µg/l)	2	2	2100	NS	ND	NS	NP	NT
2-Hexanone	(µg/l)	50	50	NE	NS	ND	NS	NP	NT
Iodomethane	(µg/l)	100	100	NE	NS	ND	NS	NP	NT
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	NS	ND	NS	NP	NT
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	NS	ND	NS	NP	NT
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	NS	ND	NS	NP	NT
Styrene	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	NT
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	NS	ND	NS	NP	NT
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	NS	ND	NS	NP	NT
Toluene	(µg/l)	2	2	5980	NS	ND	NS	NP	NT
1,1,1-Trichloroethane	(µg/l)	2	2	NE	NS	ND	NS	NP	NT
1,1,2-Trichloroethane	(µg/l)	2	2	16	NS	ND	NS	NP	NT
Trichloroethene (-ethylene)	(µg/l)	2	2	30	NS	ND	NS	NP	NT
Trichlorofluoromethane	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
1,2,3-Trichloropropane	(µg/l)	10	10	NE	NS	ND	NS	NP	NT
Vinyl Acetate	(µg/l)	100	100	NE	NS	ND	NS	NP	NT
Vinyl Chloride	(µg/l)	2	2	2	NS	ND	NS	NP	NT
Xylenes	(µg/l)	5	5	NE	NS	ND	NS	NP	NT
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	NS	ND	NS	NP	NT
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	NS	ND	NS	NP	NT

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(c)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #29 (1-28-15)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	Dry	5.71	Dry	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	Dry	162	Dry	NP	NT
Temperature	°C (on-site)	-	-	32	Dry	17.8	Dry	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	Dry	8	Dry	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	Dry	ND	Dry	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	Dry	19.8	Dry	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	Dry	42.8	Dry	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	Dry	ND	Dry	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	Dry	ND	Dry	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	Dry	ND	Dry	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	Dry	ND	Dry	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	Dry	ND	Dry	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	Dry	ND	Dry	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	Dry	ND	Dry	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	Dry	ND	Dry	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	Dry	ND	Dry	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	Dry	ND	Dry	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	Dry	ND	Dry	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	Dry	ND	Dry	NP	ND
Acetone	(µg/l)	100	100	NE	Dry	ND	Dry	NP	ND
Acrylonitrile	(µg/l)	50	50	0	Dry	ND	Dry	NP	ND
Benzene	(µg/l)	2	2	51	Dry	ND	Dry	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	Dry	ND	Dry	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	Dry	ND	Dry	NP	ND
Bromoform	(µg/l)	10	10	140	Dry	ND	Dry	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	Dry	ND	Dry	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	Dry	ND	Dry	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	Dry	ND	Dry	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	Dry	ND	Dry	NP	ND
Chloroethane	(µg/l)	2	2	NE	Dry	ND	Dry	NP	ND
Chloroform	(µg/l)	2	2	470	Dry	ND	Dry	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	Dry	ND	Dry	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	Dry	ND	Dry	NP	ND
Dibromomethane	(µg/l)	10	10	NE	Dry	ND	Dry	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	Dry	ND	Dry	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	Dry	ND	Dry	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	Dry	ND	Dry	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	Dry	ND	Dry	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	Dry	ND	Dry	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	Dry	ND	Dry	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	Dry	ND	Dry	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	Dry	ND	Dry	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	Dry	ND	Dry	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	Dry	ND	Dry	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	Dry	ND	Dry	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	Dry	ND	Dry	NP	ND
2-Hexanone	(µg/l)	50	50	NE	Dry	ND	Dry	NP	ND
Iodomethane	(µg/l)	100	100	NE	Dry	ND	Dry	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	Dry	ND	Dry	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	Dry	ND	Dry	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	Dry	ND	Dry	NP	ND
Styrene	(µg/l)	10	10	NE	Dry	ND	Dry	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	Dry	ND	Dry	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	Dry	ND	Dry	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	Dry	ND	Dry	NP	ND
Toluene	(µg/l)	2	2	5980	Dry	ND	Dry	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	Dry	ND	Dry	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	Dry	ND	Dry	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	Dry	ND	Dry	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	Dry	ND	Dry	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	Dry	ND	Dry	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	Dry	ND	Dry	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	Dry	ND	Dry	NP	ND
Xylenes	(µg/l)	5	5	NE	Dry	ND	Dry	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	Dry	ND	Dry	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	Dry	ND	Dry	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #30 (7-8-15)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.96	5.45	Dry	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	263	177	Dry	NP	NT
Temperature	°C (on-site)	-	-	32	21.9	25.9	Dry	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	0	0	Dry	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	Dry	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	41.3	40.8	Dry	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	45.3	41.2	Dry	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	Dry	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	Dry	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	Dry	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	Dry	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	Dry	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	Dry	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	Dry	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	Dry	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	Dry	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	Dry	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	Dry	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	Dry	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	Dry	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	Dry	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	Dry	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	Dry	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	Dry	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	Dry	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	Dry	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	Dry	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	Dry	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	Dry	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	Dry	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	Dry	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	Dry	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	Dry	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	Dry	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	Dry	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	Dry	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	Dry	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	Dry	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	Dry	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	Dry	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	Dry	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	Dry	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	Dry	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	Dry	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	Dry	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #31 (1-29-16)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.29	5.84	5.82	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	236	123	84	NP	NT
Temperature	°C (on-site)	-	-	32	13.8	18.4	13.6	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	0	0	0	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	30.7	66.3	14.6	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	44.6	46.7	20.8	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #32 (7-27-16)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.69	7.07	6.89	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	188	144	93	NP	NT
Temperature	°C (on-site)	-	-	32	213	26.8	21	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	2	20	0	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	20.5	52.3	ND	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	46.6	42.3	ND	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #33 (1-5-17)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.46	6.15	5.90	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	206	123	109	NP	NT
Temperature	°C (on-site)	-	-	32	19.7	21.4	20	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	0	0	0	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	28.3	41.3	13	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	46.5	44.8	ND	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #34 (7-7-17)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.16	6.8	6.30	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	263	161	227	NP	NT
Temperature	°C (on-site)	-	-	32	23.3	25.9	21.5	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	9	65	84	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	43.6	48.8	102	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	49.7	44.1	ND	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #35 (1-4-18)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.73	5.66	5.90	NP	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	214	148	110	NP	NT
Temperature	°C (on-site)	-	-	32	15.5	20.6	17.1	NP	NT
Turbidity	NTU (on-site)	0.1	-	NE	48	2	20	NP	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	NP	ND
Total Arsenic (As)	(µg/l)	10	10	50	103.0	84.9	24.8	NP	ND
Total Barium (Ba)	(µg/l)	20	20	NE	59.4	49.3	ND	NP	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	NP	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	NP	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	NP	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	NP	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	NP	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	NP	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	NP	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	NP	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	NP	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	NP	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	NP	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	NP	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	NP	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	NP	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	NP	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	NP	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	NP	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	NP	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	NP	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	NP	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	NP	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	NP	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	NP	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	NP	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	NP	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	NP	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	NP	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	NP	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	NP	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	NP	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	NP	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	NP	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	NP	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	NP	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	NP	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	NP	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6
11. SWC-6 was re-sampled on 1/23/18 for cis-1,2-DCE

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #36 (7-26-18)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.01	5.21	5.15	8.08	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	209	185	132	69	NT
Temperature	°C (on-site)	-	-	32	23.8	28.8	23.6	21.1	NT
Turbidity	NTU (on-site)	0.1	-	NE	14	55	11	1	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	ND	ND
Total Arsenic (As)	(µg/l)	10	10	50	59	82	40	ND	ND
Total Barium (Ba)	(µg/l)	20	20	NE	47	51	ND	ND	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	ND	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	ND	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	ND	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	ND	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	ND	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	ND	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	ND	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	ND	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	ND	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	ND	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	ND	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	ND	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	ND	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	ND	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	ND	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	ND	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	ND	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	ND	11.4
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	ND	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	ND	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	ND	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	ND	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	ND	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	ND	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #37 (1-17-19)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.79	5.92	5.90	Dry	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	118	120	93	Dry	NT
Temperature	°C (on-site)	-	-	32	16.5	20.2	17.6	Dry	NT
Turbidity	NTU (on-site)	0.1	-	NE	14	1	2	Dry	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	Dry	ND
Total Arsenic (As)	(µg/l)	10	10	50	39.0	70	40	Dry	ND
Total Barium (Ba)	(µg/l)	20	20	NE	47	47.0	ND	Dry	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	Dry	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	Dry	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	Dry	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	Dry	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	Dry	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	Dry	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	Dry	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	Dry	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	Dry	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	Dry	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	Dry	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	Dry	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	Dry	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	Dry	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	Dry	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	Dry	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	Dry	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	Dry	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	Dry	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	Dry	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	Dry	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	Dry	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	Dry	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	Dry	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	Dry	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	Dry	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	Dry	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	Dry	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	Dry	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	Dry	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	Dry	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	Dry	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	Dry	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	Dry	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	Dry	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	Dry	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	Dry	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	Dry	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	Dry	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #38 (7-16-19)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.14	5.35	5.21	Dry	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	194	163	104	Dry	NT
Temperature	°C (on-site)	-	-	32	22.8	27.7	24.3	Dry	NT
Turbidity	NTU (on-site)	0.1	-	NE	2	2	6	Dry	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	Dry	ND
Total Arsenic (As)	(µg/l)	10	10	50	30	41	20	Dry	ND
Total Barium (Ba)	(µg/l)	20	20	NE	41	43	ND	Dry	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	Dry	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	Dry	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	Dry	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	Dry	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	Dry	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	Dry	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	Dry	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	Dry	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	Dry	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	Dry	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	Dry	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	Dry	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	Dry	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	Dry	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	Dry	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	Dry	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	Dry	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	Dry	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	Dry	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	Dry	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	Dry	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	Dry	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	Dry	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	Dry	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	Dry	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	Dry	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	Dry	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	Dry	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	Dry	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	Dry	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	Dry	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	Dry	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	Dry	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	Dry	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	Dry	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	Dry	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	Dry	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	Dry	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	Dry	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #39 (1-8-20)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.99	5.58	5.63	Dry	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	207	137	98	Dry	NT
Temperature	°C (on-site)	-	-	32	21.3	21.4	20.5	Dry	NT
Turbidity	NTU (on-site)	0.1	-	NE	5	5	5	Dry	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	Dry	ND
Total Arsenic (As)	(µg/l)	10	10	50	36	59	23	Dry	ND
Total Barium (Ba)	(µg/l)	20	20	NE	46	47	ND	Dry	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	Dry	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	Dry	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	Dry	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	Dry	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	Dry	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	Dry	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	Dry	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	Dry	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	Dry	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	Dry	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	Dry	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	Dry	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	Dry	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	Dry	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	Dry	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	Dry	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	Dry	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	Dry	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	Dry	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	Dry	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	Dry	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	Dry	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	Dry	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	Dry	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	Dry	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	Dry	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	Dry	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	Dry	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	Dry	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	Dry	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	Dry	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	Dry	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	Dry	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	Dry	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	Dry	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	Dry	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	Dry	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	Dry	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	Dry	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	Dry	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	Dry	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	Dry	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #40 (7-9-20)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.6	5.85	5.69	6.02	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	167	159	137	87	NT
Temperature	°C (on-site)	-	-	32	22.1	28.1	24.7	24.5	NT
Turbidity	NTU (on-site)	0.1	-	NE	29	8	6	6	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	ND	ND
Total Arsenic (As)	(µg/l)	10	10	50	126.0	35.1	27.3	ND	ND
Total Barium (Ba)	(µg/l)	20	20	NE	52.4	41.1	ND	ND	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	ND	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Cobalt (Co)	(µg/l)	40	40	NE	ND	ND	ND	ND	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	ND	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	ND	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	ND	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	ND	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	ND	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	ND	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	ND	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	ND	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	ND	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	ND	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	ND	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	ND	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	ND	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	ND	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	ND	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	ND	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	ND	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	ND	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	ND	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	ND	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	ND	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #41 (1-7-21)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.87	6.04	5.68	6.18	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	203	140	115	76	NT
Temperature	°C (on-site)	-	-	32	21	7.5	20.9	12	NT
Turbidity	NTU (on-site)	0.1	-	NE	5	6	9	2	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	ND	ND
Total Arsenic (As)	(µg/l)	10	10	50	36.0	ND	28	ND	ND
Total Barium (Ba)	(µg/l)	20	20	NE	46	25.0	21	ND	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	ND	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Cobalt (Co)	(µg/l)	6	6	NE	12	ND	35	20	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	ND	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	ND	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	ND	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	ND	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	ND	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	ND	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	ND	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	ND	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	ND	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	ND	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	ND	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	ND	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2butene	(µg/l)	5	100	NE	ND	ND	ND	ND	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	ND	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	ND	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	ND	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	ND	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	ND	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	ND	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	ND	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	ND	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	ND	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #42 (7-9-21)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	6.08	5.74	5.71	6.06	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	229	169	124	113	NT
Temperature	°C (on-site)	-	-	32	23.3	27.1	25	20.7	NT
Turbidity	NTU (on-site)	0.1	-	NE	4	3	1	1	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	ND	ND
Total Arsenic (As)	(µg/l)	10	10	50	35	40	20	ND	ND
Total Barium (Ba)	(µg/l)	20	20	NE	45	44	21	ND	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	ND	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Cobalt (Co)	(µg/l)	6	6	NE	11	10	33	34	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	ND	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	ND	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	ND	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	ND	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	ND	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	ND	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	ND	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	ND	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	ND	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	ND	ND
Chloroethane	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	ND	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	ND	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2butene	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	ND	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	ND	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	ND	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	ND	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	ND	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	ND	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	ND	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	ND	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	ND	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #43 (1-6-22)

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.98	5.65	5.59	5.95	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	238	176	162	105	NT
Temperature	°C (on-site)	-	-	32	18.6	22.6	21.8	10.1	NT
Turbidity	NTU (on-site)	0.1	-	NE	4	3	6	2	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	ND	ND
Total Arsenic (As)	(µg/l)	10	10	50	37	64	97	ND	ND
Total Barium (Ba)	(µg/l)	20	20	NE	49	49.0	29	ND	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	ND	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Cobalt (Co)	(µg/l)	6	6	NE	10	6.4	36	30	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	ND	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	ND	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	ND	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Thallium (Tl)	(µg/l)	2	2	0	ND	ND	ND	ND	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Acrylonitrile	(µg/l)	50	50	0	ND	ND	ND	ND	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	ND	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	ND	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	ND	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	ND	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	ND	ND
Chloroethane	(µg/l)	5	2	NE	ND	ND	ND	ND	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	ND	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	ND	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2butene	(µg/l)	5	100	NE	ND	ND	ND	ND	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	ND	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	ND	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	ND	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	ND	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	ND	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	ND	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	ND	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	ND	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	ND	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #44 (7-8-22)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.77	6.06	5.84	6.61	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	198	148	133	121	NT
Temperature	°C (on-site)	-	-	32	23.4	24.2	26.1	21.6	NT
Turbidity	NTU (on-site)	0.1	-	NE	7	13	3	7	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	ND	ND
Total Arsenic (As)	(µg/l)	10	10	50	29	24	28	ND	ND
Total Barium (Ba)	(µg/l)	20	20	NE	47	130	ND	ND	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	ND	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Cobalt (Co)	(µg/l)	6	6	NE	10	32	26	35	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	ND	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	ND	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	ND	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Thallium (Tl)	(µg/l)	2	2	0.47	ND	ND	ND	ND	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Acrylonitrile	(µg/l)	50	50	0.25	ND	ND	ND	ND	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	ND	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	ND	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	ND	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	ND	ND
Carbon Tetrachloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	ND	ND
Chloroethane	(µg/l)	5	2	NE	ND	ND	ND	ND	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	ND	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	ND	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2butene	(µg/l)	5	100	NE	ND	ND	ND	ND	ND
1,1-Dichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,2-Dichloroethane	(µg/l)	2	2	37	ND	ND	ND	ND	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	2	2	7100	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	ND	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	ND	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	ND	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	ND	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	ND	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	ND	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Vinyl Chloride	(µg/l)	2	2	2	ND	ND	ND	ND	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	ND	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	ND	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
7. NE = Not Established; EPD has not established an ISWQS
8. MDL = Laboratory Method Detection Limit
9. PQL = Practical Quantitation Limit
10. SWC-6A is a Surface Water location downgradient of SWC-6

**Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #45 (1-6-23)**

TEST	UNITS	LAB MDL	GA PQL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	-	<6.0; >8.5	5.90	5.75	5.73	6.46	NT
Specific Conductance	uS/cm (on-site)	1	-	NE	216	149	118	24	NT
Temperature	°C (on-site)	-	-	32	21.5	23.3	23.4	15.3	NT
Turbidity	NTU (on-site)	0.1	-	NE	7	3	2	51	NT
Total Antimony (Sb)	(µg/l)	6	6	640	ND	ND	ND	ND	ND
Total Arsenic (As)	(µg/l)	10	10	50	32	27	23	ND	ND
Total Barium (Ba)	(µg/l)	20	20	NE	39	42	ND	87	ND
Total Beryllium (Be)	(µg/l)	3	3	NE	ND	ND	ND	ND	ND
Total Cadmium (Cd)	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Total Chromium (Cr)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Cobalt (Co)	(µg/l)	6	6	NE	9.2	6.4	26	32	ND
Total Copper (Cu)	(µg/l)	20	60	NE	ND	ND	ND	ND	ND
Total Lead (Pb)	(µg/l)	15	15	NE	ND	ND	ND	ND	ND
Total Nickel (Ni)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Selenium (Se)	(µg/l)	10	10	5	ND	ND	ND	ND	ND
Total Silver (Ag)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Total Thallium (Tl)	(µg/l)	2	2	0.47	ND	ND	ND	ND	ND
Total Vanadium (V)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Total Zinc (Zn)	(µg/l)	20	20	NE	ND	ND	ND	ND	ND
Acetone	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Acrylonitrile	(µg/l)	50	50	0.25	ND	ND	ND	ND	ND
Benzene	(µg/l)	2	2	51	ND	ND	ND	ND	ND
Bromochloromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Bromodichloromethane	(µg/l)	10	10	17	ND	ND	ND	ND	ND
Bromoform	(µg/l)	10	10	140	ND	ND	ND	ND	ND
Carbon Disulfide	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
Bromomethane (Methylbromide)	(µg/l)	10	10	1500	ND	ND	ND	ND	ND
Carbon Tetrachloride	(µg/l)	2	2	1.6	ND	ND	ND	ND	ND
Chlorobenzene	(µg/l)	10	10	1600	ND	ND	ND	ND	ND
Chloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Chloroform	(µg/l)	2	2	470	ND	ND	ND	ND	ND
Chloromethane (Methylchloride)	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Dibromochloromethane	(µg/l)	10	10	13	ND	ND	ND	ND	ND
Dibromomethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	(µg/l)	10	10	1300	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	(µg/l)	10	10	190	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2butene	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	2	2	10000	ND	ND	ND	ND	ND
1,2-Dichloropropane	(µg/l)	2	2	15	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
Ethylbenzene	(µg/l)	2	2	2100	ND	ND	ND	ND	ND
2-Hexanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Iodomethane	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Dichloromethane (Methylene chloride)	(µg/l)	5	5	590	ND	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	(µg/l)	50	50	NE	ND	ND	ND	ND	ND
Styrene	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	(µg/l)	2	2	4	ND	ND	ND	ND	ND
Tetrachloroethene (-ethylene)	(µg/l)	2	2	3	ND	ND	ND	ND	ND
Toluene	(µg/l)	2	2	5980	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	(µg/l)	2	2	NE	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	(µg/l)	2	2	16	ND	ND	ND	ND	ND
Trichloroethene (-ethylene)	(µg/l)	2	2	30	ND	ND	ND	ND	ND
Trichlorofluoromethane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	(µg/l)	10	10	NE	ND	ND	ND	ND	ND
Vinyl Acetate	(µg/l)	100	100	NE	ND	ND	ND	ND	ND
Vinyl Chloride	(µg/l)	2	2	2.4	ND	ND	ND	ND	ND
Xylenes	(µg/l)	5	5	NE	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	25	0.20	NE	ND	ND	ND	ND	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	5	0.05	NE	ND	ND	ND	ND	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(ii), (iii), &(iv).
6. NE = Not Established; EPD has not established an ISWQS
7. MDL = Laboratory Method Detection Limit
8. PQL = Practical Quantitation Limit

Eagle Point MSW Landfill - Forsyth Co., GA
Underdrain Sampling Event #46 (7-13-23)

TEST	UNITS	LAB MDL	ISWQS	SWC-5	SWC-6	SWC-7	SWC-8	FIELD BLANK
pH	pH units (on-site)	-	<6.0; >8.5	6.20	5.69	5.72	6.09	NT
Temperature	°C (on-site)	-	32	23.7	27.9	26.3	23.0	NT
Chloride (Cl)	(mg/l)	1	NE	7.3	4.2	3.0	5.5	NT
Total Dissolved Solids (TDS)	(mg/l)	25	NE	63	72	45	61	NT
Acetone	(µg/l)	20	NE	ND	ND	ND	ND	ND
Acrylonitrile	(µg/l)	20	0.25	ND	ND	ND	ND	ND
Benzene	(µg/l)	1	51	ND	ND	ND	ND	ND
Bromochloromethane	(µg/l)	1	NE	ND	ND	ND	ND	ND
Bromodichloromethane *	(µg/l)	1	17	ND	ND	ND	ND	ND
Bromoform *	(µg/l)	1	140	ND	ND	ND	ND	ND
Carbon Disulfide	(µg/l)	1	NE	ND	ND	ND	ND	ND
Bromomethane (Methylbromide)	(µg/l)	2	1500	ND	ND	ND	ND	ND
Carbon tetrachloride	(µg/l)	1	2	ND	ND	ND	ND	ND
Chlorobenzene	(µg/l)	1	1600	ND	ND	ND	ND	ND
Chloroethane	(µg/l)	2	NE	ND	ND	ND	ND	ND
Chloroform *	(µg/l)	1	470	ND	ND	ND	ND	ND
Chloromethane (Methylchloride)	(µg/l)	1	NE	ND	ND	ND	ND	ND
Dibromochloromethane *	(µg/l)	1	13	ND	ND	ND	ND	ND
Dibromomethane	(µg/l)	1	NE	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	(µg/l)	1	1300	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	(µg/l)	1	190	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2butene	(µg/l)	2	NE	ND	ND	ND	ND	ND
1,1-Dichloroethane	(µg/l)	1	NE	ND	ND	ND	ND	ND
1,2-Dichloroethane	(µg/l)	1	37	ND	ND	ND	ND	ND
1,1-Dichloroethene (-ethylene)	(µg/l)	1	7100	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene (-ethylene)	(µg/l)	1	NE	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene (-ylene)	(µg/l)	1	10000	ND	ND	ND	ND	ND
1,2-Dichloropropane	(µg/l)	1	15.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene (-propylene)	(µg/l)	1	NE	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene (-propylene)	(µg/l)	1	NE	ND	ND	ND	ND	ND
Ethylbenzene	(µg/l)	1	2100	ND	ND	ND	ND	ND
2-Hexanone	(µg/l)	10	NE	ND	ND	ND	ND	ND
Iodomethane	(µg/l)	5	NE	ND	ND	ND	ND	ND
Dichloromethane (Methylene chloride)	(µg/l)	1	590	ND	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	(µg/l)	10	NE	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	(µg/l)	10	NE	ND	ND	ND	ND	ND
Styrene	(µg/l)	1	NE	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	(µg/l)	1	NE	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	(µg/l)	1	4	ND	ND	ND	ND	ND
Tetrachloroethene (-ethylene)	(µg/l)	1	3	ND	ND	ND	ND	ND
Toluene	(µg/l)	1	5980	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	(µg/l)	1	NE	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	(µg/l)	1	16	ND	ND	ND	ND	ND
Trichloroethene (-ethylene)	(µg/l)	1	30	ND	ND	ND	ND	ND
Trichlorofluoromethane	(µg/l)	1	NE	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	(µg/l)	1	NE	ND	ND	ND	ND	ND
Vinyl acetate	(µg/l)	5	NE	ND	ND	ND	ND	ND
Vinyl chloride	(µg/l)	1	2.4	ND	ND	ND	ND	ND
Xylenes	(µg/l)	1	NE	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane; DBCP	(µg/l)	1	NE	ND	ND	ND	ND	ND
1,2-Dibromoethane; Ethylene dibromide	(µg/l)	1	NE	ND	ND	ND	ND	ND

Notes:

1. ND = Not Detected at the method detection limit
2. NS = Not Sampled
3. NT = Not Tested
4. NP = Not Present during sampling event
5. ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)e(ii), (iii), &(iv).
6. NE = Not Established; EPD has not established an ISWQS
7. MDL = Laboratory Method Detection Limit
8. PQL = Practical Quantitation Limit

APPENDIX D
Summary Tables and Charts of Surface Water
Analytical Results

Surface Water Sampling Event #2 (4-15-02) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12
pH	pH Units	-	<6.0; >8.5	7.5	NP	NP	NP	7.98	NP	NP	6.78
Specific Conductance	µS/cm	-	NE	33	NP	NP	NP	24	NP	NP	34
Temperature	C	-	32.2	18.1	NP	NP	NP	20.4	NP	NP	20.6
Turbidity	NTU	-	NE	7.95	NP	NP	NP	8.18	NP	NP	32
Dissolved Oxygen (DO)	mg/l	-	<5	9.71	NP	NP	NP	6.97	NP	NP	NT
Chloride (Cl)	mg/l	1	NE	1.1	NP	NP	NP	1.2	NP	NP	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE	52	NP	NP	NP	25	NP	NP	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NP	NP	NP	ND	NP	NP	NT
Total Organic Carbon (TOC)	mg/l	1	NE	1	NP	NP	NP	1	NP	NP	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Barium (Ba)	µg/l	10	NE	ND	NP	NP	NP	10	NP	NP	NT
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Chromium (Cr)	µg/l	5	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Silver (Ag)	µg/l	7	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Zinc (Zn)	µg/l	10	65	ND	NP	NP	NP	20	NP	NP	NT
Total Antimony (Sb)	µg/l	6	4300	NT	NP	NP	NP	NT	NP	NP	ND
Total Arsenic (As)	µg/l	50	50	NT	NP	NP	NP	NT	NP	NP	ND
Total Barium (Ba)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	20
Total Beryllium (Be)	µg/l	3	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Chromium (Cr)	µg/l	10	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Cobalt (Co)	µg/l	40	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Copper (Cu)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Lead (Pb)	µg/l	15	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Nickel (Ni)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	NP	NP	NP	ND	NP	NP	ND
Total Selenium (Se)	µg/l	10	NE	ND	NP	NP	NP	ND	NP	NP	ND
Total Silver (Ag)	µg/l	10	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	NP	NP	NP	NT	NP	NP	ND
Total Vanadium (V)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Zinc (Zn)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	40
Acetone	µg/l	100	NE	NT	NP	NP	NP	NT	NP	NP	ND
Benzene	µg/l	2	71	NT	NP	NP	NP	NT	NP	NP	ND
2-Butanone (MEK)	µg/l	100	NE	NT	NP	NP	NP	NT	NP	NP	ND
Carbon Disulfide	µg/l	5	NE	NT	NP	NP	NP	NT	NP	NP	15
Toluene	µg/l	2	200,000	NT	NP	NP	NP	NT	NP	NP	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	NP	NP	NP	NT	NP	NP	ND
Other Appendix I VOCs	µg/l	-	-	NT	NP	NP	NP	NT	NP	NP	ND

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

**Surface Water Sampling Event #5 (2-28-03)
Eagle Point MSW Landfill - Forsyth Co., Ga**

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12
pH	pH Units	-	<6.0; >8.5	7.79	NP	NP	NP	7.91	NP	NP	6.49
Specific Conductance	µS/cm	-	NE	18	NP	NP	NP	17	NP	NP	41
Temperature	C	-	32.2	10.6	NP	NP	NP	9.9	NP	NP	12.8
Turbidity	NTU	-	NE	44	NP	NP	NP	47	NP	NP	38
Dissolved Oxygen (DO)	mg/l	-	<5	8.69	NP	NP	NP	7.01	NP	NP	NT
Chloride (Cl)	mg/l	1	NE	1.5	NP	NP	NP	1.2	NP	NP	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE	27	NP	NP	NP	8	NP	NP	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NP	NP	NP	ND	NP	NP	NT
Total Organic Carbon (TOC)	mg/l	1	NE	1	NP	NP	NP	1	NP	NP	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Barium (Ba)	µg/l	10	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Chromium (Cr)	µg/l	5	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Silver (Ag)	µg/l	7	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Zinc (Zn)	µg/l	10	65	110	NP	NP	NP	ND	NP	NP	NT
Total Antimony (Sb)	µg/l	6	4300	NT	NP	NP	NP	NT	NP	NP	ND
Total Arsenic (As)	µg/l	50	50	NT	NP	NP	NP	NT	NP	NP	ND
Total Barium (Ba)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	40
Total Beryllium (Be)	µg/l	3	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Chromium (Cr)	µg/l	10	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Cobalt (Co)	µg/l	40	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Copper (Cu)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Lead (Pb)	µg/l	15	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Nickel (Ni)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	NP	NP	NP	ND	NP	NP	ND
Total Selenium (Se)	µg/l	10	NE	ND	NP	NP	NP	ND	NP	NP	ND
Total Silver (Ag)	µg/l	10	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	NP	NP	NP	NT	NP	NP	ND
Total Vanadium (V)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Zinc (Zn)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	140
Acetone	µg/l	100	NE	NT	NP	NP	NP	NT	NP	NP	ND
Benzene	µg/l	2	71	NT	NP	NP	NP	NT	NP	NP	ND
2-Butanone (MEK)	µg/l	100	NE	NT	NP	NP	NP	NT	NP	NP	ND
Carbon Disulfide	µg/l	5	NE	NT	NP	NP	NP	NT	NP	NP	27
Toluene	µg/l	2	200,000	NT	NP	NP	NP	NT	NP	NP	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	NP	NP	NP	NT	NP	NP	ND
Other Appendix I VOCs	µg/l	-	-	NT	NP	NP	NP	NT	NP	NP	ND

Notes:

ND = Not Detected at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #6 (7-23-03) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12
pH	pH Units	-	<6.0; >8.5	6.42	NP	NP	NP	6.37	NP	NP	6.18
Specific Conductance	µS/cm	-	NE	20	NP	NP	NP	17	NP	NP	24
Temperature	C	-	32.2	22.1	NP	NP	NP	22.5	NP	NP	20.3
Turbidity	NTU	-	NE	22	NP	NP	NP	11	NP	NP	10
Dissolved Oxygen (DO)	mg/l	-	<5	5.28	NP	NP	NP	5.61	NP	NP	NT
Chloride (Cl)	mg/l	1	NE	1.6	NP	NP	NP	1.5	NP	NP	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE	9	NP	NP	NP	ND	NP	NP	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NP	NP	NP	ND	NP	NP	NT
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Barium (Ba)	µg/l	10	NE	ND	NP	NP	NP	10	NP	NP	NT
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Chromium (Cr)	µg/l	5	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Silver (Ag)	µg/l	7	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Zinc (Zn)	µg/l	10	65	ND	NP	NP	NP	ND	NP	NP	NT
Total Antimony (Sb)	µg/l	6	4300	NT	NP	NP	NP	NT	NP	NP	ND
Total Arsenic (As)	µg/l	50	50	NT	NP	NP	NP	NT	NP	NP	ND
Total Barium (Ba)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	20
Total Beryllium (Be)	µg/l	3	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Chromium (Cr)	µg/l	10	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Cobalt (Co)	µg/l	40	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Copper (Cu)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Lead (Pb)	µg/l	15	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Nickel (Ni)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	NP	NP	NP	ND	NP	NP	ND
Total Selenium (Se)	µg/l	10	NE	ND	NP	NP	NP	ND	NP	NP	ND
Total Silver (Ag)	µg/l	10	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	NP	NP	NP	NT	NP	NP	ND
Total Vanadium (V)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Zinc (Zn)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	30
Acetone	µg/l	100	NE	NT	NP	NP	NP	NT	NP	NP	ND
Benzene	µg/l	2	71	NT	NP	NP	NP	NT	NP	NP	ND
2-Butanone (MEK)	µg/l	100	NE	NT	NP	NP	NP	NT	NP	NP	ND
Carbon Disulfide	µg/l	5	NE	NT	NP	NP	NP	NT	NP	NP	8
Toluene	µg/l	2	200,000	NT	NP	NP	NP	NT	NP	NP	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	NP	NP	NP	NT	NP	NP	ND
Other Appendix I VOCs	µg/l	-	-	NT	NP	NP	NP	NT	NP	NP	ND

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #7 (1-6-04)

Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12
pH	pH Units	-	<6.0; >8.5	6.99	NP	NP	NP	6.85	NP	NP	6.62
Specific Conductance	µS/cm	-	NE	13	NP	NP	NP	18	NP	NP	14
Temperature	C	-	32.2	1	NP	NP	NP	10.4	NP	NP	12.7
Turbidity	NTU	-	NE	7.76	NP	NP	NP	8.21	NP	NP	124
Dissolved Oxygen (DO)	mg/l	-	<5	8.5	NP	NP	NP	7.94	NP	NP	NT
Chloride (Cl)	mg/l	1	NE	1.5	NP	NP	NP	1.9	NP	NP	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE	ND	NP	NP	NP	ND	NP	NP	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NP	NP	NP	ND	NP	NP	NT
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Barium (Ba)	µg/l	10	NE	10	NP	NP	NP	20	NP	NP	NT
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Chromium (Cr)	µg/l	5	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Silver (Ag)	µg/l	7	NE	ND	NP	NP	NP	ND	NP	NP	NT
Dissolved Zinc (Zn)	µg/l	10	65	ND	NP	NP	NP	40	NP	NP	NT
Total Antimony (Sb)	µg/l	6	4300	NT	NP	NP	NP	NT	NP	NP	ND
Total Arsenic (As)	µg/l	50	50	NT	NP	NP	NP	NT	NP	NP	ND
Total Barium (Ba)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	80
Total Beryllium (Be)	µg/l	3	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Chromium (Cr)	µg/l	10	NE	NT	NP	NP	NP	NT	NP	NP	10
Total Cobalt (Co)	µg/l	40	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Copper (Cu)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Lead (Pb)	µg/l	15	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Nickel (Ni)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	NP	NP	NP	ND	NP	NP	ND
Total Selenium (Se)	µg/l	10	NE	ND	NP	NP	NP	ND	NP	NP	ND
Total Silver (Ag)	µg/l	10	NE	NT	NP	NP	NP	NT	NP	NP	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	NP	NP	NP	NT	NP	NP	ND
Total Vanadium (V)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	30
Total Zinc (Zn)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	110
Acetone	µg/l	100	NE	NT	NP	NP	NP	NT	NP	NP	ND
Benzene	µg/l	2	71	NT	NP	NP	NP	NT	NP	NP	ND
2-Butanone (MEK)	µg/l	100	NE	NT	NP	NP	NP	NT	NP	NP	ND
Carbon Disulfide	µg/l	5	NE	NT	NP	NP	NP	NT	NP	NP	ND
Toluene	µg/l	2	200,000	NT	NP	NP	NP	NT	NP	NP	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	NP	NP	NP	NT	NP	NP	ND
Other Appendix I VOCs	µg/l	-	-	NT	NP	NP	NP	NT	NP	NP	ND

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #8 (7-7-04) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	7.15	NP	NP	NP	7.04	NP	NP	5.99	6.82
Specific Conductance	µS/cm	-	NE	24	NP	NP	NP	24	NP	NP	47	59
Temperature	C	-	32.2	24.3	NP	NP	NP	24.1	NP	NP	18.2	19.6
Turbidity	NTU	-	NE	21	NP	NP	NP	21	NP	NP	10	12
Dissolved Oxygen (DO)	mg/l	-	<5	7.93	NP	NP	NP	8.17	NP	NP	NT	NT
Chloride (Cl)	mg/l	1	NE	1.3	NP	NP	NP	2	NP	NP	NT	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE	ND	NP	NP	NP	8	NP	NP	NT	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NP	NP	NP	ND	NP	NP	NT	NT
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NP	NP	NP	1	NP	NP	NT	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NP	NP	NP	ND	NP	NP	NT	NT
Dissolved Barium (Ba)	µg/l	10	NE	ND	NP	NP	NP	10	NP	NP	NT	NT
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	NP	NP	NP	ND	NP	NP	NT	NT
Dissolved Chromium (Cr)	µg/l	5	NE	ND	NP	NP	NP	ND	NP	NP	NT	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NP	NP	NP	ND	NP	NP	NT	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NP	NP	NP	ND	NP	NP	NT	NT
Dissolved Silver (Ag)	µg/l	7	NE	ND	NP	NP	NP	ND	NP	NP	NT	NT
Dissolved Zinc (Zn)	µg/l	10	65	ND	NP	NP	NP	ND	NP	NP	NT	NT
Total Antimony (Sb)	µg/l	6	4300	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Arsenic (As)	µg/l	50	50	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Barium (Ba)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	30	ND
Total Beryllium (Be)	µg/l	3	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Chromium (Cr)	µg/l	10	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Cobalt (Co)	µg/l	40	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Copper (Cu)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Lead (Pb)	µg/l	15	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Nickel (Ni)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	NP	NP	NP	ND	NP	NP	ND	ND
Total Selenium (Se)	µg/l	10	NE	ND	NP	NP	NP	ND	NP	NP	ND	ND
Total Silver (Ag)	µg/l	10	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Vanadium (V)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Total Zinc (Zn)	µg/l	20	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Acetone	µg/l	100	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Benzene	µg/l	2	71	NT	NP	NP	NP	NT	NP	NP	ND	ND
2-Butanone (MEK)	µg/l	100	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Carbon Disulfide	µg/l	5	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Toluene	µg/l	2	200,000	NT	NP	NP	NP	NT	NP	NP	ND	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	NP	NP	NP	NT	NP	NP	ND	ND
Other Appendix I VOCs	µg/l	-	-	NT	NP	NP	NP	NT	NP	NP	ND	ND

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #9 (1-12-05) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.54	6.55	6.73	NP	6.64	NP	NP	5.93	6.23
Specific Conductance	µS/cm	-	NE	25	177	111	NP	31	NP	NP	54	29
Temperature	C	-	32.2	11.5	12.9	13.3	NP	14.1	NP	NP	13	12.9
Turbidity	NTU	-	NE	5.14	7.01	4.96	NP	8.33	NP	NP	23	9.13
Dissolved Oxygen (DO)	mg/l	-	<5	6.5	NT	NT	NP	5.79	NP	NP	NT	NT
Chloride (Cl)	mg/l	1	NE	1.2	NT	NT	NP	2.2	NP	NP	NT	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE	7	NT	NT	NP	7	NP	NP	NT	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Organic Carbon (TOC)	mg/l	1	NE	1	NT	NT	NP	1	NP	NP	NT	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Barium (Ba)	µg/l	10	NE	ND	NT	NT	NP	20	NP	NP	NT	NT
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Chromium (Cr)	µg/l	5	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Silver (Ag)	µg/l	7	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Antimony (Sb)	µg/l	6	4300	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Arsenic (As)	µg/l	50	50	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Barium (Ba)	µg/l	20	NE	NT	20	ND	NP	NT	NP	NP	30	ND
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Cobalt (Co)	µg/l	40	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	ND	ND	NP	ND	NP	NP	ND	ND
Total Selenium (Se)	µg/l	10	NE	ND	ND	ND	NP	ND	NP	NP	ND	ND
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Zinc (Zn)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Acetone	µg/l	100	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Benzene	µg/l	2	71	NT	ND	ND	NP	NT	NP	NP	ND	ND
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Toluene	µg/l	2	200,000	NT	ND	ND	NP	NT	NP	NP	ND	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	NP	ND	ND

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #10 (7-21-05) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.66	6.73	6.71	NP	6.77	NP	NP	6.02	6.84
Specific Conductance	µS/cm	-	NE	29	177	176	NP	64	NP	NP	64	39
Temperature	C	-	32.2	22.5	27.3	27.7	NP	22.2	NP	NP	18.8	21.6
Turbidity	NTU	-	NE	61	11	11	NP	145	NP	NP	15	6.7
Dissolved Oxygen (DO)	mg/l	-	<5	4.44	NT	NT	NP	3.62	NP	NP	NT	NT
Chloride (Cl)	mg/l	1	NE	1.2	NT	NT	NP	1.6	NP	NP	NT	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE ND	ND	NT	NT	NP	18	NP	NP	NT	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Organic Carbon (TOC)	mg/l	1	NE	1	NT	NT	NP	2	NP	NP	NT	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Barium (Ba)	µg/l	10	NE ND	NT	NT	NT	NP	20	NP	NP	NT	NT
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Chromium (Cr)	µg/l	5	NE ND	NT	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Silver (Ag)	µg/l	7	NE ND	NT	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Antimony (Sb)	µg/l	6	4300	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Arsenic (As)	µg/l	50	50	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Barium (Ba)	µg/l	20	NE NT	ND		30	NP	NT	NP	NP	20	ND
Total Beryllium (Be)	µg/l	3	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Cadmium (Cd)	µg/l	5	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Chromium (Cr)	µg/l	10	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Cobalt (Co)	µg/l	40	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Copper (Cu)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Lead (Pb)	µg/l	15	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Nickel (Ni)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Mercury (Hg)	µg/l	0.5	NE ND	NT	NT	NT	NP	ND	NP	NP	NT	NT
Total Selenium (Se)	µg/l	10	NE ND	ND	ND	ND	NP	ND	NP	NP	ND	ND
Total Silver (Ag)	µg/l	10	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Vanadium (V)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Zinc (Zn)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Acetone	µg/l	100	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Benzene	µg/l	2	71	NT	ND	ND	NP	NT	NP	NP	ND	ND
2-Butanone (MEK)	µg/l	100	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Carbon Disulfide	µg/l	5	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Toluene	µg/l	2	200,000	NT	ND	ND	NP	NT	NP	NP	ND	ND
cis-1,2 Dichloroethene	µg/l	2	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	NP	ND	ND

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #11a (1-18-06)

Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	9.14	7.51	6.53	NP	6.6	NP	NP	4.41	6.64
Specific Conductance	µS/cm	-	NE	38	301	65	NP	30	NP	NP	13.5	32
Temperature	C	-	32.2	7.7	6	5.7	NP	6.4	NP	NP	8.8	5.6
Turbidity	NTU	-	NE	149	57	36	NP	140	NP	NP	30	19
Dissolved Oxygen (DO)	mg/l	-	<5	6.69	NT	NT	NP	6.53	NP	NP	NT	NT
Chloride (Cl)	mg/l	1	NE	1.7	NT	NT	NP	1.5	NP	NP	NT	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE	33	NT	NT	NP	50	NP	NP	NT	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Organic Carbon (TOC)	mg/l	1	NE	2	NT	NT	NP	3	NP	NP	NT	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Barium (Ba)	µg/l	10	NE	10	NT	NT	NP	20	NP	NP	NT	NT
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Chromium (Cr)	µg/l	5	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Silver (Ag)	µg/l	7	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Zinc (Zn)	µg/l	10	65	370	NT	NT	NP	50	NP	NP	NT	NT
Total Antimony (Sb)	µg/l	6	4300	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Arsenic (As)	µg/l	50	50	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Barium (Ba)	µg/l	20	NE	NT	40	ND	NP	NT	NP	NP	80	ND
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Cobalt (Co)	µg/l	40	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Selenium (Se)	µg/l	10	NE	ND	ND	ND	NP	ND	NP	NP	ND	ND
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Zinc (Zn)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	60	ND
Acetone	µg/l	100	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Benzene	µg/l	2	71	NT	ND	ND	NP	NT	NP	NP	ND	ND
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Toluene	µg/l	2	200,000	NT	ND	ND	NP	NT	NP	NP	ND	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	NP	ND	ND

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #11b (4-26-06) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	NS	NS	NS	NP	NS	NP	NP	NS	NS
Specific Conductance	µS/cm	-	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Temperature	C	-	32.2	NS	NS	NS	NP	NS	NP	NP	NS	NS
Turbidity	NTU	-	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Dissolved Oxygen (DO)	mg/l	-	<5	NS	NS	NS	NP	NS	NP	NP	NS	NS
Chloride (Cl)	mg/l	1	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Chemical Oxygen Demand (COD)	mg/l	5	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Cyanide	mg/l	0.02	0.0052	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Organic Carbon (TOC)	mg/l	1	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Dissolved Arsenic (As)	µg/l	10	150	NS	NS	NS	NP	NS	NP	NP	NS	NS
Dissolved Barium (Ba)	µg/l	10	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Dissolved Cadmium (Cd)	µg/l	3	1.3	NS	NS	NS	NP	NS	NP	NP	NS	NS
Dissolved Chromium (Cr)	µg/l	5	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Dissolved Lead (Pb)	µg/l	15	1.2	NS	NS	NS	NP	NS	NP	NP	NS	NS
Dissolved Nickel (Ni)	µg/l	5	29	NS	NS	NS	NP	NS	NP	NP	NS	NS
Dissolved Silver (Ag)	µg/l	7	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Dissolved Zinc (Zn)	µg/l	10	65	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Antimony (Sb)	µg/l	6	4300	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Arsenic (As)	µg/l	50	50	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Barium (Ba)	µg/l	20	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Beryllium (Be)	µg/l	3	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Cadmium (Cd)	µg/l	5	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Chromium (Cr)	µg/l	10	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Cobalt (Co)	µg/l	40	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Copper (Cu)	µg/l	20	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Lead (Pb)	µg/l	15	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Nickel (Ni)	µg/l	20	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Mercury (Hg)	µg/l	0.5	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Selenium (Se)	µg/l	10	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Silver (Ag)	µg/l	10	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Thallium (Tl)	µg/l	2	6.3	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Vanadium (V)	µg/l	20	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Total Zinc (Zn)	µg/l	20	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Acetone	µg/l	100	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Benzene	µg/l	2	71	NS	NS	NS	NP	NS	NP	NP	NS	NS
2-Butanone (MEK)	µg/l	100	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Carbon Disulfide	µg/l	5	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Toluene	µg/l	2	200,000	NS	NS	NS	NP	NS	NP	NP	NS	NS
cis-1,2 Dichloroethene	µg/l	2	NE	NS	NS	NS	NP	NS	NP	NP	NS	NS
Other Appendix I VOCs	µg/l	-	-	NS	NS	NS	NP	NS	NP	NP	NS	NS

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #12 (7-6-06) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.48	Dry	Dry	NP	8.94	NP	NP	Dry	Dry
Specific Conductance	µS/cm	-	NE	16	Dry	Dry	NP	40	NP	NP	Dry	Dry
Temperature	C	-	32.2	22.9	Dry	Dry	NP	23.9	NP	NP	Dry	Dry
Turbidity	NTU	-	NE	18	Dry	Dry	NP	14	NP	NP	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	4.68	Dry	Dry	NP	4.11	NP	NP	Dry	Dry
Chloride (Cl)	mg/l	1	NE	1.4	Dry	Dry	NP	1.6	NP	NP	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	5	NE	5	Dry	Dry	NP	21	NP	NP	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1	Dry	Dry	NP	2	NP	NP	Dry	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Barium (Ba)	µg/l	10	NE	ND	Dry	Dry	NP	10	NP	NP	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	NE	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Zinc (Zn)	µg/l	10	65	130	Dry	Dry	NP	40	NP	NP	Dry	Dry
Total Antimony (Sb)	µg/l	6	4300	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Arsenic (As)	µg/l	50	50	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Selenium (Se)	µg/l	10	NE	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Thallium (Tl)	µg/l	2	6.3	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Acetone	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Benzene	µg/l	2	71	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Toluene	µg/l	2	200,000	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #13 (1-4-07) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.61	7.07	7.54	NP	7.26	NP	NP	6.61	Dry
Specific Conductance	µS/cm	-	NE	44	501	98	NP	54	NP	NP	102	Dry
Temperature	C	-	32.2	7.5	12.1	11.2	NP	11	NP	NP	12.8	Dry
Turbidity	NTU	-	NE	8.79	32	22	NP	11	NP	NP	9.13	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	6.9	NT	NT	NP	5.34	NP	NP	NT	Dry
Chloride (Cl)	mg/l	1	NE	1.2	NT	NT	NP	1.2	NP	NP	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	5	NE	6	NT	NT	NP	ND	NP	NP	NT	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	NP	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NT	NT	NP	ND	NP	NP	NT	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	NP	ND	NP	NP	NT	Dry
Dissolved Barium (Ba)	µg/l	10	NE	ND	NT	NT	NP	ND	NP	NP	NT	Dry
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	NT	NT	NP	ND	NP	NP	NT	Dry
Dissolved Chromium (Cr)	µg/l	5	NE	ND	NT	NT	NP	ND	NP	NP	NT	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	NT	NP	ND	NP	NP	NT	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	NP	ND	NP	NP	NT	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	NT	NT	NP	ND	NP	NP	NT	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	NT	NP	ND	NP	NP	NT	Dry
Total Antimony (Sb)	µg/l	6	4300	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Arsenic (As)	µg/l	50	50	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	20	40	NP	NT	NP	NP	20	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	ND	ND	NP	ND	NP	NP	ND	Dry
Total Selenium (Se)	µg/l	10	NE	ND	ND	ND	NP	ND	NP	NP	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Thallium (Tl)	µg/l	2	6.3	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Acetone	µg/l	100	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Benzene	µg/l	2	71	NT	ND	ND	NP	NT	NP	NP	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Toluene	µg/l	2	200,000	NT	ND	ND	NP	NT	NP	NP	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	NP	NT	NP	NP	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	NP	ND	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

**Surface Water Sampling Event #14 (7-11-07)
Eagle Point MSW Landfill - Forsyth Co., Ga**

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.72	Dry	Dry	NP	7.41	NP	NP	Dry	Dry
Specific Conductance	µS/cm	-	NE	26	Dry	Dry	NP	34	NP	NP	Dry	Dry
Temperature	C	-	32.2	22.6	Dry	Dry	NP	23.2	NP	NP	Dry	Dry
Turbidity	NTU	-	NE	60	Dry	Dry	NP	52	NP	NP	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	0.31	Dry	Dry	NP	0.32	NP	NP	Dry	Dry
Chloride (Cl)	mg/l	1	NE	1.3	Dry	Dry	NP	1.6	NP	NP	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	5	NE	16	Dry	Dry	NP	11	NP	NP	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Organic Carbon (TOC)	mg/l	0.5	NE	1.8	Dry	Dry	NP	2.4	NP	NP	Dry	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Barium (Ba)	µg/l	10	NE	ND	Dry	Dry	NP	10	NP	NP	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	NE	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Antimony (Sb)	µg/l	6	4300	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Arsenic (As)	µg/l	50	50	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Selenium (Se)	µg/l	10	NE	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Thallium (Tl)	µg/l	2	6.3	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Acetone	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Benzene	µg/l	2	71	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Toluene	µg/l	2	200,000	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #15 (1-3-08) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	7.05	6.75	Dry	NP	7.48	NP	NP	Dry	6.14
Specific Conductance	µS/cm	-	NE	46	267	Dry	NP	42	NP	NP	Dry	331
Temperature	C	-	32.2	0.2	4.9	Dry	NP	2.1	NP	NP	Dry	0.2
Turbidity	NTU	-	NE	11	36	Dry	NP	5.53	NP	NP	Dry	2.12
Dissolved Oxygen (DO)	mg/l	-	<5	3.89	NT	NT	NP	3.61	NP	NP	NT	NT
Chloride (Cl)	mg/l	0.1	NE	1.5	NT	NT	NP	1.8	NP	NP	NT	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Barium (Ba)	µg/l	10	NE	ND	NT	NT	NP	10	NP	NP	NT	NT
Dissolved Cadmium (Cd)	µg/l	10	1.3	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Chromium (Cr)	µg/l	10	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Nickel (Ni)	µg/l	20	29	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Silver (Ag)	µg/l	10	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Zinc (Zn)	µg/l	20	65	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Antimony (Sb)	µg/l	6	4300	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Arsenic (As)	µg/l	10	50	NT	ND	Dry	NP	NT	NP	NP	Dry	10
Total Barium (Ba)	µg/l	20	NE	NT	60	Dry	NP	NT	NP	NP	Dry	20
Total Beryllium (Be)	µg/l	3	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Chromium (Cr)	µg/l	10	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Cobalt (Co)	µg/l	40	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Copper (Cu)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Lead (Pb)	µg/l	15	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Nickel (Ni)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	ND	Dry	NP	ND	NP	NP	Dry	ND
Total Selenium (Se)	µg/l	10	NE	ND	ND	Dry	NP	ND	NP	NP	Dry	ND
Total Silver (Ag)	µg/l	10	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Vanadium (V)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Total Zinc (Zn)	µg/l	20	NE	NT	220	Dry	NP	NT	NP	NP	Dry	ND
Acetone	µg/l	100	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Benzene	µg/l	2	71	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
2-Butanone (MEK)	µg/l	100	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Carbon Disulfide	µg/l	5	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Toluene	µg/l	2	200,000	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	Dry	NP	NT	NP	NP	Dry	ND
Other Appendix I VOCs	µg/l	-	-	NT	ND	Dry	NP	NT	NP	NP	Dry	ND

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #16 (7-2-08) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	5.67	Dry	Dry	NP	6.36	NP	NP	Dry	Dry
Specific Conductance	µS/cm	-	NE	108	Dry	Dry	NP	30	NP	NP	Dry	Dry
Temperature	C	-	32.2	20.4	Dry	Dry	NP	22.4	NP	NP	Dry	Dry
Turbidity	NTU	-	NE	5.75	Dry	Dry	NP	7.15	NP	NP	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	5.21	Dry	Dry	NP	5.96	NP	NP	Dry	Dry
Chloride (Cl)	mg/l	0.1	NE	1.4	Dry	Dry	NP	1.4	NP	NP	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	5	NE ND		Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	2	Dry	Dry	NP	2	NP	NP	Dry	Dry
Dissolved Arsenic (As)	µg/l	10	150 ND	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Barium (Ba)	µg/l	10	NE ND	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	10	1.3 ND	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Chromium (Cr)	µg/l	10	NE ND	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Lead (Pb)	µg/l	15	1.2 ND	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Nickel (Ni)	µg/l	20	29 ND	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Silver (Ag)	µg/l	10	NE ND	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Dissolved Zinc (Zn)	µg/l	20	65 ND	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Antimony (Sb)	µg/l	6	4300 NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Arsenic (As)	µg/l	10	50 NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Barium (Ba)	µg/l	20	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Cobalt (Co)	µg/l	10	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Copper (Cu)	µg/l	20	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Lead (Pb)	µg/l	15	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE ND	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Selenium (Se)	µg/l	10	NE ND	ND	Dry	Dry	NP	ND	NP	NP	Dry	Dry
Total Silver (Ag)	µg/l	10	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Thallium (Tl)	µg/l	2	6.3 NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Vanadium (V)	µg/l	20	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Acetone	µg/l	100	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Benzene	µg/l	2	71 NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Carbon Disulfide	µg/l	5	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Toluene	µg/l	2	200,000 NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry
Other Appendix I VOCs	µg/l	-	- NT	NT	Dry	Dry	NP	NT	NP	NP	Dry	Dry

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #17 (1-6-09) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.45	6.48	6.52	NP	5.21	NP	NP	5.61	6.03
Specific Conductance	µS/cm	-	NE	21	218	158	NP	20	NP	NP	57	19
Temperature	C	-	32.2	12.3	12.8	12.1	NP	12.4	NP	NP	11.8	11.3
Turbidity	NTU	-	NE	71	54	64	NP	69	NP	NP	27	11
Dissolved Oxygen (DO)	mg/l	-	<5	11.17	NT	NT	NP	10.63	NP	NP	NT	NT
Chloride (Cl)	mg/l	0.2	NE	1.8	NT	NT	NP	1.5	NP	NP	NT	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE	26	NT	NT	NP	31	NP	NP	NT	NT
Total Cyanide	mg/l	0.004	0.0052	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Organic Carbon (TOC)	mg/l	1	NE	3.2	NT	NT	NP	2.9	NP	NP	NT	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Barium (Ba)	µg/l	20	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Cadmium (Cd)	µg/l	5	1.3	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Chromium (Cr)	µg/l	10	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Nickel (Ni)	µg/l	20	29	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Silver (Ag)	µg/l	10	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Zinc (Zn)	µg/l	20	65	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Antimony (Sb)	µg/l	6	4300	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Arsenic (As)	µg/l	10	50	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Barium (Ba)	µg/l	20	NE	NT	55	61	NP	NT	NP	NP	41	ND
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Cobalt (Co)	µg/l	40	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Nickel (Ni)	µg/l	40	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Selenium (Se)	µg/l	10	NE	ND	ND	ND	NP	ND	NP	NP	ND	ND
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Zinc (Zn)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Acetone	µg/l	100	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Benzene	µg/l	2	71	NT	ND	ND	NP	NT	NP	NP	ND	ND
2-Butanone (MEK)	µg/l	100	NE	NT	120	ND	NP	NT	NP	NP	ND	ND
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Toluene	µg/l	2	200,000	NT	ND	ND	NP	NT	NP	NP	ND	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	NP	NT	NP	NP	ND	ND
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	NP	ND	ND

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #18 (7-6-09) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	7.39	Dry	Dry	NP	8.07	NP	NP	5.86	5.44
Specific Conductance	µS/cm	-	NE	32	Dry	Dry	NP	33	NP	NP	114	41
Temperature	C	-	32.2	23.7	Dry	Dry	NP	23.9	NP	NP	22.5	23.7
Turbidity	NTU	-	NE	4	Dry	Dry	NP	6	NP	NP	42	30
Dissolved Oxygen (DO)	mg/l	-	<5	6.27	Dry	Dry	NP	7.07	NP	NP	NT	NT
Chloride (Cl)	mg/l	1	NE	1.9	Dry	Dry	NP	1.4	NP	NP	NT	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Total Organic Carbon (TOC)	mg/l	1	NE	3.3	Dry	Dry	NP	1.3	NP	NP	NT	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Barium (Ba)	µg/l	10	NE	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Cadmium (Cd)	µg/l	10	1.3	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Chromium (Cr)	µg/l	10	NE	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Lead (Pb)	µg/l	25	1.2	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Nickel (Ni)	µg/l	40	29	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Silver (Ag)	µg/l	10	NE	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Zinc (Zn)	µg/l	20	65	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Total Antimony (Sb)	µg/l	6	4300	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Arsenic (As)	µg/l	10	50	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Barium (Ba)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	34	ND
Total Beryllium (Be)	µg/l	3	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Chromium (Cr)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Cobalt (Co)	µg/l	40	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Copper (Cu)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Lead (Pb)	µg/l	15	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Nickel (Ni)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Total Selenium (Se)	µg/l	40	NE	ND	Dry	Dry	NP	ND	NP	NP	ND	ND
Total Silver (Ag)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Vanadium (V)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Zinc (Zn)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Acetone	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Benzene	µg/l	2	71	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
2-Butanone (MEK)	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Carbon Disulfide	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Toluene	µg/l	2	200,000	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Other Appendix I VOCs	µg/l	-	-	NT	Dry	Dry	NP	NT	NP	NP	ND	ND

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #19 (1-6-10) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.63	6.88	7.11	NP	5.77	NP	NP	6.18	6.26
Specific Conductance	µS/cm	-	NE	22	282	321	NP	22	NP	NP	45	29
Temperature	C	-	32.2	2.6	5.1	3.5	NP	2.3	NP	NP	8.8	5.9
Turbidity	NTU	-	NE	11	152	7	NP	23	NP	NP	6	7
Dissolved Oxygen (DO)	mg/l	-	<5	14.75	NT	NT	NP	13.66	NP	NP	NT	NT
Chloride (Cl)	mg/l	1	NE	1.4	NT	NT	NP	1.4	NP	NP	NT	NT
Chemical Oxygen Demand (COD)	mg/l	5	NE ND	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Organic Carbon (TOC)	mg/l	1	NE ND	NT	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Barium (Ba)	µg/l	10	NE ND	NT	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Chromium (Cr)	µg/l	5	NE ND	NT	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Silver (Ag)	µg/l	7	NE ND	NT	NT	NT	NP	ND	NP	NP	NT	NT
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	NT	NP	ND	NP	NP	NT	NT
Total Antimony (Sb)	µg/l	6	4300	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Arsenic (As)	µg/l	50	50	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Barium (Ba)	µg/l	20	NE NT	NT	67	70	NP	NT	NP	NP	22	ND
Total Beryllium (Be)	µg/l	3	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Cadmium (Cd)	µg/l	5	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Chromium (Cr)	µg/l	10	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Cobalt (Co)	µg/l	40	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Copper (Cu)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Lead (Pb)	µg/l	15	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Nickel (Ni)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Mercury (Hg)	µg/l	0.5	NE ND	NT	NT	NT	NP	ND	NP	NP	NT	NT
Total Selenium (Se)	µg/l	10	NE ND	ND	ND	ND	NP	ND	NP	NP	ND	ND
Total Silver (Ag)	µg/l	10	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	ND	ND	NP	NT	NP	NP	ND	ND
Total Vanadium (V)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Total Zinc (Zn)	µg/l	20	NE NT	NT	32	ND	NP	NT	NP	NP	ND	ND
Acetone	µg/l	100	NE NT	NT	160	120	NP	NT	NP	NP	ND	ND
Benzene	µg/l	2	71	NT	ND	ND	NP	NT	NP	NP	ND	ND
2-Butanone (MEK)	µg/l	100	NE NT	NT	130	150	NP	NT	NP	NP	ND	ND
Carbon Disulfide	µg/l	5	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Toluene	µg/l	2	200,000	NT	ND	ND	NP	NT	NP	NP	ND	ND
cis-1,2 Dichloroethene	µg/l	2	NE NT	ND	ND	ND	NP	NT	NP	NP	ND	ND
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	NP	ND	ND

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #20 (7-8-10) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.19	Dry	Dry	NP	6.83	NP	NP	6.67	5.96
Specific Conductance	µS/cm	-	NE	25	Dry	Dry	NP	25	NP	NP	64	109
Temperature	C	-	32.2	23	Dry	Dry	NP	23	NP	NP	17.8	16.7
Turbidity	NTU	-	NE	4	Dry	Dry	NP	5	NP	NP	40	30
Dissolved Oxygen (DO)	mg/l	-	<5	8.95	Dry	Dry	NP	8.43	NP	NP	NT	NT
Chloride (Cl)	mg/l	1	NE	1.6	Dry	Dry	NP	1.6	NP	NP	NT	NT
Chemical Oxygen Demand (COD)	mg/l	20	NE ND	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Total Organic Carbon (TOC)	mg/l	1	NE ND	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Arsenic (As)	µg/l	10	150	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Barium (Ba)	µg/l	10	NE ND	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Cadmium (Cd)	µg/l	10	1.3	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Chromium (Cr)	µg/l	10	NE ND	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Lead (Pb)	µg/l	25	1.2	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Nickel (Ni)	µg/l	40	29	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Silver (Ag)	µg/l	10	NE ND	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Dissolved Zinc (Zn)	µg/l	20	65	ND	Dry	Dry	NP	ND	NP	NP	NT	NT
Total Antimony (Sb)	µg/l	6	4300	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Arsenic (As)	µg/l	10	50	NT	Dry	Dry	NP	NT	NP	NP	ND	24
Total Barium (Ba)	µg/l	20	NE NT	ND	Dry	Dry	NP	NT	NP	NP	26	34
Total Beryllium (Be)	µg/l	3	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Cadmium (Cd)	µg/l	5	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Chromium (Cr)	µg/l	10	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Cobalt (Co)	µg/l	40	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Copper (Cu)	µg/l	20	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Lead (Pb)	µg/l	15	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Nickel (Ni)	µg/l	20	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Mercury (Hg)	µg/l	0.5	NE NT	ND	Dry	Dry	NP	NT	NP	NP	NT	NT
Total Selenium (Se)	µg/l	10	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Silver (Ag)	µg/l	10	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Thallium (Tl)	µg/l	2	6.3	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Vanadium (V)	µg/l	20	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Total Zinc (Zn)	µg/l	20	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Acetone	µg/l	100	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Benzene	µg/l	2	71	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
2-Butanone (MEK)	µg/l	100	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Carbon Disulfide	µg/l	5	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Toluene	µg/l	2	200,000	NT	Dry	Dry	NP	NT	NP	NP	ND	ND
cis-1,2 Dichloroethene	µg/l	2	NE NT	ND	Dry	Dry	NP	NT	NP	NP	ND	ND
Other Appendix I VOCs	µg/l	-	-	NT	Dry	Dry	NP	NT	NP	NP	ND	ND

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

SWC-7TG was re-sampled on September 28, 2010. The re-sampling results are presented on this Table.

Surface Water Sampling Event #21 (1-7-11) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.8	Dry	6.78	NP	7.02	NP	Dry	Dry	Dry
Specific Conductance	µS/cm	-	NE	26	Dry	128	NP	17	NP	Dry	Dry	Dry
Temperature	C	-	32.2	4.5	Dry	7	NP	5.2	NP	Dry	Dry	Dry
Turbidity	NTU	-	NE	1	Dry	7	NP	0	NP	Dry	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	4.39	Dry	NT	NP	5.63	NP	Dry	Dry	Dry
Chloride (Cl)	mg/l	1	NE	1.9	Dry	NT	NP	1.7	NP	Dry	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	5	NE	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Dissolved Barium (Ba)	µg/l	10	NE	9.6	Dry	NT	NP	9.1	NP	Dry	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	3	1.3	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	NE	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Total Antimony (Sb)	µg/l	6	4300	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Arsenic (As)	µg/l	50	50	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	Dry	46.4	NP	NT	NP	Dry	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	Dry	NT	NP	ND	NP	Dry	Dry	Dry
Total Selenium (Se)	µg/l	10	NE	ND	Dry	ND	NP	ND	NP	Dry	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Thallium (Tl)	µg/l	2	6.3	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	Dry	22.8	NP	NT	NP	Dry	Dry	Dry
Acetone	µg/l	100	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Benzene	µg/l	2	71	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Toluene	µg/l	2	200,000	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	Dry	ND	NP	NT	NP	Dry	Dry	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #22 (7-5-11) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.18	Dry	Dry	NP	7.82	NP	Dry	Dry	Dry
Specific Conductance	µS/cm	-	NE	26	Dry	Dry	NP	232	NP	Dry	Dry	Dry
Temperature	C	-	32.2	24.1	Dry	Dry	NP	24.5	NP	Dry	Dry	Dry
Turbidity	NTU	-	NE	23	Dry	Dry	NP	55	NP	Dry	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	6.69	Dry	Dry	NP	5.12	NP	Dry	Dry	Dry
Chloride (Cl)	mg/l	1	NE	1.6	Dry	Dry	NP	1.5	NP	Dry	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.9	Dry	Dry	NP	2.1	NP	Dry	Dry	Dry
Dissolved Arsenic (As)	µg/l	5	150	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Barium (Ba)	µg/l	5	NE	10	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	0.5	1.3	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Lead (Pb)	µg/l	1	1.2	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Silver (Ag)	µg/l	5	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Antimony (Sb)	µg/l	6	4300	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Arsenic (As)	µg/l	10	50	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	Dry	Dry	NP	9.7	NP	Dry	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Selenium (Se)	µg/l	5	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Thallium (Tl)	µg/l	2	6.3	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Acetone	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Benzene	µg/l	2	71	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Toluene	µg/l	2	200,000	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #23 (1-5-12) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	5.71	6.13	Dry	NP	6.39	NP	Dry	Dry	Dry
Specific Conductance	µS/cm	-	NE	30	247	Dry	NP	33	NP	Dry	Dry	Dry
Temperature	C	-	32.2	1.9	7.5	Dry	NP	2.6	NP	Dry	Dry	Dry
Turbidity	NTU	-	NE	8	37	Dry	NP	1	NP	Dry	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	9.68	NT	Dry	NP	8.95	NP	Dry	Dry	Dry
Chloride (Cl)	mg/l	1	NE	1.6	NT	Dry	NP	1.7	NP	Dry	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Barium (Ba)	µg/l	10	NE	10.1	NT	Dry	NP	10.4	NP	Dry	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	3	0.15	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Arsenic (As)	µg/l	50	50	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	45.2	Dry	NP	NT	NP	Dry	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Selenium (Se)	µg/l	10	NE	ND	ND	Dry	NP	ND	NP	Dry	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Acetone	µg/l	100	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Benzene	µg/l	2	51	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Toluene	µg/l	2	5,980	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #24 (7-5-12) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	7.02	Dry	Dry	NP	7.06	NP	6.73	Dry	5.68
Specific Conductance	µS/cm	-	NE	35	Dry	Dry	NP	38	NP	118	Dry	47
Temperature	C	-	32.2	34.05	Dry	Dry	NP	32.01	NP	27.4	Dry	21
Turbidity	NTU	-	NE	14	Dry	Dry	NP	26	NP	96	Dry	17
Dissolved Oxygen (DO)	mg/l	-	<5	31	Dry	Dry	NP	31	NP	NT	Dry	NT
Chloride (Cl)	mg/l	1	NE	1.5	Dry	Dry	NP	1.5	NP	NT	Dry	NT
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	Dry	Dry	NP	ND	NP	NT	Dry	NT
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	Dry	NP	ND	NP	NT	Dry	NT
Total Organic Carbon (TOC)	mg/l	1	NE	1.6	Dry	Dry	NP	1.6	NP	NT	Dry	NT
Dissolved Arsenic (As)	µg/l	5	150	ND	Dry	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Barium (Ba)	µg/l	5	NE	12.4	Dry	Dry	NP	13	NP	NT	Dry	NT
Dissolved Cadmium (Cd)	µg/l	0.5	0.15	ND	Dry	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Chromium (Cr)	µg/l	5	11	ND	Dry	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Lead (Pb)	µg/l	10	1.2	ND	Dry	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	Dry	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Silver (Ag)	µg/l	5	NE	ND	Dry	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Zinc (Zn)	µg/l	10	65	ND	Dry	Dry	NP	ND	NP	NT	Dry	NT
Total Antimony (Sb)	µg/l	6	640	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Arsenic (As)	µg/l	10	50	NT	Dry	Dry	NP	NT	NP	ND	Dry	15.1
Total Barium (Ba)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	49.7	Dry	21.4
Total Beryllium (Be)	µg/l	3	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Chromium (Cr)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Cobalt (Co)	µg/l	40	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Copper (Cu)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Lead (Pb)	µg/l	15	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Nickel (Ni)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	Dry	Dry	NP	ND	NP	NT	Dry	NT
Total Selenium (Se)	µg/l	10	NE	ND	Dry	Dry	NP	ND	NP	ND	Dry	ND
Total Silver (Ag)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Thallium (Tl)	µg/l	2	0.47	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Vanadium (V)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Total Zinc (Zn)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Acetone	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Benzene	µg/l	2	51	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
2-Butanone (MEK)	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Carbon Disulfide	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Toluene	µg/l	2	5,980	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND
Other Appendix I VOCs	µg/l	-	-	NT	Dry	Dry	NP	NT	NP	ND	Dry	ND

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established ; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #25 (1-8-13) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	5.85	5.78	Dry	NP	5.85	NP	5.84	Dry	6.25
Specific Conductance	µS/cm	-	NE	255	226	Dry	NP	94	NP	92	Dry	140
Temperature	C	-	32.2	6.01	6.1	Dry	NP	15.36	NP	7.33	Dry	14.64
Turbidity	NTU	-	NE	0	63	Dry	NP	41	NP	127	Dry	131
Dissolved Oxygen (DO)	mg/l	-	<5	12.59	NT	Dry	NP	3.85	NP	NT	Dry	NT
Chloride (Cl)	mg/l	1	NE	1.7	NT	Dry	NP	12	NP	NT	Dry	NT
Chemical Oxygen Demand (COD)	mg/l	10	NE ND	NT	Dry	NP	NP	71	NP	NT	Dry	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NT	Dry	NP	0.07	NP	NT	Dry	NT
Total Organic Carbon (TOC)	mg/l	1	NE ND	NT	Dry	NP	NP	19.6	NP	NT	Dry	NT
Dissolved Arsenic (As)	µg/l	5	150	ND	NT	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Barium (Ba)	µg/l	5	NE ND	NT	Dry	NP	NP	33.4	NP	NT	Dry	NT
Dissolved Cadmium (Cd)	µg/l	0.5	0.15	ND	NT	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Lead (Pb)	µg/l	10	1.2	ND	NT	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	Dry	NP	ND	NP	NT	Dry	NT
Dissolved Silver (Ag)	µg/l	5	NE ND	NT	Dry	NP	NP	ND	NP	NT	Dry	NT
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	Dry	NP	17.7	NP	NT	Dry	NT
Total Antimony (Sb)	µg/l	6	640	NT	ND	Dry	NP	NT	NP	ND	Dry	ND
Total Arsenic (As)	µg/l	10	50	NT	ND	Dry	NP	NT	NP	ND	Dry	35.3
Total Barium (Ba)	µg/l	20	NE NT	NT	45.8	Dry	NP	NT	NP	31.1	Dry	20.4
Total Beryllium (Be)	µg/l	3	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Total Cadmium (Cd)	µg/l	5	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Total Chromium (Cr)	µg/l	10	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Total Cobalt (Co)	µg/l	40	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Total Copper (Cu)	µg/l	20	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Total Lead (Pb)	µg/l	15	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Total Nickel (Ni)	µg/l	20	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Total Mercury (Hg)	µg/l	0.5	NE ND	NT	Dry	NP	NP	ND	NP	NT	Dry	NT
Total Selenium (Se)	µg/l	10	NE ND	ND	Dry	NP	NP	ND	NP	ND	Dry	ND
Total Silver (Ag)	µg/l	10	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	Dry	NP	NT	NP	ND	Dry	ND
Total Vanadium (V)	µg/l	20	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Total Zinc (Zn)	µg/l	20	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Acetone	µg/l	100	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Benzene	µg/l	2	51	NT	ND	Dry	NP	NT	NP	ND	Dry	ND
2-Butanone (MEK)	µg/l	100	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Carbon Disulfide	µg/l	5	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Toluene	µg/l	2	5,980	NT	ND	Dry	NP	NT	NP	ND	Dry	ND
cis-1,2 Dichloroethene	µg/l	2	NE NT	ND	Dry	NP	NP	NT	NP	ND	Dry	ND
Other Appendix I VOCs	µg/l	-	-	NT	ND	Dry	NP	NT	NP	ND	Dry	ND

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #26 (7-3-13) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	7.22	6.98	6.29	NP	6.98	NP	Dry	6.58	Dry
Specific Conductance	µS/cm	-	NE	30	241	21	NP	48	NP	Dry	134	Dry
Temperature	C	-	32.2	14.8	23.6	22.0	NP	16.3	NP	Dry	18.8	Dry
Turbidity	NTU	-	NE	19	1076	1009	NP	280	NP	Dry	52	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	7.89	NT	NT	NP	2.81	NP	Dry	NT	Dry
Chloride (Cl)	mg/l	1	NE	3.1	NT	NT	NP	1.3	NP	Dry	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	5	NE	ND	NT	NT	NP	58	NP	Dry	NT	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.8	NT	NT	NP	7.1	NP	Dry	NT	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Barium (Ba)	µg/l	10	NE	9.6	NT	NT	NP	6.0	NP	Dry	NT	Dry
Dissolved Cadmium (Cd)	µg/l	3	0.15	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Arsenic (As)	µg/l	50	50	NT	12.2	13.1	NP	NT	NP	Dry	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	140	148	NP	NT	NP	Dry	50.8	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	18.4	31.1	NP	NT	NP	Dry	ND	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	52.4	ND	NP	NT	NP	Dry	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	37.7	34.8	NP	NT	NP	Dry	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	21	18.4	NP	NT	NP	Dry	ND	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	NT	NP	ND	NP	Dry	NT	NT
Total Selenium (Se)	µg/l	10	NE	ND	ND	ND	NP	ND	NP	Dry	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	61.4	73.5	NP	NT	NP	Dry	ND	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	65.1	64.3	NP	NT	NP	Dry	54.4	Dry
Acetone	µg/l	100	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Benzene	µg/l	2	51	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Toluene	µg/l	2	5,980	NT	22	ND	NP	NT	NP	Dry	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	Dry	ND	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #27 (2-5-14) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	7.09	6.18	6.42	NP	7.50	NP	Dry	6.61	Dry
Specific Conductance	µS/cm	-	NE	25	195	292	NP	26	NP	Dry	39	Dry
Temperature	C	-	32.2	8.4	8.6	8.6	NP	8.3	NP	Dry	9.5	Dry
Turbidity	NTU	-	NE	35	70	44	NP	80	NP	Dry	22	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	11.00	NT	NT	NP	10.28	NP	Dry	NT	Dry
Chloride (Cl)	mg/l	1	NE	1.6	NT	NT	NP	1.7	NP	Dry	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	NT	NT	NP	16	NP	Dry	NT	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.1	NT	NT	NP	1.1	NP	Dry	NT	Dry
Dissolved Arsenic (As)	µg/l	5	150	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Barium (Ba)	µg/l	5	NE	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Cadmium (Cd)	µg/l	0.5	0.15	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Lead (Pb)	µg/l	1	1.2	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Silver (Ag)	µg/l	5	NE	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Arsenic (As)	µg/l	50	50	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	42.7	71.5	NP	NT	NP	Dry	134	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	61.7	NP	NT	NP	Dry	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	NP	NT	NP	Dry	20	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	ND	ND	NP	ND	NP	Dry	ND	Dry
Total Selenium (Se)	µg/l	5	NE	ND	ND	ND	NP	ND	NP	Dry	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	37.8	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	28.3	NP	NT	NP	Dry	50.7	Dry
Acetone	µg/l	100	NE	NT	ND	250	NP	NT	NP	Dry	ND	Dry
Benzene	µg/l	2	51	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	180	NP	NT	NP	Dry	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	Dry	ND	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

**Surface Water Sampling Event #28 (7-23-14)
Eagle Point MSW Landfill - Forsyth Co., Ga**

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	7.65	Dry	6.54	NP	5.24	NP	Dry	6.46	Dry
Specific Conductance	µS/cm	-	NE	36	Dry	194	NP	194	NP	Dry	142	Dry
Temperature	C	-	32.2	21.7	Dry	24.6	NP	25.6	NP	Dry	19.4	Dry
Turbidity	NTU	-	NE	11	Dry	43	NP	15	NP	Dry	93	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	8.94	Dry	NT	NP	8.3	NP	Dry	NT	Dry
Chloride (Cl)	mg/l	1	NE	1.4	Dry	NT	NP	1.4	NP	Dry	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	Dry	NT	NP	ND	NP	Dry	NT	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	NT	NP	ND	NP	Dry	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.5	Dry	NT	NP	1.3	NP	Dry	NT	Dry
Dissolved Arsenic (As)	µg/l	5	150	ND	Dry	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Barium (Ba)	µg/l	5	NE	5.6	Dry	NT	NP	5.8	NP	Dry	NT	Dry
Dissolved Cadmium (Cd)	µg/l	0.5	0.15	ND	Dry	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	Dry	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Lead (Pb)	µg/l	10	1.2	ND	Dry	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	Dry	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Silver (Ag)	µg/l	5	NE	ND	Dry	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	Dry	NT	NP	ND	NP	Dry	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Total Arsenic (As)	µg/l	50	50	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	Dry	62.6	NP	NT	NP	Dry	120	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	Dry	ND	NP	NT	NP	Dry	12.2	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	Dry	ND	NP	NT	NP	Dry	19.6	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	Dry	NT	NP	ND	NP	Dry	NT	Dry
Total Selenium (Se)	µg/l	5	NE	ND	Dry	ND	NP	ND	NP	Dry	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	Dry	ND	NP	NT	NP	Dry	29.2	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	Dry	21.6	NP	NT	NP	Dry	115	Dry
Acetone	µg/l	100	NE	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Benzene	µg/l	2	51	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Toluene	µg/l	2	5,980	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	Dry	ND	NP	NT	NP	Dry	ND	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #29 (1-28-15) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.17	4.01	Dry	NP	6.15	NP	Dry	Dry	Dry
Specific Conductance	µS/cm	-	NE	34	88	Dry	NP	30	NP	Dry	Dry	Dry
Temperature	C	-	32.2	6.4	5.7	Dry	NP	6.4	NP	Dry	Dry	Dry
Turbidity	NTU	-	NE	6	27	Dry	NP	19	NP	Dry	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	9.41	NT	Dry	NP	10.94	NP	Dry	Dry	Dry
Chloride (Cl)	mg/l	1	NE	1.6	NT	Dry	NP	1.6	NP	Dry	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Barium (Ba)	µg/l	10	NE	6.4	NT	Dry	NP	7.2	NP	Dry	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	3	0.15	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Arsenic (As)	µg/l	10	50	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	32	Dry	NP	NT	NP	Dry	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Selenium (Se)	µg/l	10	NE	ND	ND	Dry	NP	ND	NP	Dry	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Acetone	µg/l	100	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Benzene	µg/l	2	51	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Toluene	µg/l	2	5,980	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

**Surface Water Sampling Event #30 (7-8-15)
Eagle Point MSW Landfill - Forsyth Co., Ga**

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.18	6.89	6.46	NP	6.46	NP	Dry	6.88	5.81
Specific Conductance	µS/cm	-	NE	33	299	110	NP	49	NP	Dry	57	177
Temperature	C	-	32.2	23.4	27.2	29.2	NP	23.3	NP	Dry	19.8	18.6
Turbidity	NTU	-	NE	4	8	13	NP	12	NP	Dry	38	26
Dissolved Oxygen (DO)	mg/l	-	<5	7.74	NT	NT	NP	6.41	NP	Dry	NT	NT
Chloride (Cl)	mg/l	1	NE	1.8	NT	NT	NP	2.1	NP	Dry	NT	NT
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	NT	NT	NP	ND	NP	Dry	NT	NT
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	Dry	NT	NT
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NT	NT	NP	2.1	NP	Dry	NT	NT
Dissolved Arsenic (As)	µg/l	5	150	ND	NT	NT	NP	ND	NP	Dry	NT	NT
Dissolved Barium (Ba)	µg/l	5	NE	5.8	NT	NT	NP	7	NP	Dry	NT	NT
Dissolved Cadmium (Cd)	µg/l	0.5	0.15	ND	NT	NT	NP	ND	NP	Dry	NT	NT
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	NT	NP	ND	NP	Dry	NT	NT
Dissolved Lead (Pb)	µg/l	1	1.2	ND	NT	NT	NP	ND	NP	Dry	NT	NT
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	NP	ND	NP	Dry	NT	NT
Dissolved Silver (Ag)	µg/l	5	NE	ND	NT	NT	NP	ND	NP	Dry	NT	NT
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	NT	NP	10.6	NP	Dry	NT	NT
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Arsenic (As)	µg/l	10	50	NT	ND	ND	NP	NT	NP	Dry	ND	18.5
Total Barium (Ba)	µg/l	20	NE	NT	26.6	ND	NP	NT	NP	Dry	72	24.7
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Cobalt (Co)	µg/l	40	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	NT	NP	ND	NP	Dry	NT	NT
Total Selenium (Se)	µg/l	10	NE	ND	ND	ND	NP	ND	NP	Dry	ND	ND
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Total Zinc (Zn)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	46.3	ND
Acetone	µg/l	100	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Benzene	µg/l	2	51	NT	ND	ND	NP	NT	NP	Dry	ND	ND
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Toluene	µg/l	2	5,980	NT	ND	ND	NP	NT	NP	Dry	ND	ND
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	NP	NT	NP	Dry	ND	ND
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	Dry	ND	ND

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #31 (1-29-16)
Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	8.14	7.25	7.11	NP	8.11	NP	6.79	6.21	Dry
Specific Conductance	µS/cm	-	NE	49	141	422	NP	53	NP	207	246	Dry
Temperature	C	-	32.2	6.8	6.2	6.2	NP	7.6	NP	8.4	12.1	Dry
Turbidity	NTU	-	NE	2	116	27	NP	2	NP	4	11	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	8.54	NT	NT	NP	8.31	NP	NT	NT	Dry
Chloride (Cl)	mg/l	1	NE	1.5	NT	NT	NP	ND	NP	NT	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	11	NT	NT	NP	ND	NP	NT	NT	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	NT	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE ND	NT	NT	NT	NP	ND	NP	NT	NT	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	NP	ND	NP	NT	NT	Dry
Dissolved Barium (Ba)	µg/l	20	NE ND	NT	NT	NT	NP	ND	NP	NT	NT	Dry
Dissolved Cadmium (Cd)	µg/l	5	0.15	ND	NT	NT	NP	ND	NP	NT	NT	Dry
Dissolved Chromium (Cr)	µg/l	10	11	ND	NT	NT	NP	ND	NP	NT	NT	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	NT	NP	ND	NP	NT	NT	Dry
Dissolved Nickel (Ni)	µg/l	20	29	ND	NT	NT	NP	ND	NP	NT	NT	Dry
Dissolved Silver (Ag)	µg/l	10	NE ND	NT	NT	NT	NP	ND	NP	NT	NT	Dry
Dissolved Zinc (Zn)	µg/l	20	65	ND	NT	NT	NP	ND	NP	NT	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	NP	NT	NP	ND	ND	Dry
Total Arsenic (As)	µg/l	50	50	NT	ND	ND	NP	NT	NP	ND	ND	Dry
Total Barium (Ba)	µg/l	20	NE NT		50.2	76.8	NP	NT	NP	ND	41.4	Dry
Total Beryllium (Be)	µg/l	3	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Total Chromium (Cr)	µg/l	10	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Total Cobalt (Co)	µg/l	40	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Total Copper (Cu)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Total Lead (Pb)	µg/l	15	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Total Nickel (Ni)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Total Mercury (Hg)	µg/l	0.5	NE ND	NT	NT	NT	NP	ND	NP	NT	NT	Dry
Total Selenium (Se)	µg/l	10	NE ND	ND	ND	ND	NP	ND	NP	ND	ND	Dry
Total Silver (Ag)	µg/l	10	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	NP	NT	NP	ND	ND	Dry
Total Vanadium (V)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Total Zinc (Zn)	µg/l	20	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Acetone	µg/l	100	NE NT	ND		250	NP	NT	NP	ND	ND	Dry
Benzene	µg/l	2	51	NT	ND	ND	NP	NT	NP	ND	ND	Dry
2-Butanone (MEK)	µg/l	100	NE NT	ND		250	NP	NT	NP	ND	ND	Dry
Carbon Disulfide	µg/l	5	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	NP	NT	NP	ND	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE NT	ND	ND	ND	NP	NT	NP	ND	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	ND	ND	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

**Surface Water Sampling Event #32 (7-27-16)
Eagle Point MSW Landfill - Forsyth Co., Ga**

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	8.72	Dry	Dry	NP	7.06	NP	Dry	Dry	Dry
Specific Conductance	µS/cm	-	NE	41	Dry	Dry	NP	25	NP	Dry	Dry	Dry
Temperature	C	-	32.2	26.8	Dry	Dry	NP	28.7	NP	Dry	Dry	Dry
Turbidity	NTU	-	NE	12	Dry	Dry	NP	30	NP	Dry	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	7.65	Dry	Dry	NP	6.64	NP	Dry	Dry	Dry
Chloride (Cl)	mg/l	1	NE	2	Dry	Dry	NP	1.8	NP	Dry	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.4	Dry	Dry	NP	1.3	NP	Dry	Dry	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Barium (Ba)	µg/l	10	NE	7.1	Dry	Dry	NP	6.8	NP	Dry	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	3	0.15	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Antimony (Sb)	µg/l	6	640	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Arsenic (As)	µg/l	50	50	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Selenium (Se)	µg/l	10	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Acetone	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Benzene	µg/l	2	51	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Toluene	µg/l	2	5,980	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #33 (1-5-17)
Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.92	Dry	Dry	NP	6.99	NP	Dry	Dry	Dry
Specific Conductance	µS/cm	-	NE	26	Dry	Dry	NP	29	NP	Dry	Dry	Dry
Temperature	C	-	32.2	8	Dry	Dry	NP	8.1	NP	Dry	Dry	Dry
Turbidity	NTU	-	NE	12	Dry	Dry	NP	13	NP	Dry	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	11.65	Dry	Dry	NP	11.01	NP	Dry	Dry	Dry
Chloride (Cl)	mg/l	1	NE	1.6	Dry	Dry	NP	1.7	NP	Dry	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	5	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.7	Dry	Dry	NP	1.6	NP	Dry	Dry	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Barium (Ba)	µg/l	10	NE	6.2	Dry	Dry	NP	6.3	NP	Dry	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	3	0.15	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Antimony (Sb)	µg/l	6	640	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Arsenic (As)	µg/l	50	50	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Selenium (Se)	µg/l	10	NE	ND	Dry	Dry	NP	ND	NP	Dry	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Acetone	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Benzene	µg/l	2	51	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Toluene	µg/l	2	5,980	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	Dry	Dry	NP	NT	NP	Dry	Dry	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #34 (7-7-17)
Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.91	7.33	7.15	NP	6.79	NP	Dry	6.19	Dry
Specific Conductance	µS/cm	-	NE	34	167	91	NP	24	NP	Dry	91	Dry
Temperature	C	-	32.2	22.8	30	29.2	NP	22.7	NP	Dry	20.3	Dry
Turbidity	NTU	-	NE	16	11	4	NP	34	NP	Dry	24	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	7.47	NT	NT	NP	7.19	NP	Dry	NT	Dry
Chloride (Cl)	mg/l	1	NE	1.7	NT	NT	NP	1.8	NP	Dry	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	5	NE	39	NT	NT	NP	ND	NP	Dry	NT	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.4	NT	NT	NP	1.5	NP	Dry	NT	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Barium (Ba)	µg/l	10	NE	7	NT	NT	NP	5.8	NP	Dry	NT	Dry
Dissolved Cadmium (Cd)	µg/l	3	0.15	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Arsenic (As)	µg/l	50	50	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	30	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	NT	NP	ND	NP	Dry	NT	Dry
Total Selenium (Se)	µg/l	10	NE	ND	ND	ND	NP	ND	NP	Dry	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Acetone	µg/l	100	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Benzene	µg/l	2	51	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	NP	NT	NP	Dry	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	NP	NT	NP	Dry	ND	Dry

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #35 (1-4-18)
Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	5.71	8.35	Dry	NP	6.01	NP	Dry	Dry	Dry
Specific Conductance	µS/cm	-	NE	21	466	Dry	NP	21	NP	Dry	Dry	Dry
Temperature	C	-	32.2	0.2	3.9	Dry	NP	0.5	NP	Dry	Dry	Dry
Turbidity	NTU	-	NE	5	42	Dry	NP	7	NP	Dry	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	13.59	NT	Dry	NP	13.52	NP	Dry	Dry	Dry
Chloride (Cl)	mg/l	1	NE	2.3	NT	Dry	NP	1.6	NP	Dry	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	5	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Barium (Ba)	µg/l	10	NE	5.3	NT	Dry	NP	11.3	NP	Dry	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	3	0.15	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Lead (Pb)	µg/l	15	1.2	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Silver (Ag)	µg/l	7	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Arsenic (As)	µg/l	50	50	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	35.6	Dry	NP	NT	NP	Dry	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	Dry	NP	ND	NP	Dry	Dry	Dry
Total Selenium (Se)	µg/l	10	NE	ND	ND	Dry	NP	ND	NP	Dry	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Acetone	µg/l	100	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Benzene	µg/l	2	51	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Toluene	µg/l	2	5,980	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	Dry	NP	NT	NP	Dry	Dry	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #36 (7-26-18)
Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.56	6.76	Dry	Dry	6.73	6.72	6.56	Dry	Dry
Specific Conductance	µS/cm	-	NE	25	154	Dry	Dry	23	35	38	Dry	Dry
Temperature	C	-	32.2	25.7	25.4	Dry	Dry	23.5	20.4	20.7	Dry	Dry
Turbidity	NTU	-	NE	11	10	Dry	Dry	20	24	9	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	7.98	NT	Dry	Dry	7.69	NT	NT	Dry	Dry
Chloride (Cl)	mg/l	1	NE	1.3	NT	Dry	Dry	1.4	NT	NT	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	233	NT	Dry	Dry	ND	NT	NT	Dry	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	Dry	Dry	ND	NT	NT	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.1	NT	Dry	Dry	1.2	NT	NT	Dry	Dry
Dissolved Arsenic (As)	µg/l	5	150	ND	NT	Dry	Dry	ND	NT	NT	Dry	Dry
Dissolved Barium (Ba)	µg/l	5	NE	12	NT	Dry	Dry	12	NT	NT	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	0.5	0.15	ND	NT	Dry	Dry	ND	NT	NT	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	Dry	Dry	ND	NT	NT	Dry	Dry
Dissolved Lead (Pb)	µg/l	1	1.2	ND	NT	Dry	Dry	ND	NT	NT	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	Dry	Dry	ND	NT	NT	Dry	Dry
Dissolved Silver (Ag)	µg/l	5	NE	ND	NT	Dry	Dry	ND	NT	NT	Dry	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	Dry	Dry	ND	NT	NT	Dry	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Arsenic (As)	µg/l	50	50	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	Dry	Dry	ND	ND	NT	Dry	Dry
Total Selenium (Se)	µg/l	10	NE	ND	ND	Dry	Dry	ND	ND	ND	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Acetone	µg/l	100	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Benzene	µg/l	2	51	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Toluene	µg/l	2	5,980	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	Dry	Dry	NT	ND	ND	Dry	Dry

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #37 (1-17-19)
Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	7.29	6.55	6.68	Dry	7.26	7.46	6.72	5.98	Dry
Specific Conductance	µS/cm	-	NE	18	88	139	Dry	19	23	21	24	Dry
Temperature	C	-	32.2	6.3	8.1	7.8	Dry	7.1	6.7	9.9	11.6	Dry
Turbidity	NTU	-	NE	3	116	9	Dry	4	27	25	17	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	9.34	NT	NT	Dry	7.21	NT	NT	NT	Dry
Chloride (Cl)	mg/l	1	NE	1.4	NT	NT	Dry	1.4	NT	NT	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	14.1	NT	NT	Dry	ND	NT	NT	NT	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Arsenic (As)	µg/l	5	150	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Barium (Ba)	µg/l	5	NE	11	NT	NT	Dry	11	NT	NT	NT	Dry
Dissolved Cadmium (Cd)	µg/l	0.5	0.15	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Lead (Pb)	µg/l	1	1.2	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Silver (Ag)	µg/l	5	NE	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Zinc (Zn)	µg/l	10	65	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Arsenic (As)	µg/l	10	50	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	54	40	Dry	NT	ND	ND	42	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Total Selenium (Se)	µg/l	10	NE	ND	ND	ND	Dry	ND	ND	ND	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	ND	32	Dry
Acetone	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Benzene	µg/l	2	51	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	Dry	NT	ND	ND	ND	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #38 (7-18-19) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	5.18	6.64	6	Dry	6.07	5.5	Dry	7.11	Dry
Specific Conductance	µS/cm	-	NE	39	182	85	Dry	28	42	Dry	47	Dry
Temperature	C	-	32.2	23.9	29.2	29	Dry	24.5	21.9	Dry	19.1	Dry
Turbidity	NTU	-	NE	8	13	6	Dry	7	7	Dry	13	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	8.21	NT	NT	Dry	5.82	NT	Dry	NT	Dry
Chloride (Cl)	mg/l	1	NE	1.4	NT	NT	Dry	1.4	NT	Dry	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NT	NT	Dry	1.6	NT	Dry	NT	Dry
Dissolved Arsenic (As)	µg/l	5	150	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Barium (Ba)	µg/l	5	NE	7.7	NT	NT	Dry	7.8	NT	Dry	NT	Dry
Dissolved Cadmium (Cd)	µg/l	0.5	0.15	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	NT	Dry	160	NT	Dry	NT	Dry
Dissolved Lead (Pb)	µg/l	1	1.2	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	Dry	310	NT	Dry	NT	Dry
Dissolved Silver (Ag)	µg/l	5	NE	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Zinc (Zn)	µg/l	1	65	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Arsenic (As)	µg/l	10	50	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	45	ND	Dry	NT	ND	Dry	32	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Selenium (Se)	µg/l	5	NE	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	22	Dry
Acetone	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Benzene	µg/l	2	51	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #39 (1-8-20) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.38	6.03	5.81	Dry	6.76	6.31	Dry	Dry	Dry
Specific Conductance	µS/cm	-	NE	28	147	90	Dry	32	35	Dry	Dry	Dry
Temperature	C	-	32.2	7.6	9.9	8	Dry	12.2	7.5	Dry	Dry	Dry
Turbidity	NTU	-	NE	7	104	10	Dry	10	5	Dry	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	12.96	NT	NT	Dry	12.81	NT	Dry	Dry	Dry
Chloride (Cl)	mg/l	1	NE	1.2	NT	NT	Dry	1.2	NT	Dry	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	25	NE	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Total Cyanide	mg/l	0.008	0.0052	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NT	NT	Dry	2	NT	Dry	Dry	Dry
Dissolved Arsenic (As)	µg/l	5	150	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Barium (Ba)	µg/l	5	NE	6.9	NT	NT	Dry	7.1	NT	Dry	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	0.5	0.15	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Chromium (Cr)	µg/l	5	11	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Lead (Pb)	µg/l	1	1.2	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Nickel (Ni)	µg/l	5	29	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Silver (Ag)	µg/l	5	NE	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Zinc (Zn)	µg/l	1	65	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Arsenic (As)	µg/l	10	50	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	55	22	Dry	NT	ND	Dry	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	NT	Dry	NT	NT	Dry	Dry	Dry
Total Selenium (Se)	µg/l	10	NE	ND	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	22	ND	Dry	NT	ND	Dry	Dry	Dry
Acetone	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Benzene	µg/l	2	51	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #40 (7-9-20) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.24	6.05	Dry	Dry	6.16	6.14	Dry	6.64	Dry
Specific Conductance	µS/cm	-	NE	29	246	Dry	Dry	30	93	Dry	76	Dry
Temperature	C	-	32.2	22.7	27.3	Dry	Dry	23.6	22.9	Dry	18.1	Dry
Turbidity	NTU	-	NE	8	22	Dry	Dry	9	8	Dry	15	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	8.23	NT	Dry	Dry	7.69	NT	Dry	NT	Dry
Chloride (Cl)	mg/l	0.5	NE	2.23	NT	Dry	Dry	2.26	NT	Dry	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Total Cyanide	mg/l	0.01	0.0052	ND	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.33	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Dissolved Barium (Ba)	µg/l	10	NE	ND	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Dissolved Cadmium (Cd)	µg/l	10	0.15	ND	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Dissolved Chromium (Cr)	µg/l	10	11	ND	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Dissolved Lead (Pb)	µg/l	25	1.2	ND	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Dissolved Nickel (Ni)	µg/l	20	29	ND	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Dissolved Silver (Ag)	µg/l	10	NE	ND	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Dissolved Zinc (Zn)	µg/l	20	65	ND	NT	Dry	Dry	ND	NT	Dry	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Arsenic (As)	µg/l	50	50	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	50.8	Dry	Dry	NT	ND	Dry	35.2	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Cobalt (Co)	µg/l	40	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	Dry	Dry	NT	NT	Dry	NT	Dry
Total Selenium (Se)	µg/l	40	NE	ND	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Acetone	µg/l	100	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Benzene	µg/l	2	51	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Toluene	µg/l	2	5,980	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	Dry	Dry	NT	ND	Dry	ND	Dry

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #41 (1-7-21) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	7.11	6.19	6.56	Dry	6.79	6.17	5.79	6.05	Dry
Specific Conductance	µS/cm	-	NE	60	169	100	Dry	28	45	50	43	Dry
Temperature	C	-	32.2	6.5	9.6	9	Dry	12.3	8.7	7.2	12.3	Dry
Turbidity	NTU	-	NE	5	85	21	Dry	12	7	5	8	Dry
Dissolved Oxygen (DO)	mg/l	-	<5	12.11	NT	NT	Dry	12.2	NT	NT	NT	Dry
Chloride (Cl)	mg/l	0.5	NE	1.4	NT	NT	Dry	1.3	NT	NT	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Total Cyanide	mg/l	0.02	0.0052	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	ND	NT	NT	Dry	1	NT	NT	NT	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Barium (Ba)	µg/l	10	NE	ND	NT	NT	Dry	14	NT	NT	NT	Dry
Dissolved Cadmium (Cd)	µg/l	10	0.15	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Chromium (Cr)	µg/l	10	11	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Lead (Pb)	µg/l	25	1.2	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Nickel (Ni)	µg/l	20	29	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Silver (Ag)	µg/l	10	NE	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Dissolved Zinc (Zn)	µg/l	20	65	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Arsenic (As)	µg/l	50	50	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	52	22	Dry	NT	ND	ND	33	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Cobalt (Co)	µg/l	6	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	16	ND	Dry	NT	ND	ND	ND	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Mercury (Hg)	µg/l	0.5	NE	ND	NT	NT	Dry	ND	NT	NT	NT	Dry
Total Selenium (Se)	µg/l	40	NE	ND	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Acetone	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Benzene	µg/l	2	51	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	Dry	NT	ND	ND	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	Dry	NT	ND	ND	ND	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #42 (7-9-21) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.29	5.83	6	Dry	6.58	6.23	Dry	5.26	Dry
Specific Conductance	µS/cm	-	NE	32	218	59	Dry	33	58	Dry	91	Dry
Temperature	C	-	32.2	22	24.7	27.4	Dry	25.1	19.7	Dry	19.1	Dry
Turbidity	NTU	-	NE	5	5	2	Dry	7	6	Dry	11	Dry
Dissolved Oxygen (DO)	mg/l	-	<4	8.48	NT	NT	Dry	9.1	NT	Dry	NT	Dry
Chloride (Cl)	mg/l	0.5	NE	1.4	NT	NT	Dry	1.6	NT	Dry	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Cyanide	mg/l	0.01	0.0052	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.1	NT	NT	Dry	1.1	NT	Dry	NT	Dry
Dissolved Arsenic (As)	µg/l	10	10	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Barium (Ba)	µg/l	10	NE	13	NT	NT	Dry	15	NT	Dry	NT	Dry
Dissolved Cadmium (Cd)	µg/l	10	0.43	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Chromium (Cr)	µg/l	10	11	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Lead (Pb)	µg/l	25	1.2	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Nickel (Ni)	µg/l	20	29	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Silver (Ag)	µg/l	10	NE	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Zinc (Zn)	µg/l	20	65	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Arsenic (As)	µg/l	10	10	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	29	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Cadmium (Cd)	µg/l	5	0.43	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Chromium (Cr)	µg/l	10	11	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Cobalt (Co)	µg/l	6	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Copper (Cu)	µg/l	20	5	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Lead (Pb)	µg/l	15	1.2	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Nickel (Ni)	µg/l	20	29	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Mercury (Hg)	µg/l	0.2	0.012	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Selenium (Se)	µg/l	10	5	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Zinc (Zn)	µg/l	20	65	NT	ND	ND	Dry	NT	ND	Dry	23	Dry
Acetone	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Benzene	µg/l	2	51	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e) (ii), (iii), &(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #43 (1-6-22) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.31	6.42	6.73	Dry	6.64	6.36	Dry	6.41	Dry
Specific Conductance	µS/cm	-	NE	35	206	106	Dry	32	55	Dry	58	Dry
Temperature	C	-	32.2	7.5	9	7.5	Dry	9.5	7.8	Dry	10.8	Dry
Turbidity	NTU	-	NE	14	124	29	Dry	27	16	Dry	10	Dry
Dissolved Oxygen (DO)	mg/l	-	<4	11.26	NT	NT	Dry	9.2	NT	Dry	NT	Dry
Chloride (Cl)	mg/l	0.5	NE	1.5	NT	NT	Dry	1.3	NT	Dry	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Cyanide	mg/l	0.01	0.0052	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.2	NT	NT	Dry	1.9	NT	Dry	NT	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Barium (Ba)	µg/l	10	NE	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Cadmium (Cd)	µg/l	10	0.43	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Chromium (Cr)	µg/l	10	42	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Lead (Pb)	µg/l	25	1.2	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Nickel (Ni)	µg/l	20	29	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Silver (Ag)	µg/l	10	NE	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Dissolved Zinc (Zn)	µg/l	20	65	ND	NT	NT	Dry	ND	NT	Dry	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Arsenic (As)	µg/l	10	50	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	57	32	Dry	NT	ND	Dry	39	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Cobalt (Co)	µg/l	6	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	19	ND	Dry	NT	ND	Dry	ND	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Mercury (Hg)	µg/l	0.5	0.012	ND	NT	NT	Dry	NT	NT	Dry	NT	Dry
Total Selenium (Se)	µg/l	10	5	ND	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	30	ND	Dry	NT	ND	Dry	22	Dry
Acetone	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Benzene	µg/l	2	51	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	Dry	NT	ND	Dry	ND	Dry

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(ii)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

Surface Water Sampling Event #44 (7-8-22) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.98	5.75	6.43	Dry	6.45	7.87	Dry	Dry	Dry
Specific Conductance	µS/cm	-	NE	36	380	92	Dry	33	102	Dry	Dry	Dry
Temperature	C	-	32.2	25	26.6	29.3	Dry	26.2	23.5	Dry	Dry	Dry
Turbidity	NTU	-	NE	13	34	79	Dry	11	60	Dry	Dry	Dry
Dissolved Oxygen (DO)	mg/l	-	<4	6.89	NT	NT	Dry	7.11	NT	Dry	Dry	Dry
Chloride (Cl)	mg/l	0.5	NE	1.3	NT	NT	Dry	1.5	NT	Dry	Dry	Dry
Chemical Oxygen Demand (COD)	mg/l	10	NE	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Total Cyanide	mg/l	0.01	0.0052	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Total Organic Carbon (TOC)	mg/l	1	NE	1.5	NT	NT	Dry	1.3	NT	Dry	Dry	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Barium (Ba)	µg/l	10	NE	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Cadmium (Cd)	µg/l	10	0.43	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Chromium (Cr)	µg/l	10	42	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Lead (Pb)	µg/l	25	1.2	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Nickel (Ni)	µg/l	20	29	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Silver (Ag)	µg/l	10	NE	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Dissolved Zinc (Zn)	µg/l	20	65	ND	NT	NT	Dry	ND	NT	Dry	Dry	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Arsenic (As)	µg/l	10	50	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Barium (Ba)	µg/l	20	NE	NT	98	45	Dry	NT	95	Dry	Dry	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Cobalt (Co)	µg/l	6	NE	NT	72	ND	Dry	NT	14	Dry	Dry	Dry
Total Copper (Cu)	µg/l	20	NE	NT	36	ND	Dry	NT	ND	Dry	Dry	Dry
Total Lead (Pb)	µg/l	15	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	25	ND	Dry	NT	ND	Dry	Dry	Dry
Total Mercury (Hg)	µg/l	0.5	0.012	ND	NT	NT	Dry	NT	NT	Dry	Dry	Dry
Total Selenium (Se)	µg/l	10	5	ND	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	170	22	Dry	NT	ND	Dry	Dry	Dry
Acetone	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Benzene	µg/l	2	51	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	Dry	NT	ND	Dry	Dry	Dry

Notes:

ND = *Not Detected* at the method detection limit

ISWQS = *In-stream Water Quality Standard*, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(ii)(iii)&(iv).

MDL = *Laboratory Method Detection Limit*

NS = *Not Sampled*

NT = *Not Tested*

NE = *Not Established*; EPD has not established a ISWQS

NP = location *Not Present* during sampling event

Shaded cells indicated exceedances of ISWQS.

SWC-1 was resampled on August 24, 2022 and the results are included in this table.

Surface Water Sampling Event #45 (1-6-23) Eagle Point MSW Landfill - Forsyth Co., Ga

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	5.88	5.89	5.90	6.07	6.31	5.79	Dry	5.98	Dry
Specific Conductance	µS/cm	-	NE	29	213	117	104	33	135	Dry	60	Dry
Temperature	C	-	32.2	9.2	11.7	10.2	12	13.6	10.1	Dry	10.1	Dry
Turbidity	NTU	-	NE	23	176	48	162	8	6	Dry	10	Dry
Dissolved Oxygen (DO)	mg/l	-	<4	10.06	NT	NT	ND	10.31	NT	Dry	NT	Dry
Chloride (Cl)	mg/l	0.20	NE	1.3	NT	NT	ND	1.6	NT	Dry	NT	Dry
Chemical Oxygen Demand (COD)	mg/l	5.0	NE	ND	NT	NT	ND	ND	NT	Dry	NT	Dry
Total Cyanide	mg/l	0.0025	0.0052	ND	NT	NT	ND	ND	NT	Dry	NT	Dry
Total Organic Carbon (TOC)	mg/l	0.50	NE	1.9	NT	NT	ND	1.1	NT	Dry	NT	Dry
Dissolved Arsenic (As)	µg/l	10	150	ND	NT	NT	ND	ND	NT	Dry	NT	Dry
Dissolved Barium (Ba)	µg/l	10	NE	ND	NT	NT	ND	ND	NT	Dry	NT	Dry
Dissolved Cadmium (Cd)	µg/l	10	0.43	ND	NT	NT	ND	ND	NT	Dry	NT	Dry
Dissolved Chromium (Cr)	µg/l	10	42	ND	NT	NT	ND	ND	NT	Dry	NT	Dry
Dissolved Lead (Pb)	µg/l	25	1.2	ND	NT	NT	ND	ND	NT	Dry	NT	Dry
Dissolved Nickel (Ni)	µg/l	20	29	ND	NT	NT	ND	ND	NT	Dry	NT	Dry
Dissolved Silver (Ag)	µg/l	10	NE	ND	NT	NT	ND	ND	NT	Dry	NT	Dry
Dissolved Zinc (Zn)	µg/l	20	65	ND	NT	NT	ND	ND	NT	Dry	NT	Dry
Total Antimony (Sb)	µg/l	6	640	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Arsenic (As)	µg/l	10	50	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Barium (Ba)	µg/l	20	NE	NT	75	32	48	NT	56	Dry	23	Dry
Total Beryllium (Be)	µg/l	3	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Cadmium (Cd)	µg/l	5	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Chromium (Cr)	µg/l	10	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Cobalt (Co)	µg/l	6	NE	NT	6.4	ND	ND	NT	ND	Dry	ND	Dry
Total Copper (Cu)	µg/l	20	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Lead (Pb)	µg/l	15	NE	NT	24	ND	15	NT	ND	Dry	ND	Dry
Total Nickel (Ni)	µg/l	20	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Mercury (Hg)	µg/l	0.5	0.012	ND	NT	NT	ND	NT	NT	Dry	NT	Dry
Total Selenium (Se)	µg/l	10	5	ND	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Silver (Ag)	µg/l	10	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Thallium (Tl)	µg/l	2	0.47	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Vanadium (V)	µg/l	20	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Total Zinc (Zn)	µg/l	20	NE	NT	30	ND	ND	NT	ND	Dry	ND	Dry
Acetone	µg/l	100	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Benzene	µg/l	2	51	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
2-Butanone (MEK)	µg/l	100	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Carbon Disulfide	µg/l	5	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Toluene	µg/l	2	5,980	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
cis-1,2 Dichloroethene	µg/l	2	NE	NT	ND	ND	ND	NT	ND	Dry	ND	Dry
Other Appendix I VOCs	µg/l	-	-	NT	ND	ND	ND	NT	ND	Dry	ND	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(ii)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

**Surface Water Sampling Event #46 (7-13-23)
Eagle Point MSW Landfill - Forsyth Co., Ga**

TEST	Units	LAB MDL	ISWQS	SWA-1	SWC-1	SWC-2	SWC-4	SWC-9	SWC-10	SWC-11	SWC-12	SWC-13
pH	pH Units	-	<6.0; >8.5	6.59	7.08	7.09	Dry	6.85	6.91	Dry	6.49	Dry
Temperature	C	-	32.2	24.1	26.5	25.0	Dry	24.1	20.8	Dry	20.8	Dry
Chloride (Cl)	mg/l	1.0	NE	1.6	4.2	2.5	Dry	1.5	3.1	Dry	3.6	Dry
Total Dissolved Solids (TDS)	mg/l	25	NE	27	72	53	Dry	25	49	Dry	45	Dry
Acetone	µg/l	20	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Acrylonitrile	µg/l	20	0.25 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Benzene	µg/l	1	51 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Bromochloromethane	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Bromodichloromethane *	µg/l	1	17 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Bromoform *	µg/l	1	140 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Carbon Disulfide	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Bromomethane (Methylbromide)	µg/l	2	1500 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Carbon tetrachloride	µg/l	1	1.6 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Chlorobenzene	µg/l	1	1600 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Chloroethane	µg/l	2	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Chloroform *	µg/l	1	470 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Chloromethane (Methylchloride)	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Dibromochloromethane *	µg/l	1	13 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Dibromomethane	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,2-Dichlorobenzene	µg/l	1	1300 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,4-Dichlorobenzene	µg/l	1	190 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
trans-1,4-Dichloro-2butene	µg/l	2	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,1-Dichloroethane	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,2-Dichloroethane	µg/l	1	37 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,1-Dichloroethene (-ethylene)	µg/l	1	7100 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
cis-1,2-Dichloroethene (-ethylene)	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
trans-1,2-Dichloroethene (-ylene)	µg/l	1	10000 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,2-Dichloropropane	µg/l	1	15 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
cis-1,3-Dichloropropene (-propylene)	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
trans-1,3-Dichloropropene (-propylene)	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Ethylbenzene	µg/l	1	2100 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
2-Hexanone	µg/l	10	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Iodomethane	µg/l	5	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Dichloromethane (Methylene chloride)	µg/l	1	590 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
2-Butanone (Methyl ethyl ketone)	µg/l	10	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
4-Methyl-2-Pentanone	µg/l	10	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Styrene	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,1,1,2-Tetrachloroethane	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,1,2,2-Tetrachloroethane	µg/l	1	4 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Tetrachloroethene (-ethylene)	µg/l	1	3.3 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Toluene	µg/l	1	5980 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,1,1-Trichloroethane	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,1,2-Trichloroethane	µg/l	1	16 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Trichloroethene (-ethylene)	µg/l	1	30 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Trichlorofluoromethane	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,2,3-Trichloropropane	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Vinyl acetate	µg/l	5	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Vinyl chloride	µg/l	1	2.4 ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
Xylenes	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,2-Dibromo-3-chloropropane; DBCP	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry
1,2-Dibromoethane; Ethylene dibromide	µg/l	1	NE ND	ND	ND	ND	Dry	ND	ND	Dry	ND	Dry

Notes:

ND = Not Detected at the method detection limit

ISWQS = In-stream Water Quality Standard, as established in the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03(5)(e)(ii)(iii)&(iv).

MDL = Laboratory Method Detection Limit

NS = Not Sampled

NT = Not Tested

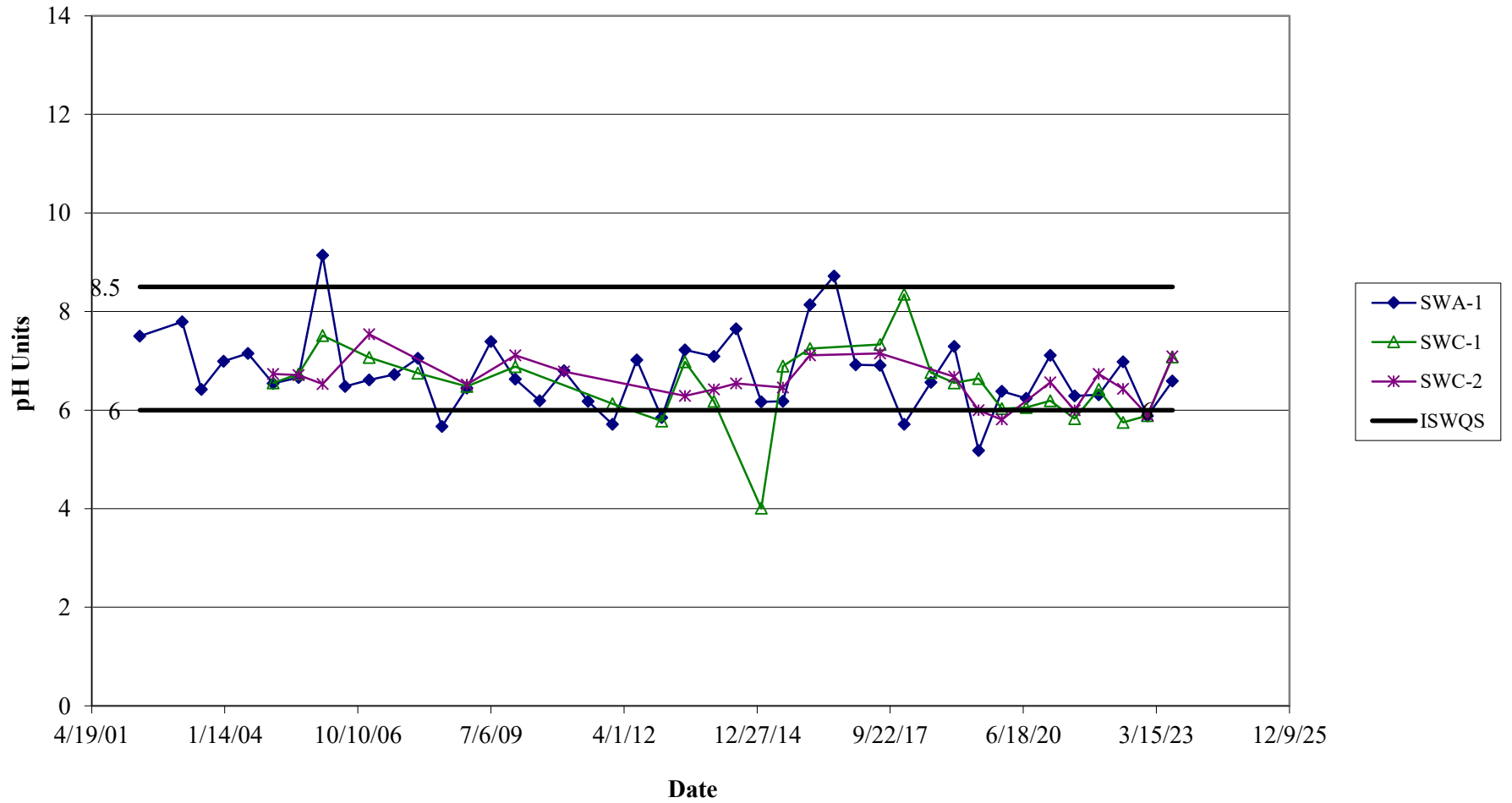
NE = Not Established; EPD has not established a ISWQS

NP = location Not Present during sampling event

Shaded cells indicated exceedances of ISWQS.

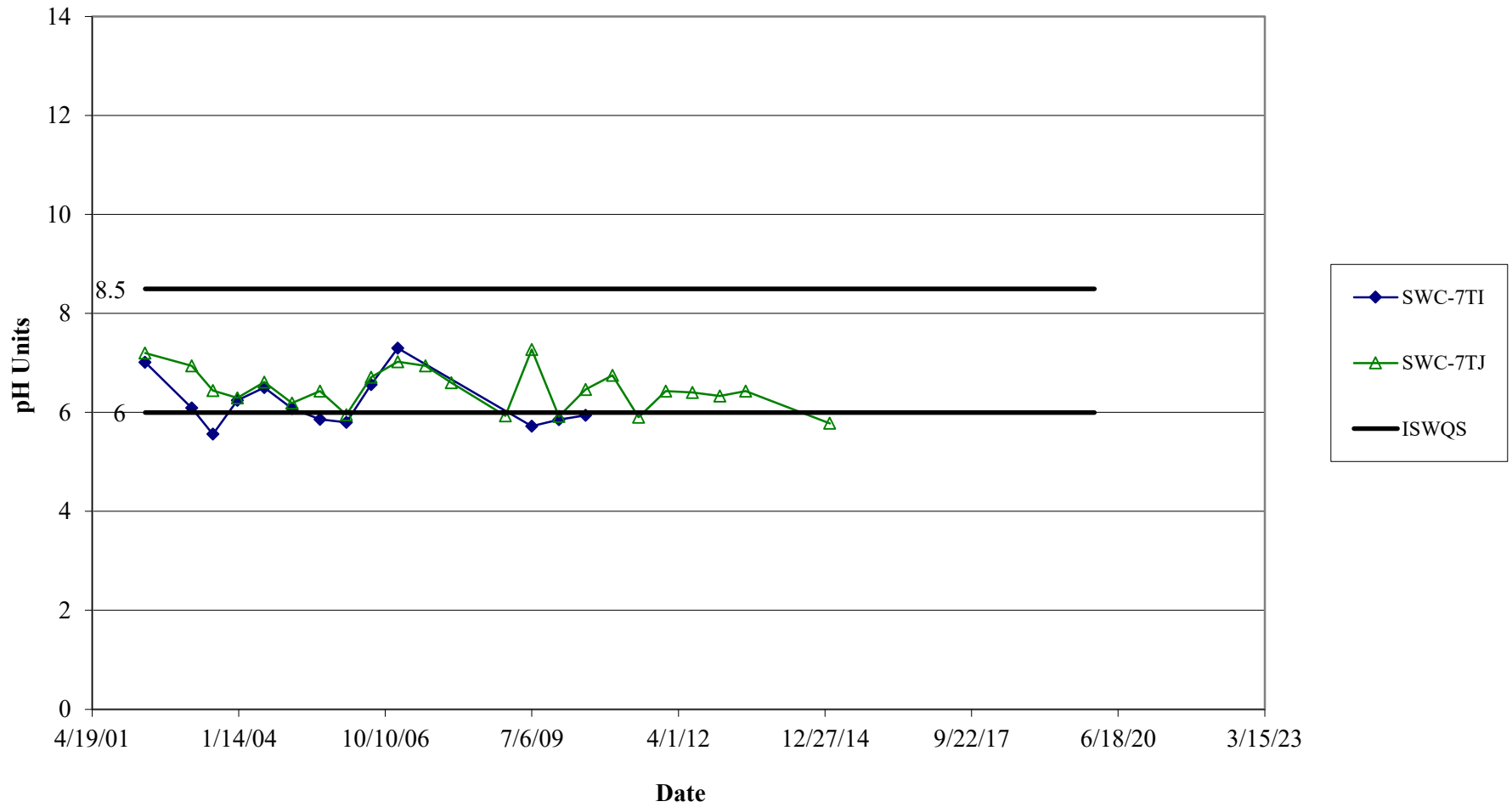
pH

Eagle Point Landfill - Forsyth Co., GA



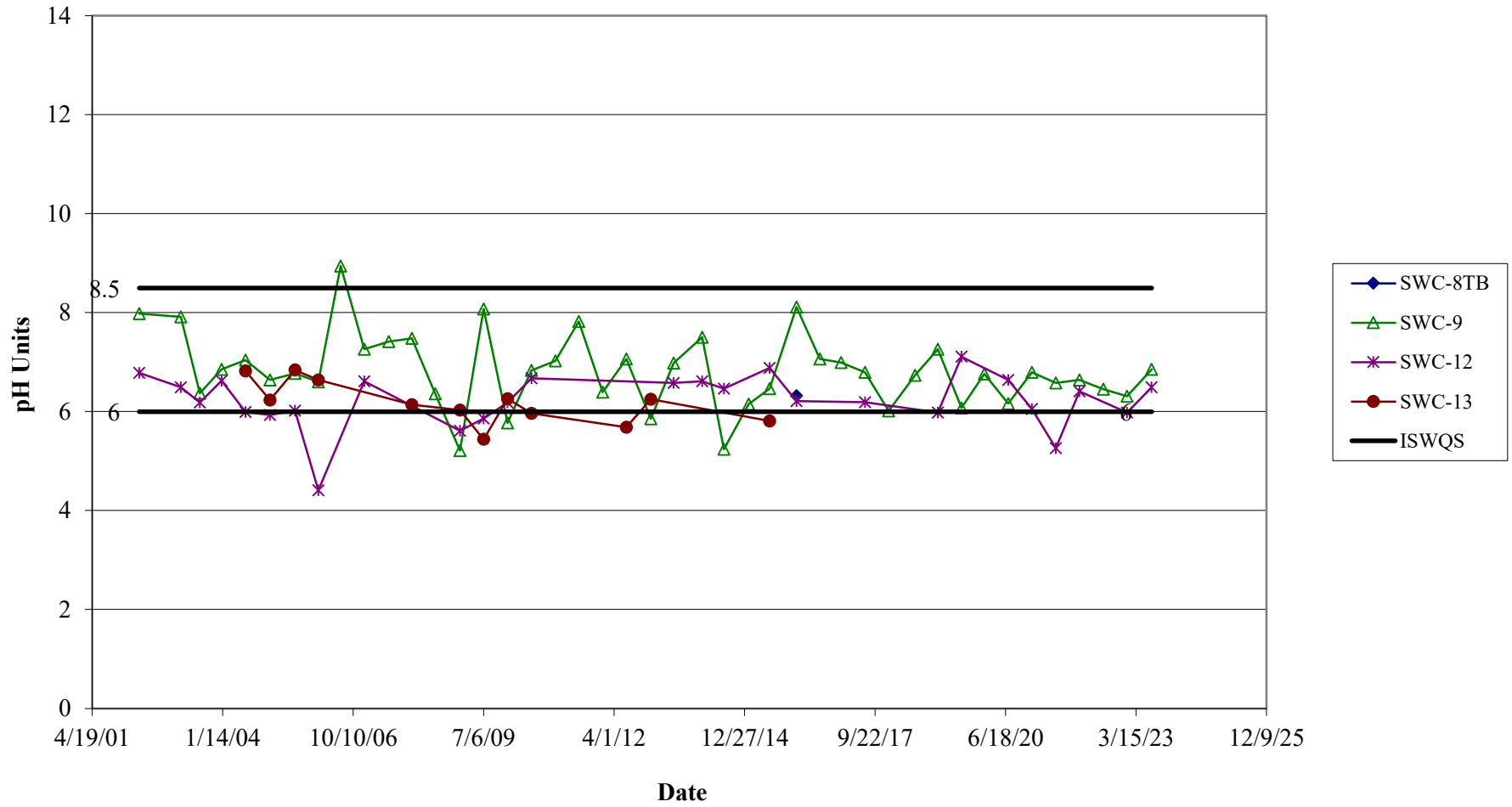
pH

Eagle Point Landfill - Forsyth Co., GA



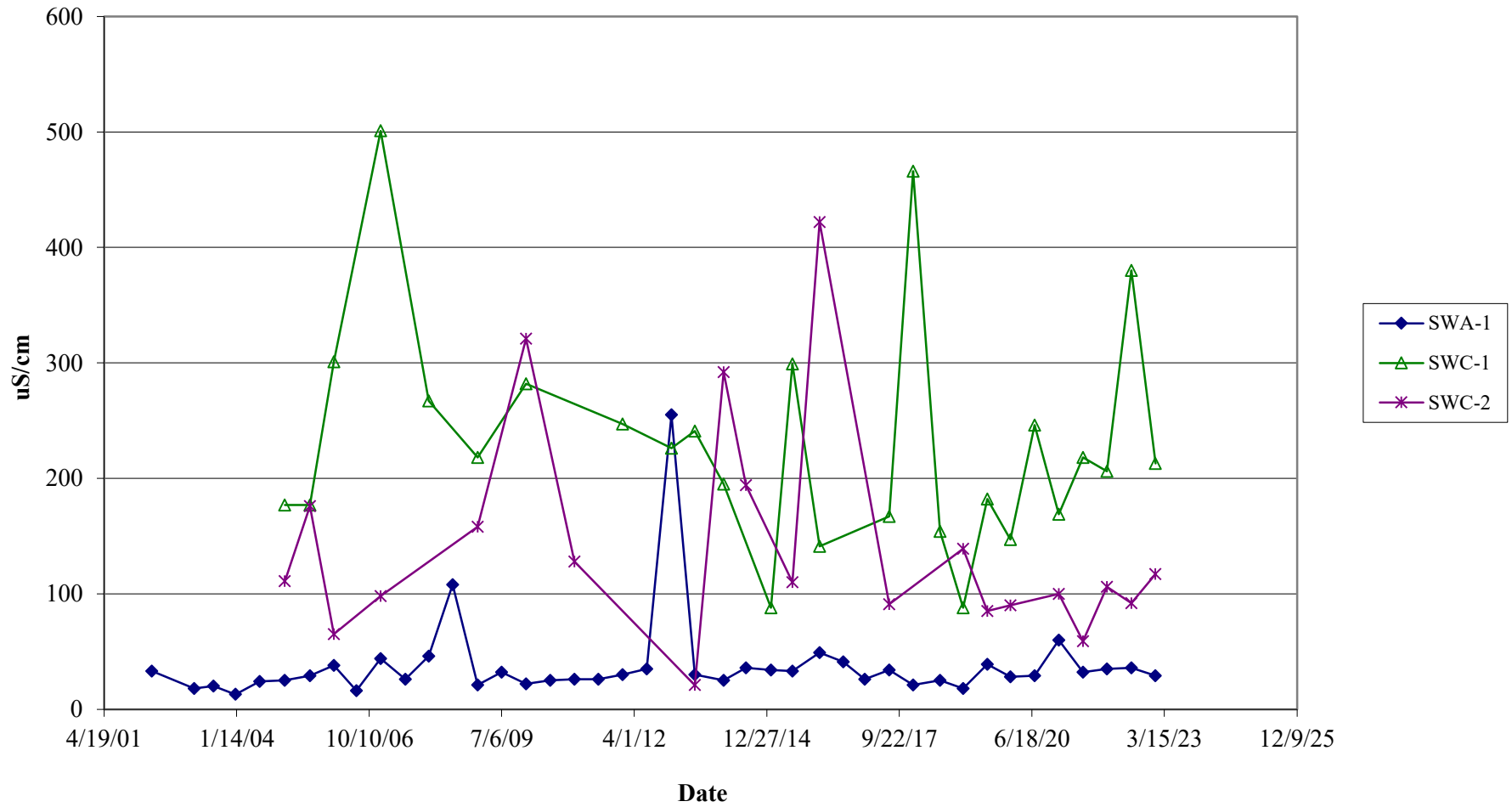
pH

Eagle Point Landfill - Forsyth Co., GA



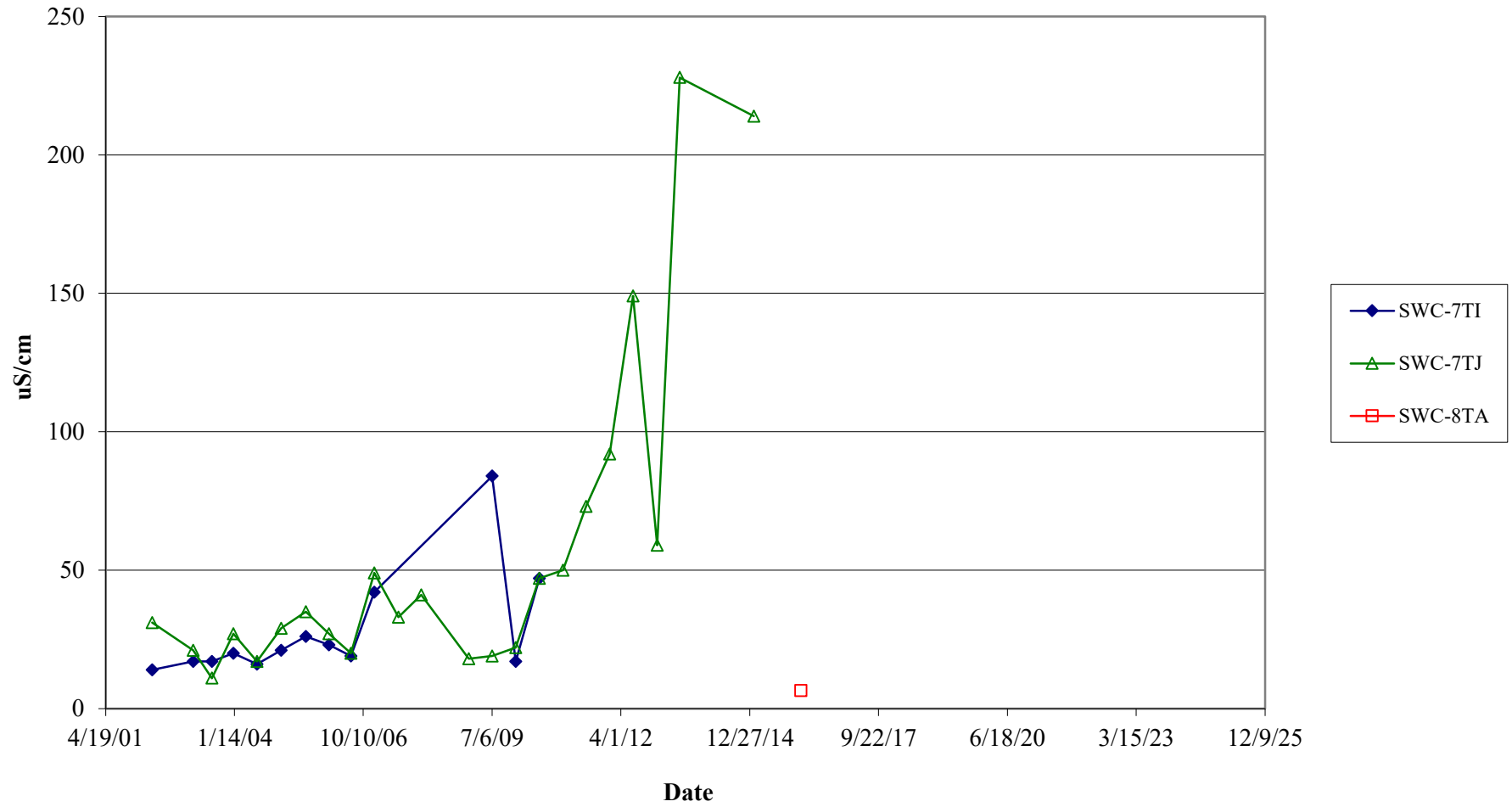
Specific Conductance

Eagle Point Landfill - Forsyth Co., GA



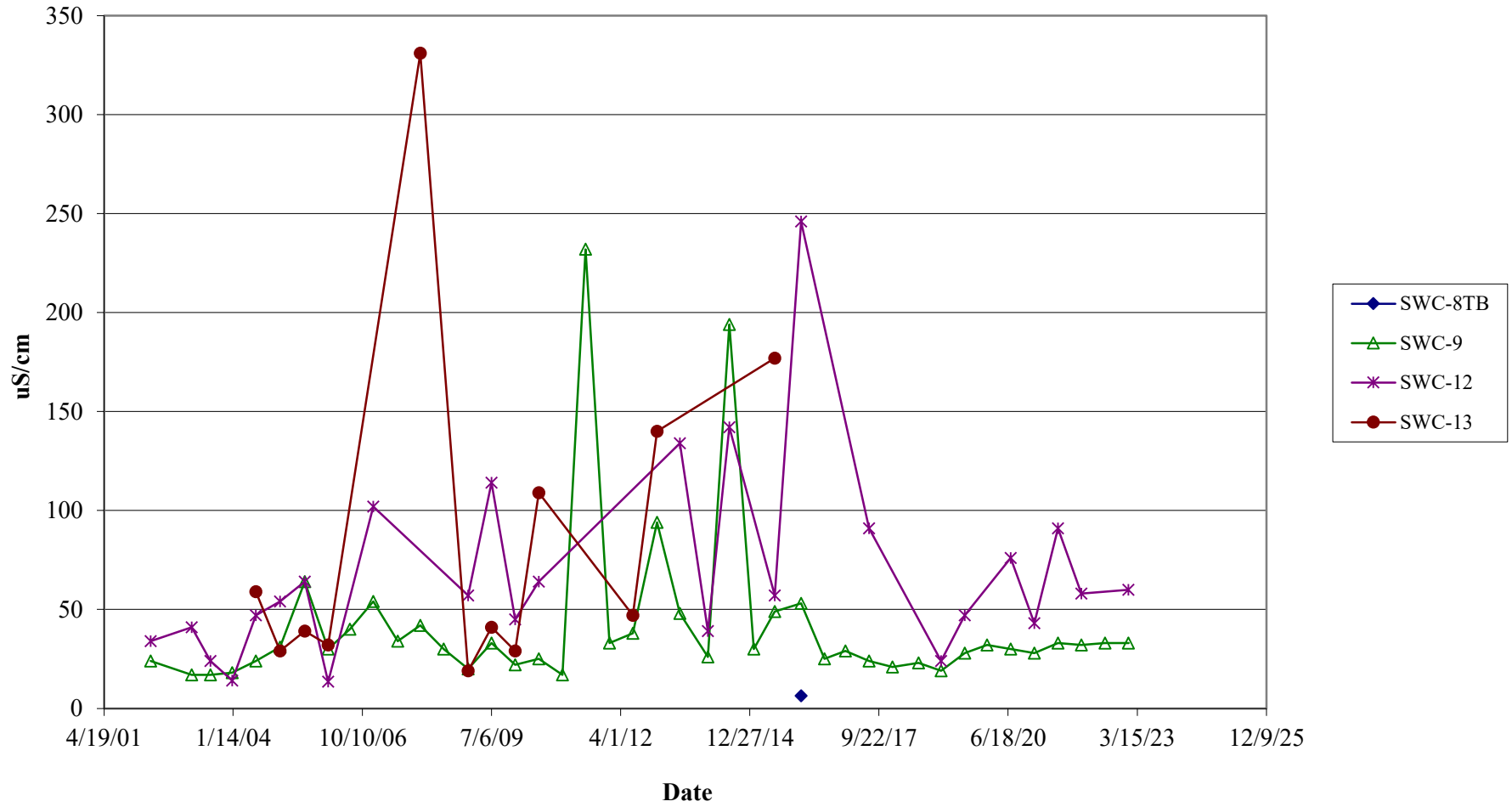
Specific Conductance

Eagle Point Landfill - Forsyth Co., GA



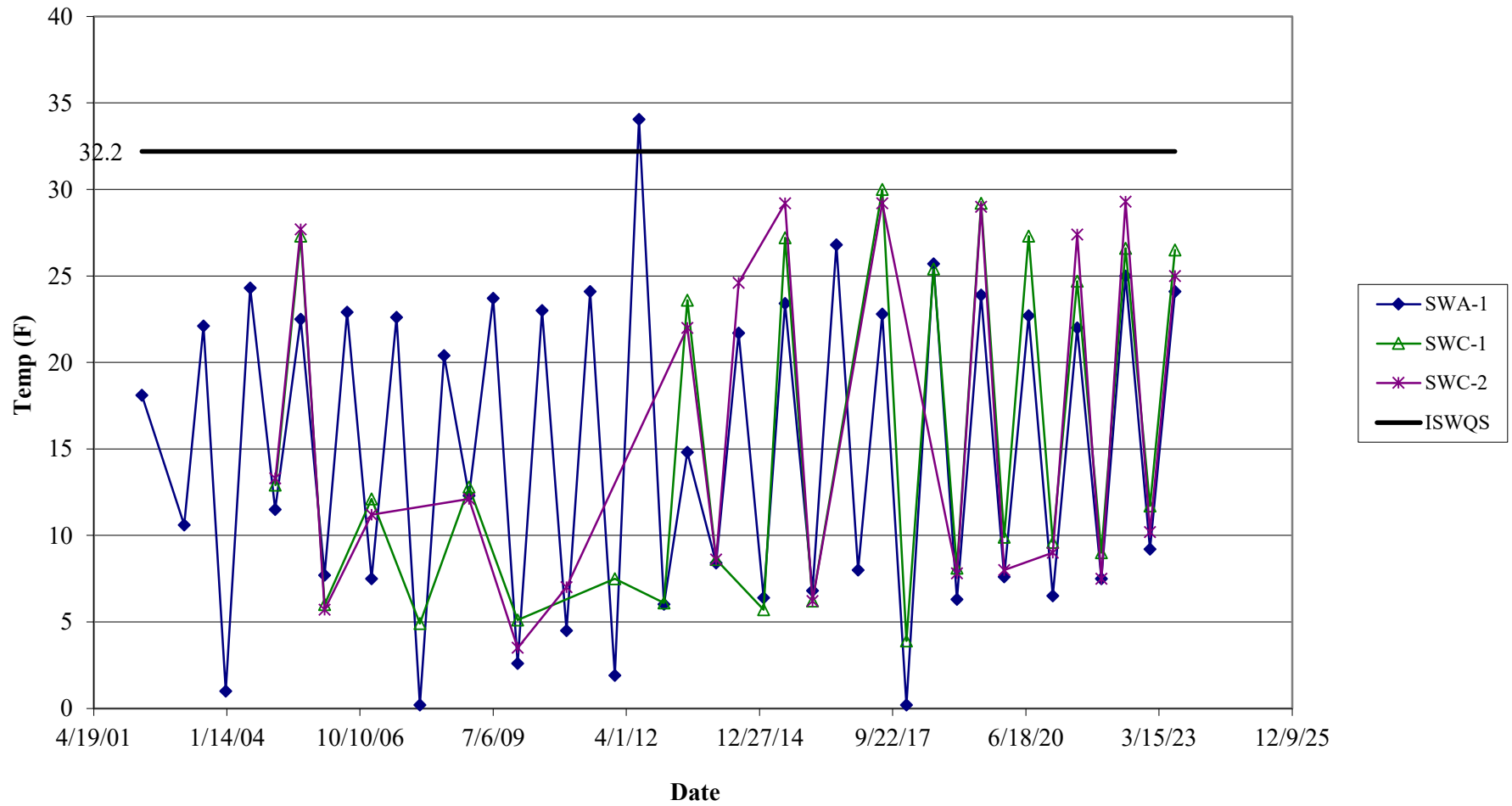
Specific Conductance

Eagle Point Landfill - Forsyth Co., GA



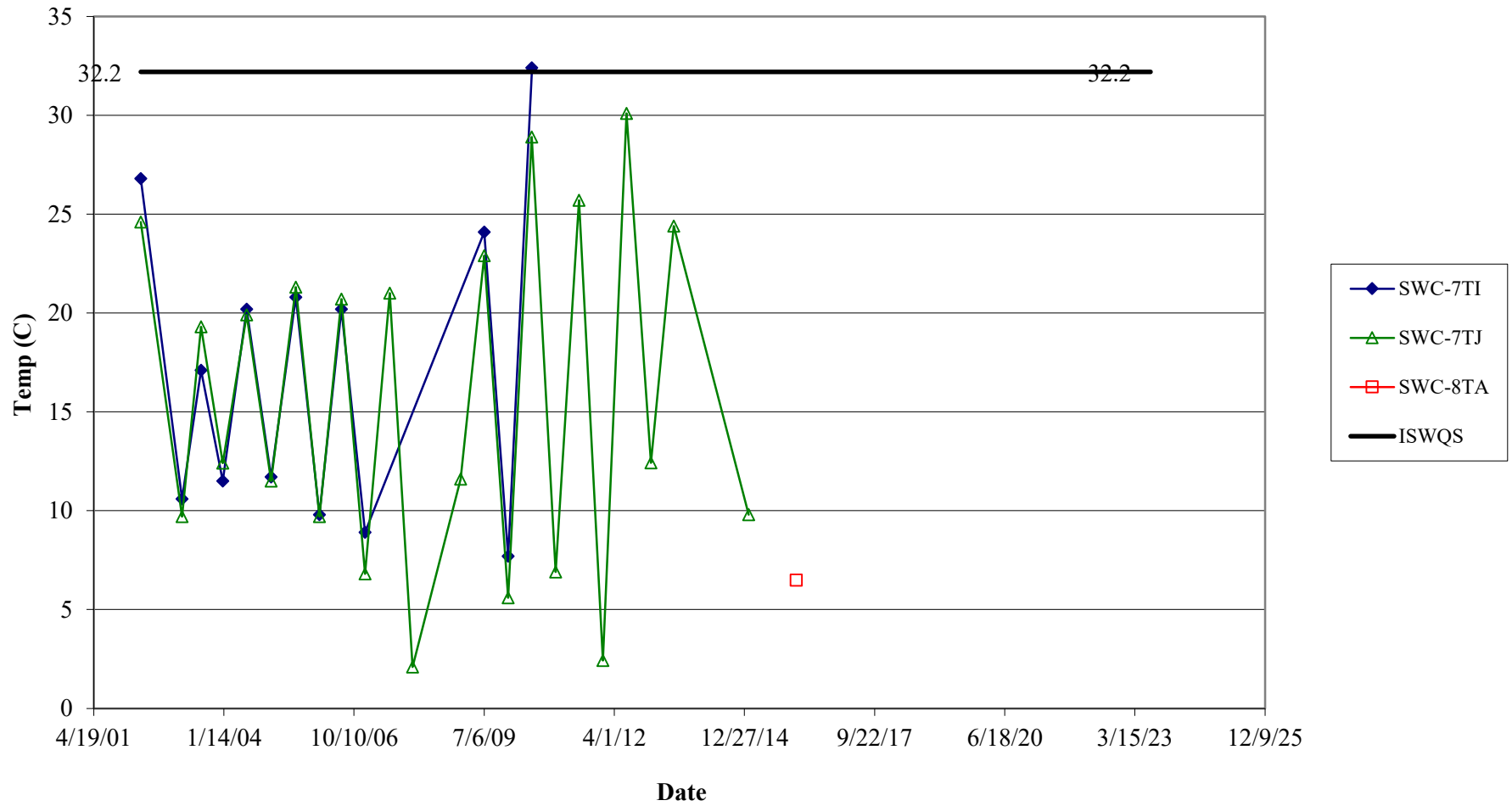
Temperature

Eagle Point Landfill - Forsyth Co., GA



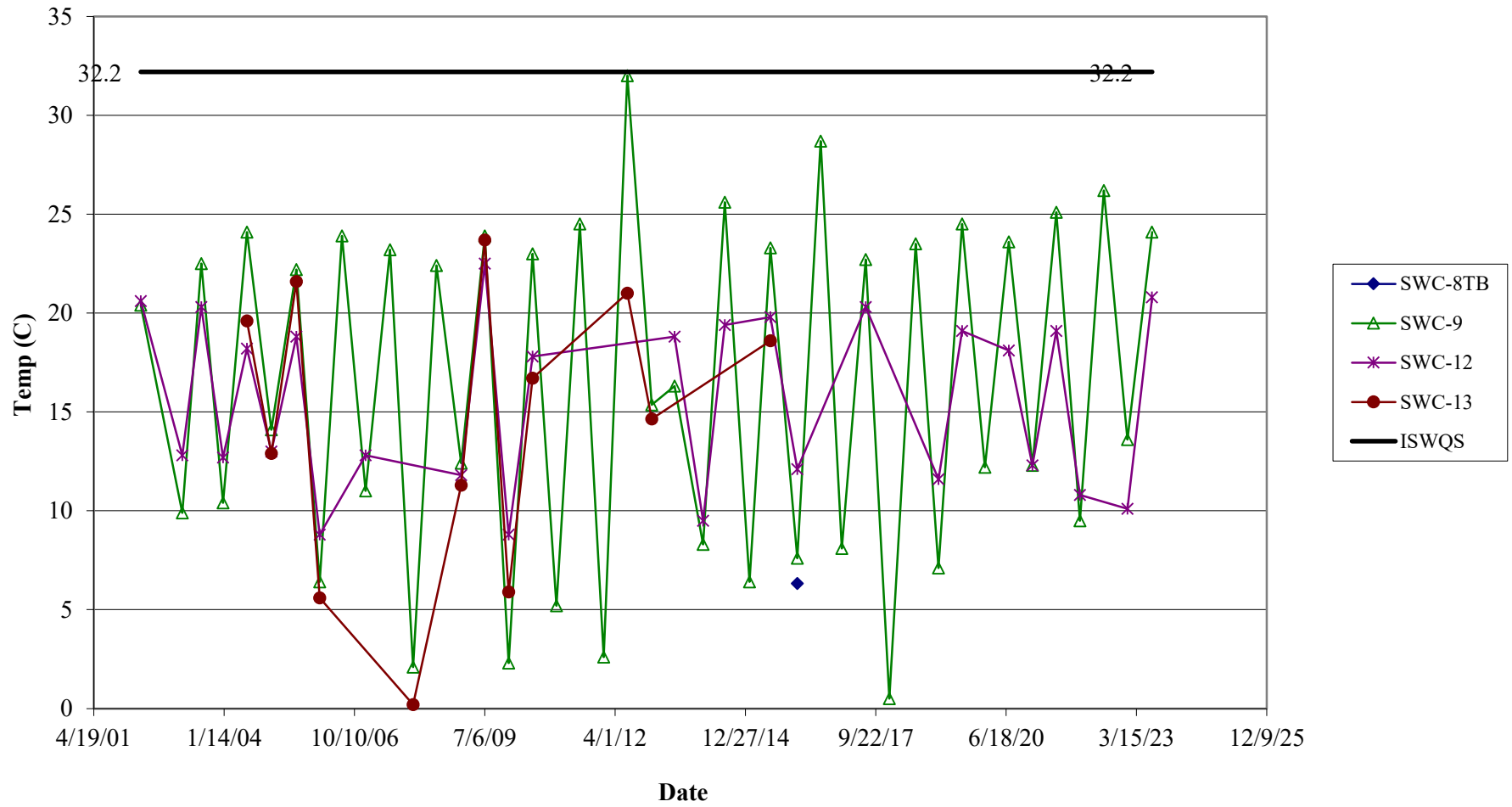
Temperature

Eagle Point Landfill - Forsyth Co., GA



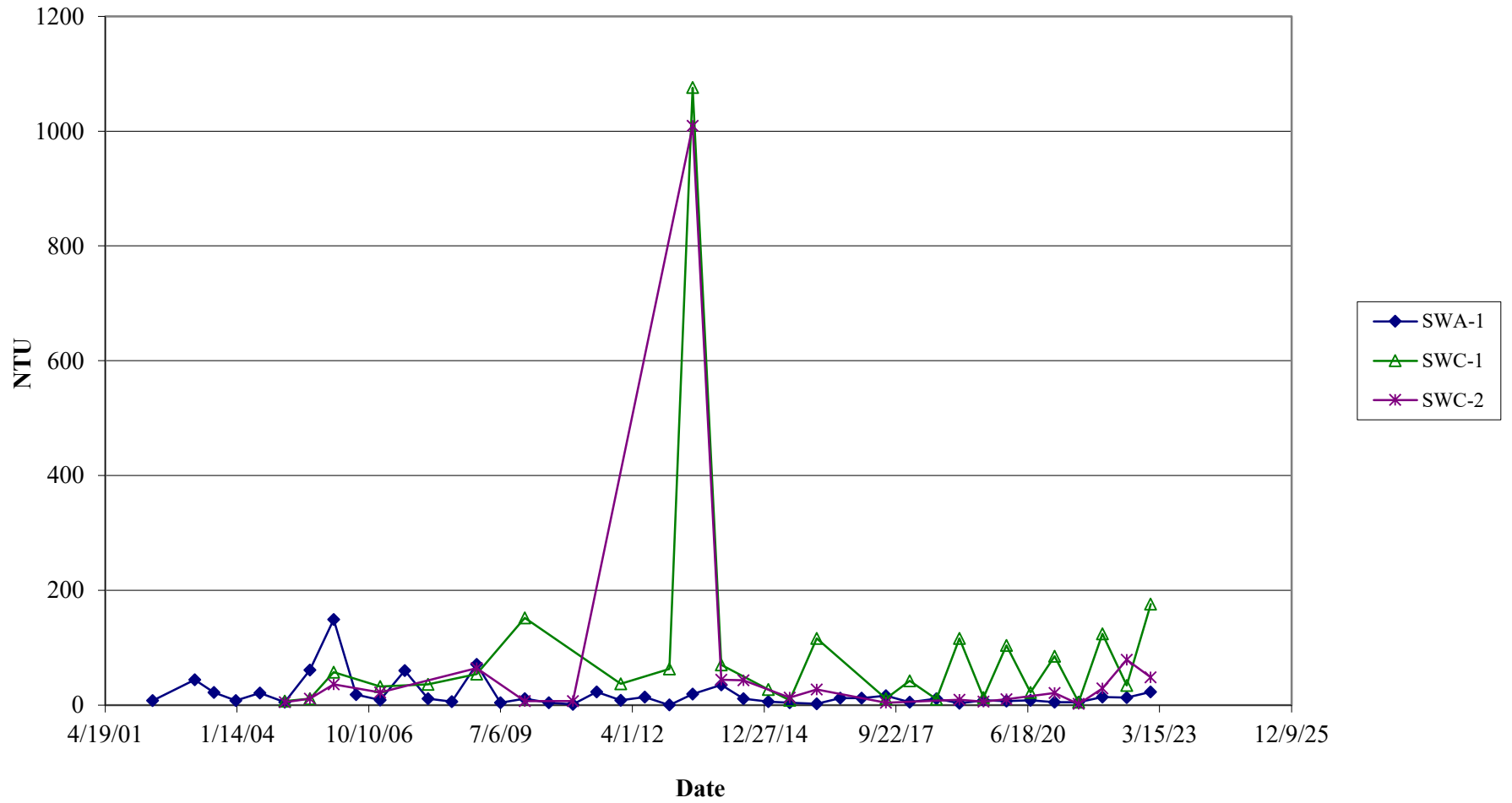
Temperature

Eagle Point Landfill - Forsyth Co., GA



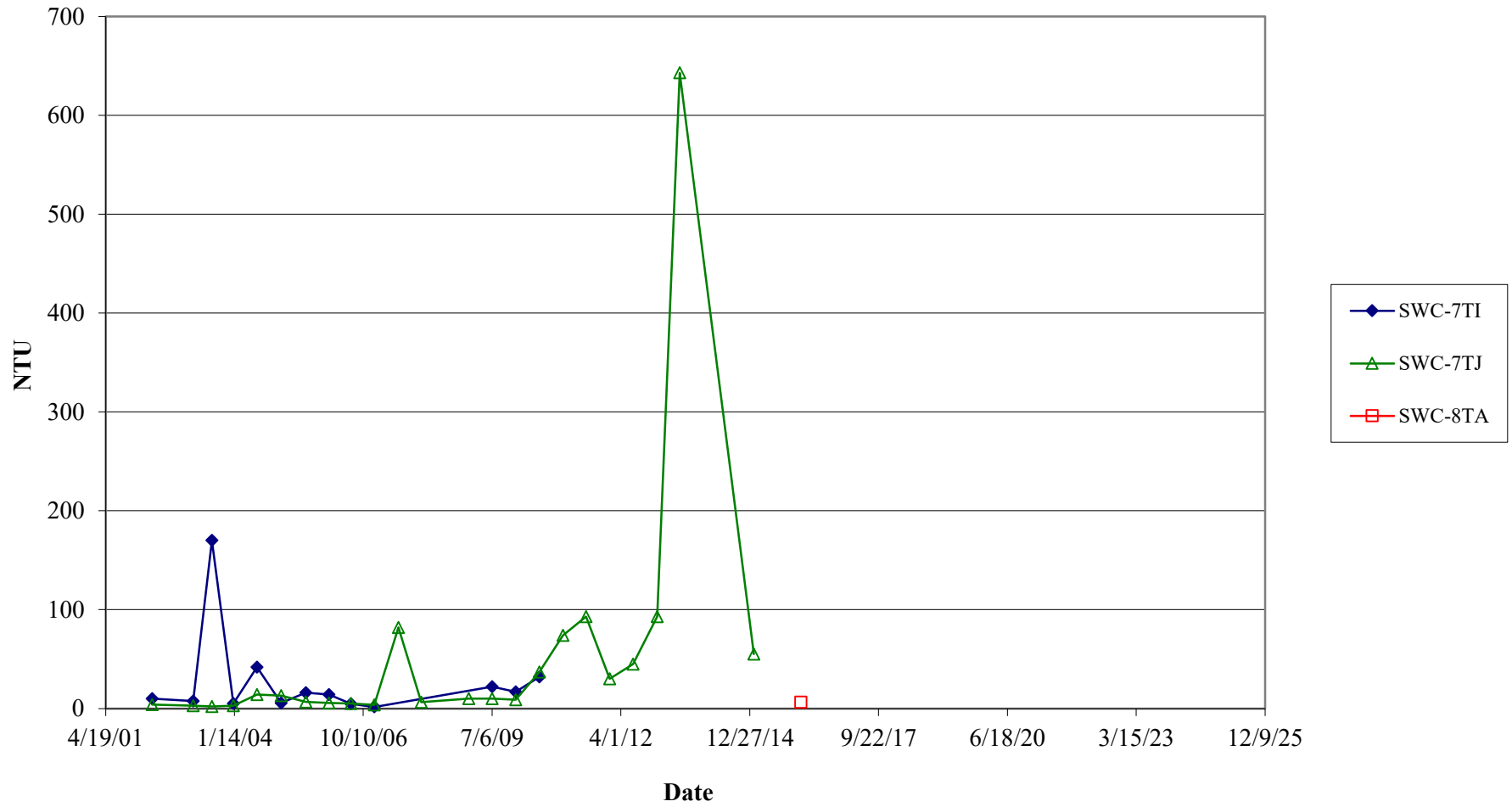
Turbidity

Eagle Point Landfill - Forsyth Co., GA



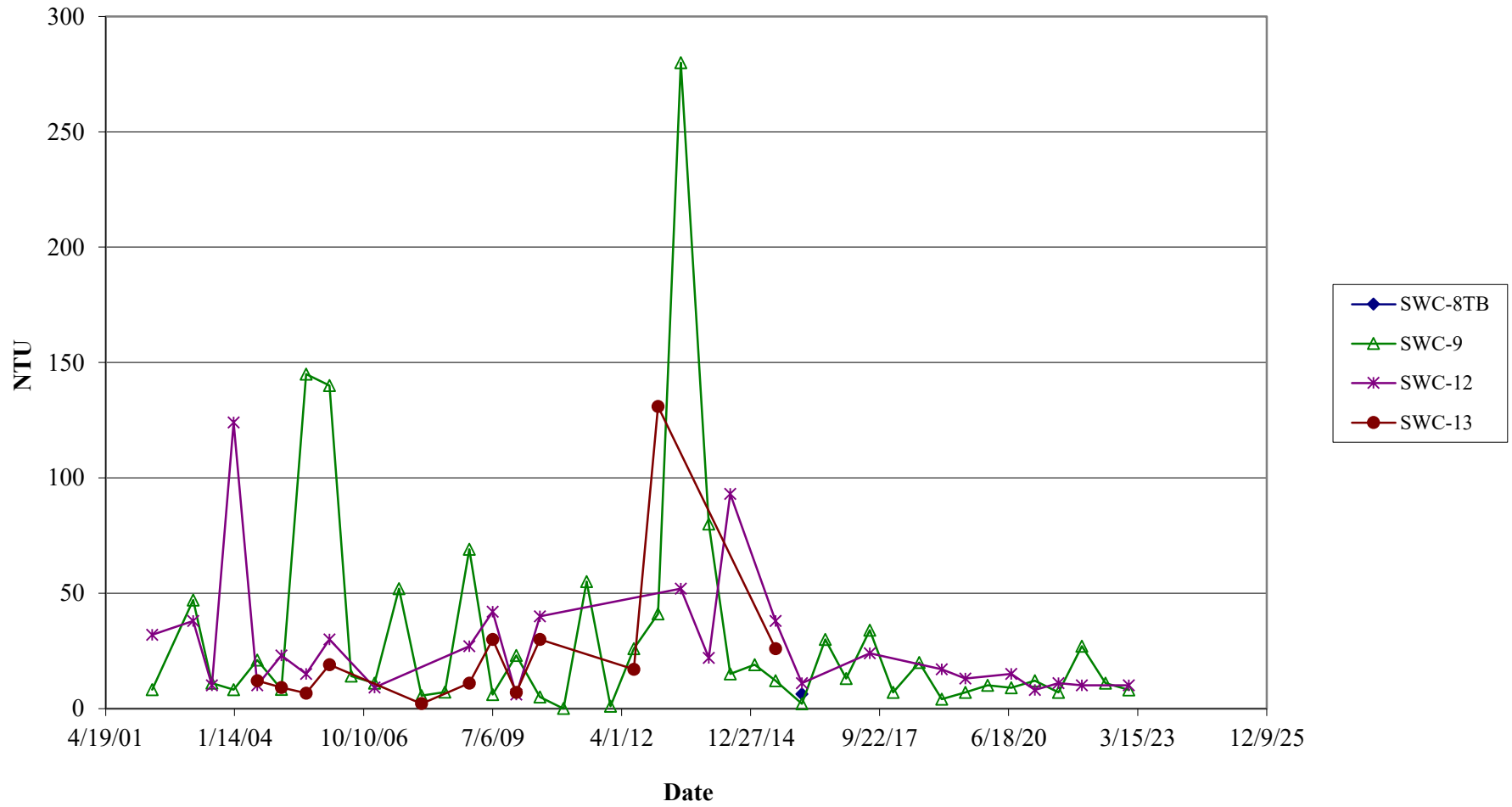
Turbidity

Eagle Point Landfill - Forsyth Co., GA



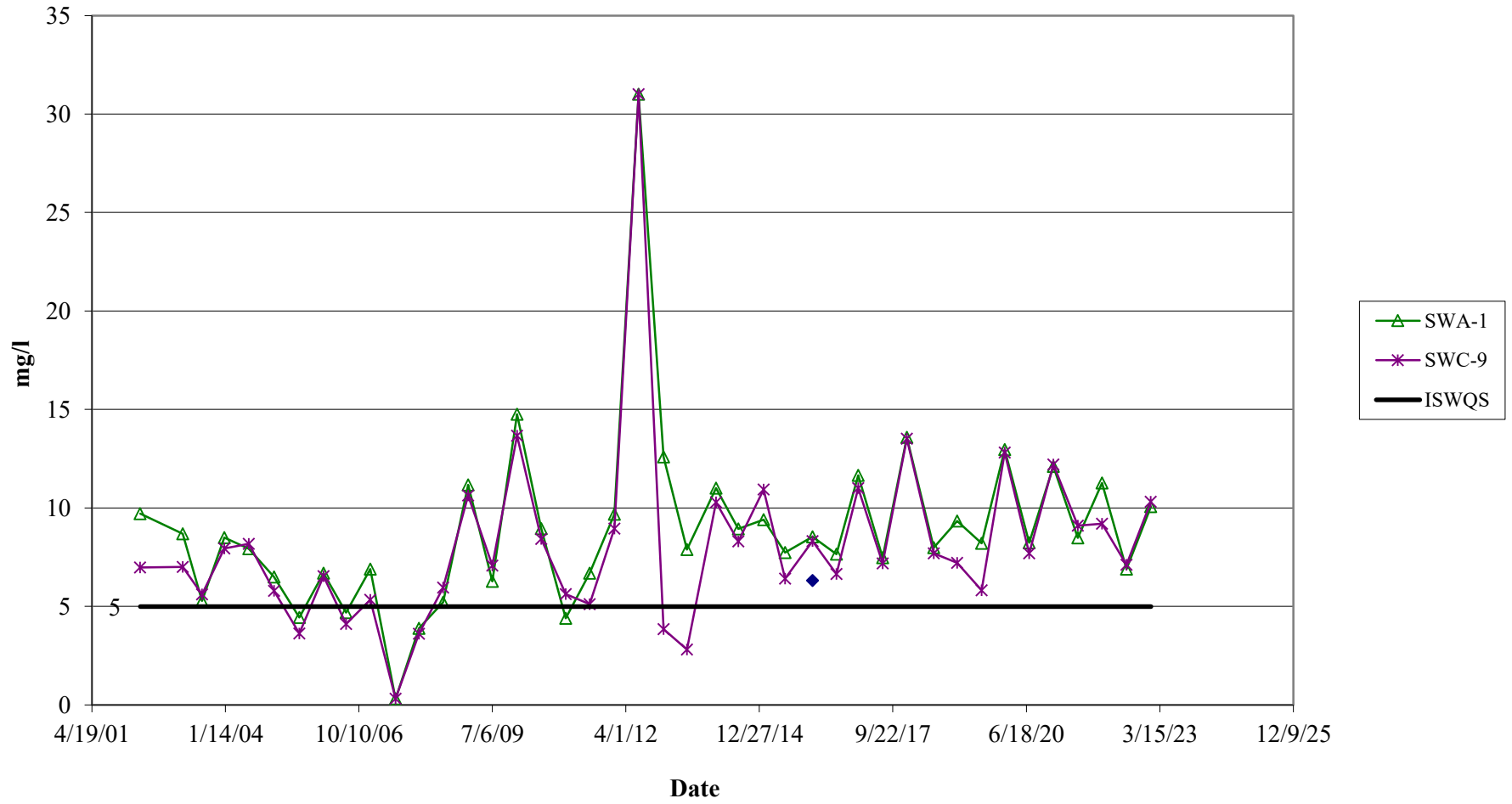
Turbidity

Eagle Point Landfill - Forsyth Co., GA



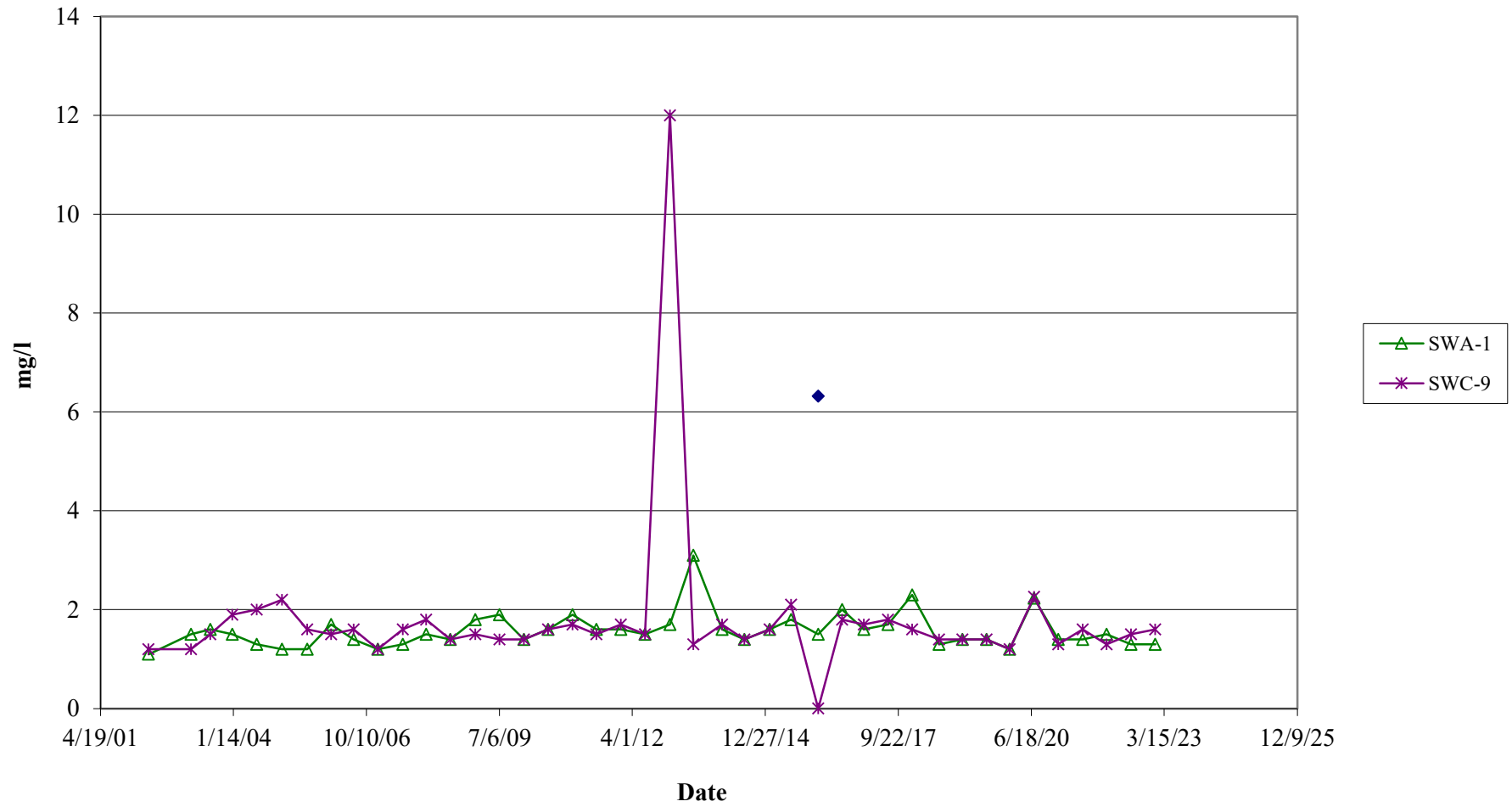
Dissolved Oxygen

Eagle Point Landfill - Forsyth Co., GA



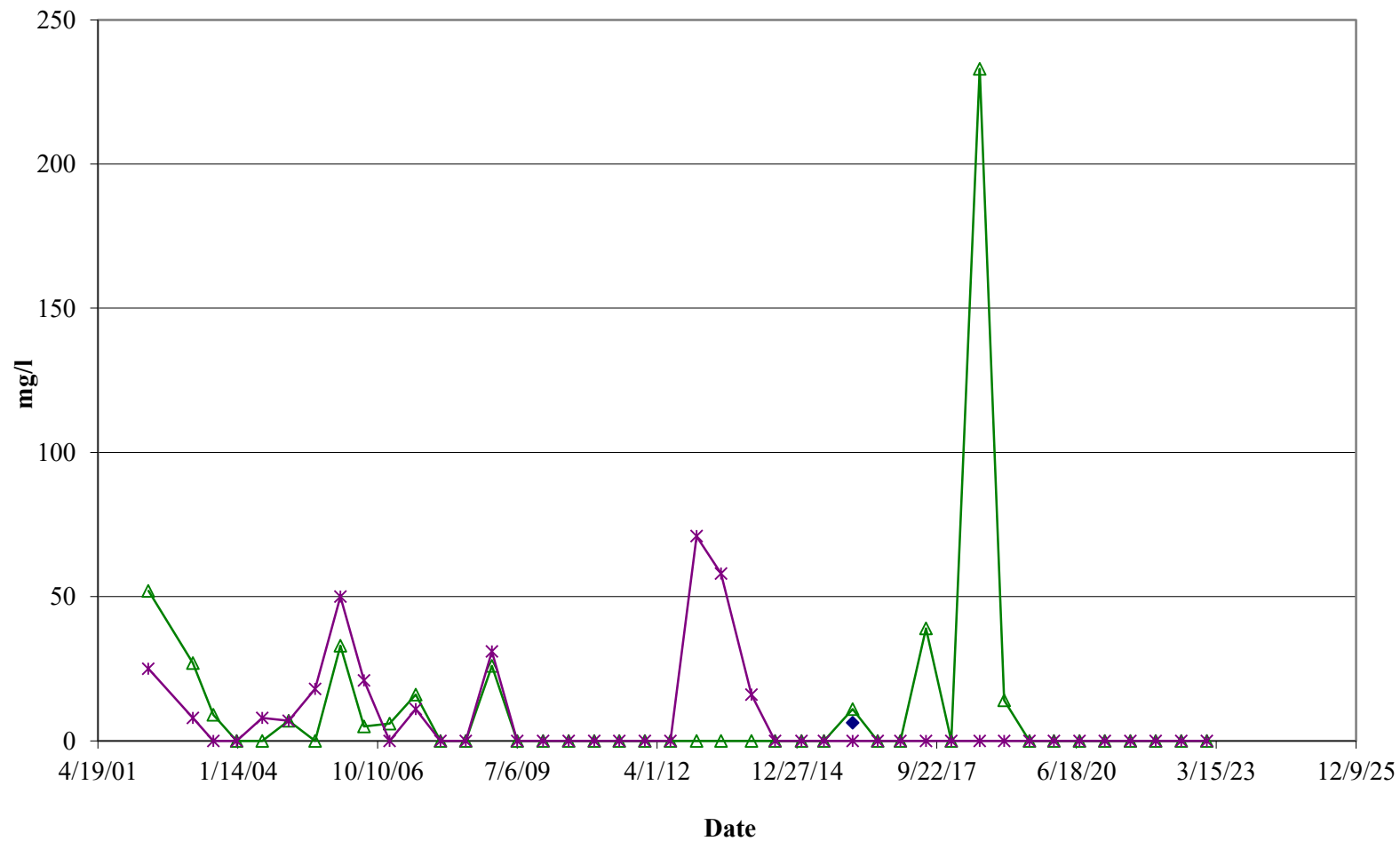
Chloride

Eagle Point Landfill - Forsyth Co., GA



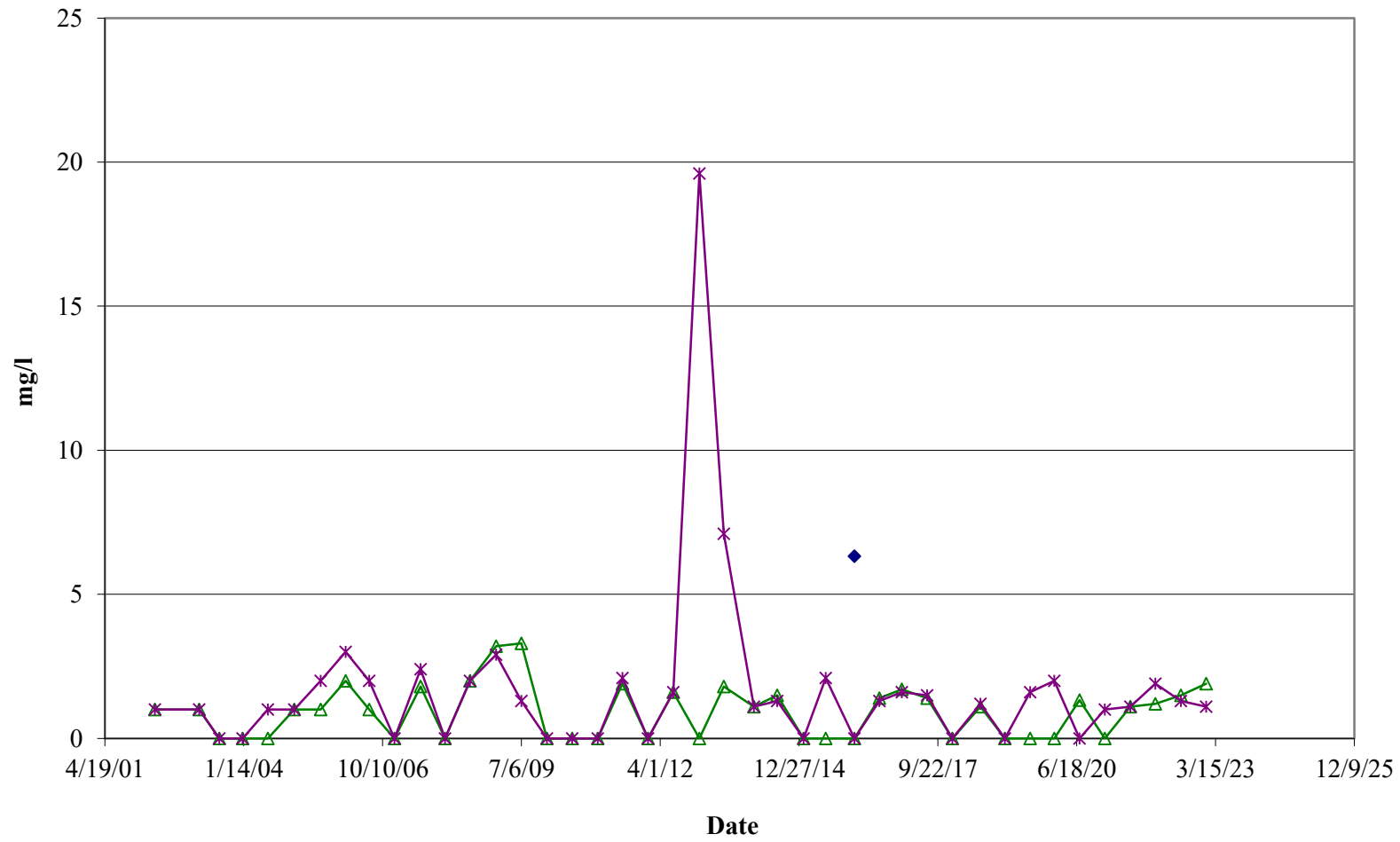
COD

Eagle Point Landfill - Forsyth Co., GA



TOC

Eagle Point Landfill - Forsyth Co., GA



APPENDIX E
Statistical Calculations

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

COMPOUND	TOTAL	ND	DETECTED	%ND	STATISTICAL TEST
Total Arsenic	1005	1002	3	99.7%	Non-Parametric Prediction Limits
Total Barium	1005	400	605	39.8%	Kruskal-Wallis
Total Cadmium	1005	1004	1	99.9%	Non-Parametric Prediction Limits
Total Beryllium	1005	1003	2	99.8%	Non-Parametric Prediction Limits
Total Chromium	1005	963	42	95.8%	Non-Parametric Prediction Limits
Total Cobalt	1005	938	67	93.3%	Non-Parametric Prediction Limits
Total Copper	1005	984	21	97.9%	Non-Parametric Prediction Limits
Total Lead	1005	998	7	99.3%	Non-Parametric Prediction Limits
Total Nickel	1005	980	25	97.5%	Non-Parametric Prediction Limits
Total Selenium	1005	987	18	98.2%	Non-Parametric Prediction Limits
Total Vanadium	1005	965	40	96.0%	Non-Parametric Prediction Limits
Total Zinc	1005	810	195	80.6%	Kruskal-Wallis
Benzene	1008	990	18	98.2%	Non-Parametric Prediction Limits
Carbon Disulfide	1005	1003	2	99.8%	Non-Parametric Prediction Limits
Chloroform	1005	1004	1	99.9%	Non-Parametric Prediction Limits
Cis 1,2-dichloroethene	966	958	8	99.2%	Non-Parametric Prediction Limits
Toluene	1005	1004	1	99.9%	Non-Parametric Prediction Limits
Xylenes	1005	1004	1	99.9%	Non-Parametric Prediction Limits

Sampling Event	# Detected
N 1	46
N 2	35
N 3	34
N 4	29
N 5	50
N 6	32
N 7	19
N 8	29
N 9	16
N 10	21
N 11	14
N 12	13
N 13	12
N 14	13
N 15	8
N 16	17
N 17	8
N 18	19
N 19	19
N 20	20
N 21	14
N 22	16
N 23	18
N 24	16
N 25	24
N 26	16
N 27	17
N 28	16
N 29	18
N 30	16
N 31	17
N 32	23
N 33	19

LEGEND FOR THE FOLLOWING PAGES:

ND = *Not Detected* at the method detection limit
MCL = *Primary Maximum Contaminant Level*; EPD Rule 391-3-5-.18.
NE = *Not Established*; EPD has not established a MCL
NP = *Not Present* during sampling event
NS = *Not Sampled*
NT = *Not Tested*
A = *Abandoned* well
MDL = *Method Detection Limit*

N 34	22
N 35	23
N 36	27
N2 new wells	0
N1 new wells	0
N2&N3 New Wells	1
N 37	25
N4 new wells	1
N 38	27
N 39	26
N 40	26
#N2 New wells (8-10-20)	1
#N3 New wells (9-16-20)	0
#N4 New wells (10-19-20)	1
N 41	31
N 42	31
N 43	32
N 44	34
N 45	27
N 46	38

Total Detected Concentrations (per compound) = 1057
Total Detected Concentrations (per event) = 1057
Are all accounted for? Yes
Statistical Package Prepared By: RLB
Statistical Package Checked By: TAO

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
GA MCL (µg/l): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	CWC-2	MDL
3/2/02	120	20
4/15/02	130	20
5/28/02	150	20
7/8/02	150	20
2/28/03	380	20
7/23/03	90	20
1/6/04	100	20
7/8/04	80	20
1/13/05	50	20
7/22/05	40	20
1/18/06	50	20
7/6/06	ND	20
1/4/07	60	20
7/11/07	ND	20
1/3/08	ND	20
7/2/08	40	20
1/5/09	ND	20
7/6/09	ND	20
1/6/10	22	20
7/8/10	ND	20
1/7/11	20.9	20
7/7/11	ND	20
1/5/12	24.1	20
7/6/12	20.3	20
1/9/13	20.8	20
7/3/13	ND	20
2/5/14	ND	20
7/23/14	ND	20
1/28/15	20	20
7/8/15	34.9	20
1/29/16	ND	20
7/27/16	59.6	20
1/5/17	Dry	20
7/6/17	35.2	20
1/4/18	21.5	20
7/25/18	ND	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	ND	20
2/20/19	NS	20
7/18/19	ND	20
1/8/20	ND	20
7/9/20	ND	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	24	20
7/9/21	ND	20
1/5/22	21	20
7/8/22	20	20
1/6/23	ND	20
7/13/23	29	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 44.295556 \\
 SD &= 64.311295 \\
 N &= 45 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 905076.1 \\
 \gamma_1 &= 3.519355
 \end{aligned}$$

Since the Coefficient of Skewness of 3.52 is greater than 1.0, the real data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. Perform the Skewness Test on the natural log of the values.

$$\begin{aligned}
 X_{\text{bar}} &= 3.2234514 \\
 SD &= 0.9826654 \\
 N &= 45 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 0.7585194 \\
 \gamma_1 &= 0.8267792
 \end{aligned}$$

Since the Coefficient of Skewness of 0.83 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the log-transformed values shown above.

Part 2: Shewhart-CUSUM Control Chart

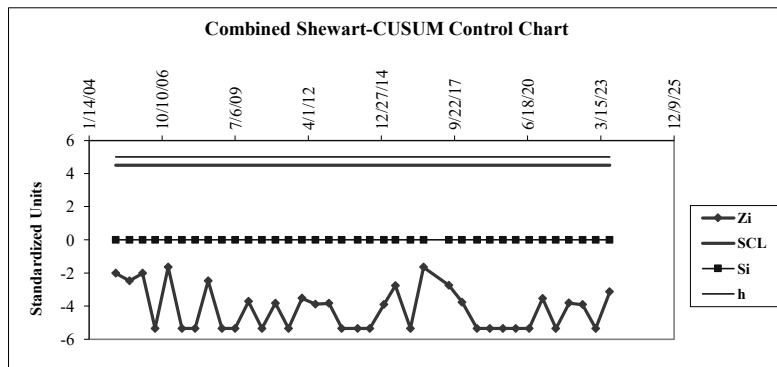
Compute the mean and standard deviation of the historical data:

- 4.8879343 = \bar{x}_{mean} (Mean of N1-N8 historical data)
- 0.4831973 = s (Standard Deviation of N1-N8 historical data)
- 1 = k (constant, reference value)
- 5 = h (constant, upper control limit for the CUSUM scheme)
- 4.5 = SCL (Constant, upper Shewhart Control Limit)

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
1/13/05	3.912023	-2.01969532	0	5	4.5
7/22/05	3.6888795	-2.48150161	0	5	4.5
1/18/06	3.912023	-2.01969532	0	5	4.5
7/6/06	2.3025851	-5.35050435	0	5	4.5
1/4/07	4.0943446	-1.6423721	0	5	4.5
7/11/07	2.3025851	-5.35050435	0	5	4.5
1/3/08	2.3025851	-5.35050435	0	5	4.5
7/2/08	3.6888795	-2.48150161	0	5	4.5
1/5/09	2.3025851	-5.35050435	0	5	4.5
7/6/09	2.3025851	-5.35050435	0	5	4.5
1/6/10	3.0910425	-3.71875399	0	5	4.5
7/8/10	2.3025851	-5.35050435	0	5	4.5
1/7/11	3.0397492	-3.82490792	0	5	4.5
7/7/11	2.3025851	-5.35050435	0	5	4.5
1/5/12	3.1822118	-3.53007456	0	5	4.5
7/6/12	3.0106209	-3.88519028	0	5	4.5
1/9/13	3.034953	-3.83483383	0	5	4.5
7/3/13	2.3025851	-5.35050435	0	5	4.5
2/5/14	2.3025851	-5.35050435	0	5	4.5
7/23/14	2.3025851	-5.35050435	0	5	4.5
1/28/15	2.9957323	-3.91600298	0	5	4.5
7/8/15	3.5524868	-2.7637727	0	5	4.5
1/29/16	2.3025851	-5.35050435	0	5	4.5
7/27/16	4.0876556	-1.65621528	0	5	4.5
7/6/17	3.5610461	-2.74605891	0	5	4.5
1/4/18	3.0680529	-3.7663319	0	5	4.5
7/25/18	2.3025851	-5.35050435	0	5	4.5
1/17/19	2.3025851	-5.35050435	0	5	4.5
7/18/19	2.3025851	-5.35050435	0	5	4.5
1/8/20	2.3025851	-5.35050435	0	5	4.5
7/9/20	2.3025851	-5.35050435	0	5	4.5
1/7/21	3.1780538	-3.53867976	0	5	4.5
7/9/21	2.3025851	-5.35050435	0	5	4.5
1/5/22	3.0445224	-3.81502939	0	5	4.5
7/8/22	2.9957323	-3.91600298	0	5	4.5
1/6/23	2.3025851	-5.35050435	0	5	4.5
7/13/23	3.3672958	-3.14703436	0	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h . The limits were not exceeded and do not indicate statistically significant evidence of contamination at the site.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
GA MCL ($\mu\text{g/l}$): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GW C-5	MDL
3/2/02	40	20
4/15/02	50	20
5/28/02	50	20
7/8/02	90	20
2/28/03	80	20
7/23/03	40	20
1/6/04	110	20
7/8/04	50	20
1/13/05	70	20
7/22/05	30	20
1/18/06	90	20
7/6/06	40	20
1/4/07	40	20
7/11/07	90	20
1/3/08	40	20
7/2/08	50	20
1/5/09	52	20
7/6/09	43	20
1/6/10	68	20
7/8/10	53	20
1/7/11	37.3	20
7/7/11	32.5	20
1/5/12	36.6	20
7/6/12	33.3	20
1/9/13	37	20
7/3/13	36.5	20
2/5/14	35.3	20
7/23/14	31	20
1/28/15	35.5	20
7/8/15	28.9	20
1/29/16	39.2	20
7/27/16	28.6	20
1/5/17	30.3	20
7/6/17	33.3	20
1/4/18	33.5	20
7/25/18	41	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20

1/17/19	38	20
2/20/19	NS	20
7/18/19	40	20
1/8/20	36	20
7/9/20	32.7	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	41	20
7/9/21	42	20
1/5/22	44	20
7/8/22	37	20
1/6/23	35	20
7/13/23	45	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 46.0108696 \\
 SD &= 18.6773211 \\
 N &= 46 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 11702.4461 \\
 \gamma_1 &= 1.85631156
 \end{aligned}$$

Since the Coefficient of Skewness of 1.86 is greater than 1.0, the real data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. Perform the Skewness Test on the natural log of the values.

$$\begin{aligned}
 X_{\text{bar}} &= 3.76828914 \\
 SD &= 0.32933792 \\
 N &= 46 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 0.0438198 \\
 \gamma_1 &= 1.26783614
 \end{aligned}$$

Since the Coefficient of Skewness of 1.27 is greater than 1.0, the data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. A non-parametric testing procedure should be used on the data set.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
MCL (µg/l): 2000
Method: Wilcoxon Rank Sum (intrawell)

	GWC-5 (BG)	GWC-5	MDL
03/02/02	40		20
04/15/02	50		20
05/28/02	50		20
07/08/02	90		20
02/28/03	80		20
07/23/03	40		20
01/06/04	110		20
07/08/04	50		20
01/13/05	70		20
07/22/05	30		20
01/18/06	90		20
07/06/06	40		20
01/04/07	40		20
07/11/07	90		20
01/03/08	40		20
07/02/08	50		20
01/05/09		52	20
07/06/09		43	20
01/06/10		68	20
07/08/10		53	20
01/07/11		37.3	20
07/07/11		32.5	20
01/05/12		36.6	20
07/06/12		33.3	20
01/09/13		37	20
07/03/13		36.5	20
02/05/14		35.3	20
07/23/14		31	20
01/28/15		35.5	20
07/08/15		28.9	20
01/29/16		39.2	20
07/27/16		28.6	20
01/05/17		30.3	20
07/06/17		33.3	20
01/04/18		33.5	20
07/25/18		41	20
10/02/18		NS	20
10/08/18		NS	20
11/20/18		NS	20
01/17/19		38	20
02/20/19		NS	20
07/18/19		40	20
01/08/20		36	20
07/09/20		32.7	20
08/10/20		NS	20

09/16/20	NS	20
10/19/20	NS	20
01/07/21	41	20
07/09/21	42	20
01/05/22	44	20
07/08/22	37	20
01/06/23	35	20
07/13/23	45	20

1) Rank the N = 46 observations from the smallest to the largest from background wells and compliance well GWC-5.

$$\begin{aligned}
 n &= 30 \\
 m &= 16 \\
 N &= 46 \\
 C_i \text{ (GWC-5)} &= 552.5
 \end{aligned}$$

2) Compute the Wilcoxon statistic by adding up the compliance well ranks and subtracting $n(n+1)/2$.

$$W = C_i - 1/2(n(n+1))$$

$$W = 87.5$$

3) Compute the expected value and standard deviation of W.

$$\begin{aligned}
 E(W) &= 1/2mn \\
 SD(W) &= ((mn(N+1)/12) * (1 - \sum_{i=1}^g (t_i^3 - t_i)/(N^3 - N)))^{0.5}
 \end{aligned}$$

$$E(W) = 240$$

Adjustment for tie values:

$$SD(W) = 43.289$$

4) Form the appropriate Z-score.

$$Z = (W - E(W) - 0.5)/SD(W)$$

$$Z = -3.534$$

5) Compare the observed Z-score to the upper 0.01 percentile of the normal distribution.

$$Z = -3.534$$

$$Z_{0.01} = 2.326$$

Since Z is smaller, there is not significant evidence of contamination at the compliance well at the 1 percent significance level.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
GA MCL (µg/l): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GWC-6	MDL
3/2/02	50	20
4/15/02	40	20
5/28/02	40	20
7/8/02	40	20
2/28/03	50	20
7/23/03	30	20
1/6/04	60	20
7/8/04	60	20
1/13/05	50	20
7/22/05	20	20
1/18/06	30	20
7/6/06	20	20
1/4/07	40	20
7/11/07	30	20
1/3/08	40	20
7/2/08	40	20
1/5/09	56	20
7/6/09	47	20
1/6/10	44	20
7/8/10	49	20
1/7/11	53.2	20
7/7/11	61.8	20
1/5/12	69.1	20
7/6/12	66.8	20
1/9/13	71	20
7/3/13	63.9	20
2/5/14	60.7	20
7/23/14	65.7	20
1/28/15	69.6	20
7/8/15	67.6	20
1/29/16	76.7	20
7/27/16	71.3	20
1/5/17	69.4	20
7/6/17	70.5	20
1/4/18	71.4	20
7/25/18	70	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	75	20
2/20/19	NS	20
7/18/19	73	20
1/8/20	69	20
7/9/20	66.3	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	77	20
7/9/21	72	20
1/5/22	72	20
7/8/22	76	20
1/6/23	66	20
7/13/23	66	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 57.108696 \\
 SD &= 16.006899 \\
 N &= 46 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= -2888.8994 \\
 \gamma_1 &= 0.7279957
 \end{aligned}$$

Since the Coefficient of Skewness of 0.73 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the real detected values shown above.

$$\begin{aligned}
 X_{\text{bar}} &= 3.9949946 \\
 SD &= 0.3439798 \\
 N &= 46 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= -0.0516505 \\
 \gamma_1 &= 1.3115761
 \end{aligned}$$

Use the real values (not log-transformed) indicated in the previous section.

Part 2: Shewhart-CUSUM Control Chart

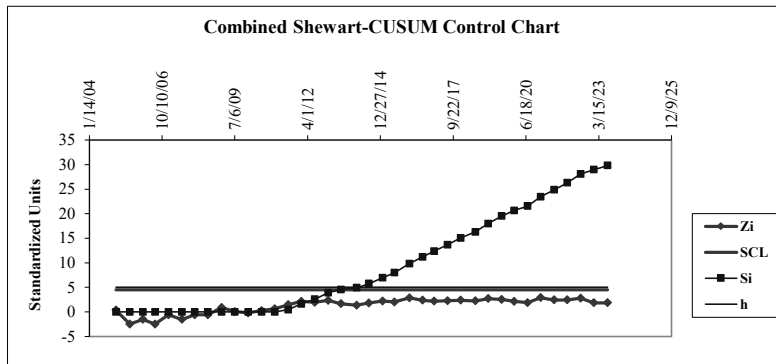
Compute the mean and standard deviation of the historical data:

- 46.25 = \bar{x}_{mean} (Mean of N1-N8 historical data)
- 10.606602 = s (Standard Deviation of N1-N8 historical data)
- 1 = k (constant, reference value)
- 5 = h (constant, upper control limit for the CUSUM scheme)
- 4.5 = SCL (Constant, upper Shewhart Control Limit)

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
1/13/05	50	0.35355339	0	5	4.5
7/22/05	20	-2.47487373	0	5	4.5
1/18/06	30	-1.53206469	0	5	4.5
7/6/06	20	-2.47487373	0	5	4.5
1/4/07	40	-0.58925565	0	5	4.5
7/11/07	30	-1.53206469	0	5	4.5
1/3/08	40	-0.58925565	0	5	4.5
7/2/08	40	-0.58925565	0	5	4.5
1/5/09	56	0.91923882	0	5	4.5
7/6/09	47	0.07071068	0	5	4.5
1/6/10	44	-0.21213203	0	5	4.5
7/8/10	49	0.25927249	0	5	4.5
1/7/11	53.2	0.65525228	0	5	4.5
7/7/11	61.8	1.46606806	0.46606806	5	4.5
1/5/12	69.1	2.15431866	1.62038672	5	4.5
7/6/12	66.8	1.93747258	2.5578593	5	4.5
1/9/13	71	2.33345238	3.89131168	5	4.5
7/3/13	63.9	1.66405796	4.55536964	5	4.5
2/5/14	60.7	1.36235907	4.9177287	5	4.5
7/23/14	65.7	1.83376359	5.75149229	5	4.5
1/28/15	69.6	2.20145911	6.9529514	5	4.5
7/8/15	67.6	2.0128973	7.9658487	5	4.5
1/29/16	76.7	2.87085353	9.83670223	5	4.5
7/27/16	71.3	2.36173665	11.1984389	5	4.5
1/5/17	69.4	2.18260293	12.3810418	5	4.5
7/6/17	70.5	2.28631193	13.6673537	5	4.5
1/4/18	71.4	2.37116474	15.0385185	5	4.5
7/25/18	70	2.23917147	16.27769	5	4.5
1/17/19	75	2.71057599	17.9882659	5	4.5
7/18/19	73	2.52201419	19.5102801	5	4.5
1/8/20	69	2.14489057	20.6551707	5	4.5
7/9/20	66.3	1.89033213	21.5455028	5	4.5
1/7/21	77	2.8991378	23.4446406	5	4.5
7/9/21	72	2.42773328	24.8723739	5	4.5
1/5/22	72	2.42773328	26.3001072	5	4.5
7/8/22	76	2.8048569	28.1049641	5	4.5
1/6/23	66	1.86204786	28.967012	5	4.5
7/13/23	66	1.86204786	29.8290598	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h . One, or both, of the control limits was exceeded. Therefore, there is statistically significant evidence of contamination in this well at the concentrations indicated above.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
GA MCL (µg/l): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GWC-7A	MDL
3/2/02	250	20
4/15/02	170	20
5/28/02	130	20
7/8/02	40	20
2/28/03	100	20
7/23/03	70	20
1/6/04	70	20
7/8/04	50	20
1/13/05	30	20
7/22/05	30	20
1/18/06	30	20
7/6/06	40	20
1/4/07	40	20
7/11/07	40	20
1/3/08	40	20
7/2/08	30	20
1/5/09	26	20
7/6/09	30	20
1/6/10	27	20
7/8/10	28	20
1/7/11	27.3	20
7/7/11	27.2	20
1/5/12	28.3	20
7/6/12	29.3	20
1/9/13	28.7	20
7/3/13	26.8	20
2/5/14	25.6	20
7/23/14	26.2	20
1/28/15	28.8	20
7/8/15	27.1	20
1/29/16	28.1	20
7/27/16	29.1	20
1/5/17	30.1	20
7/6/17	28.4	20
1/4/18	29.2	20
7/25/18	29	20
10/2/18	NS	20
10/8/18	NS	20

11/20/18	NS	20
1/17/19	31	20
2/20/19	NS	20
7/18/19	30	20
1/8/20	32	20
7/9/20	28.7	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	35	20
7/9/21	29	20
1/5/22	35	20
7/8/22	30	20
1/6/23	29	20
7/13/23	30	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
X_{\text{bar}} &= 44.1282609 \\
SD &= 41.6302383 \\
N &= 46 \\
1/N \sum_i (X_i - X_{\text{bar}})^3 &= 248709.693 \\
\gamma_1 &= 3.56273892
\end{aligned}$$

Since the Coefficient of Skewness of 3.56 is greater than 1.0, the real data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. Perform the Skewness Test on the natural log of the values.

$$\begin{aligned}
X_{\text{bar}} &= 3.59834781 \\
SD &= 0.50821686 \\
N &= 46 \\
1/N \sum_i (X_i - X_{\text{bar}})^3 &= 0.30179082 \\
\gamma_1 &= 2.37616613
\end{aligned}$$

Since the Coefficient of Skewness of 2.38 is greater than 1.0, the data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. A non-parametric testing procedure should be used on the data set.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
MCL (µg/l): 2000
Method: Wilcoxon Rank Sum (intrawell)

	GWC-7 (BG)	GWC-7	MDL
03/02/02	250		20
04/15/02	170		20
05/28/02	130		20
07/08/02	40		20
02/28/03	100		20
07/23/03	70		20
01/06/04	70		20
07/08/04	50		20
01/13/05	30		20
07/22/05	30		20
01/18/06	30		20
07/06/06	40		20
01/04/07	40		20
07/11/07	40		20
01/03/08	40		20
07/02/08	30		20
01/05/09		26	20
07/06/09		30	20
01/06/10		27	20
07/08/10		28	20
01/07/11		27.3	20
07/07/11		27.2	20
01/05/12		28.3	20
07/06/12		29.3	20
01/09/13		28.7	20
07/03/13		26.8	20
02/05/14		25.6	20
07/23/14		26.2	20
01/28/15		28.8	20
07/08/15		27.1	20
01/29/16		28.1	20
07/27/16		29.1	20
01/05/17		30.1	20
07/06/17		28.4	20
01/04/18		29.2	20
07/25/18		29	20
10/02/18		NS	20
10/08/18		NS	20
11/20/18		NS	20
01/17/19		31	20
02/20/19		NS	20
07/18/19		30	20
01/08/20		32	20
07/09/20		28.7	20
08/10/20		NS	20

09/16/20	NS	20
10/19/20	NS	20
01/07/21	35	20
07/09/21	29	20
01/05/22	35	20
07/08/22	30	20
01/06/23	29	20
07/13/23	30	20

1) Rank the N = 46 observations from the smallest to the largest from background wells and compliance well GWC-7.

$$\begin{aligned}
 n &= 30 \\
 m &= 16 \\
 N &= 46 \\
 C_i \text{ (GWC-7)} &= 493.0
 \end{aligned}$$

2) Compute the Wilcoxon statistic by adding up the compliance well ranks and subtracting $n(n+1)/2$.

$$W = C_i - 1/2(n(n+1))$$

$$W = 28$$

3) Compute the expected value and standard deviation of W.

$$\begin{aligned}
 E(W) &= 1/2mn \\
 SD(W) &= ((mn(N+1)/12) * (1 - \sum_{i=1}^g (t_i^3 - t_i)/(N^3 - N)))^{0.5}
 \end{aligned}$$

$$E(W) = 240$$

Adjustment for tie values:

$$SD(W) = 43.210$$

4) Form the appropriate Z-score.

$$Z = (W - E(W) - 0.5)/SD(W)$$

$$Z = -4.918$$

5) Compare the observed Z-score to the upper 0.01 percentile of the normal distribution.

$$Z = -4.918$$

$$Z_{0.01} = 2.326$$

Since Z is smaller, there is not significant evidence of contamination at the compliance well at the 1 percent significance level.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
GA MCL (µg/l): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GWC-8	MDL
3/2/02	20	20
4/15/02	20	20
5/28/02	20	20
7/8/02	ND	20
2/28/03	30	20
7/23/03	20	20
1/6/04	30	20
7/8/04	20	20
1/13/05	ND	20
7/22/05	ND	20
1/18/06	ND	20
7/6/06	20	20
1/4/07	30	20
7/11/07	20	20
1/3/08	ND	20
7/2/08	20	20
1/5/09	26	20
7/6/09	32	20
1/6/10	42	20
7/8/10	33	20
1/7/11	26	20
7/7/11	58.9	20
1/5/12	65.9	20
7/6/12	58.9	20
1/9/13	58.5	20
7/3/13	54.8	20
2/5/14	64.4	20
7/23/14	60.6	20
1/28/15	62.4	20
7/8/15	72.5	20
1/29/16	71.2	20
7/27/16	57.4	20
1/5/17	51.9	20
7/6/17	27.7	20
1/4/18	53.7	20
7/25/18	51	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	49	20
2/20/19	NS	20
7/18/19	63	20
1/8/20	47	20
7/9/20	59.4	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	68	20
7/9/21	58	20
1/5/22	48	20
7/8/22	53	20
1/6/23	38	20
7/13/23	42	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 40.308696 \\
 SD &= 19.602163 \\
 N &= 46 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= -536.17117 \\
 \gamma_1 &= 0.0735715
 \end{aligned}$$

Since the Coefficient of Skewness of 0.07 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the real detected values shown above.

$$\begin{aligned}
 X_{\text{bar}} &= 3.5427218 \\
 SD &= 0.6091943 \\
 N &= 46 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= -0.1591307
 \end{aligned}$$

$$\gamma_1 = 0.7274524$$

Use the real values (not log-transformed) indicated in the previous section.

Part 2: Shewhart-CUSUM Control Chart

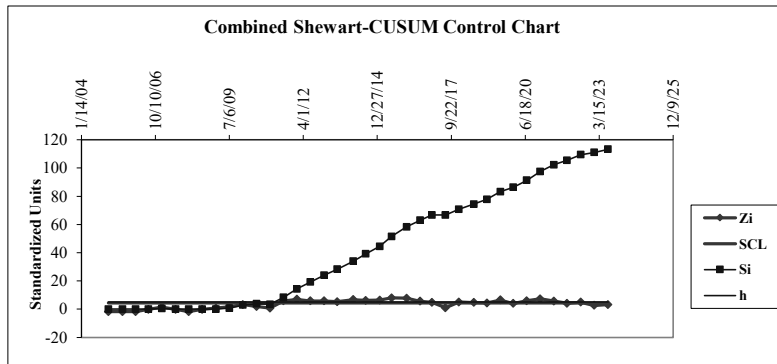
Compute the mean and standard deviation of the historical data:

- 21.25 = \bar{x}_{mean} (Mean of N1-N8 historical data)
- 6.4086994 = s (Standard Deviation of N1-N8 historical data)
- 1 = k (constant, reference value)
- 5 = h (constant, upper control limit for the CUSUM scheme)
- 4.5 = SCL (Constant, upper Shewhart Control Limit)

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
1/13/05	10	-1.75542637	0	5	4.5
7/22/05	10	-1.75542637	0	5	4.5
1/18/06	10	-1.75542637	0	5	4.5
7/6/06	20	-0.19504737	0	5	4.5
1/4/07	30	1.36533162	0.36533162	5	4.5
7/11/07	20	-0.19504737	0	5	4.5
1/3/08	10	-1.75542637	0	5	4.5
7/2/08	20	-0.19504737	0	5	4.5
1/5/09	26	0.74118002	0	5	4.5
7/6/09	32	1.67740742	0.67740742	5	4.5
1/6/10	42	3.23778642	2.91519383	5	4.5
7/8/10	33	1.83344532	3.74863915	5	4.5
1/7/11	26	0.74118002	3.48981918	5	4.5
7/7/11	58.9	5.87482692	8.36464609	5	4.5
1/5/12	65.9	6.96709221	14.3317383	5	4.5
7/6/12	58.9	5.87482692	19.2065652	5	4.5
1/9/13	58.5	5.81241176	24.018977	5	4.5
7/3/13	54.8	5.23507153	28.2540485	5	4.5
2/5/14	64.4	6.73303536	33.9870839	5	4.5
7/23/14	60.6	6.14009135	39.1271752	5	4.5
1/28/15	62.4	6.42095957	44.5481348	5	4.5
7/8/15	72.5	7.99694235	51.5450771	5	4.5
1/29/16	71.2	7.79409308	58.3391702	5	4.5
7/27/16	57.4	5.64077007	62.9799403	5	4.5
1/5/17	51.9	4.78256162	66.7625019	5	4.5
7/6/17	27.7	1.00644445	66.7689464	5	4.5
1/4/18	53.7	5.06342984	70.8323762	5	4.5
7/25/18	51	4.64212751	74.4745037	5	4.5
1/17/19	49	4.33005171	77.8045554	5	4.5
7/18/19	63	6.51458231	83.3191377	5	4.5
1/8/20	47	4.01797591	86.3371136	5	4.5
7/9/20	59.4	5.95284587	91.2899595	5	4.5
1/7/21	68	7.2947718	97.5847313	5	4.5
7/9/21	58	5.73439281	102.319124	5	4.5
1/5/22	48	4.17401381	105.493138	5	4.5
7/8/22	53	4.95420331	109.447341	5	4.5
1/6/23	38	2.61363482	111.060976	5	4.5
7/13/23	42	3.23778642	113.298762	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h . One, or both, of the control limits was exceeded. Therefore, there is statistically significant evidence of contamination in this well at the concentrations indicated above.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
GA MCL (µg/l): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GWC-9	MDL
3/2/02	NP	20
4/15/02	NP	20
5/28/02	NP	20
7/8/02	NP	20
2/28/03	60	20
7/23/03	ND	20
1/6/04	ND	20
7/8/04	ND	20
1/13/05	ND	20
7/22/05	ND	20
1/18/06	20	20
7/6/06	20	20
1/4/07	20	20
7/11/07	20	20
1/3/08	Dry	20
7/2/08	30	20
1/5/09	35	20
7/6/09	29	20
1/6/10	ND	20
7/8/10	37	20
1/7/11	34.4	20
7/7/11	35.6	20
1/5/12	Dry	20
7/6/12	Dry	20
1/9/13	Dry	20
7/3/13	37.6	20
2/5/14	37.2	20
7/23/14	49.6	20
1/28/15	115	20
7/8/15	160	20
1/29/16	293	20
7/27/16	427	20
1/5/17	426	20
7/6/17	320	20
1/4/18	366	20
7/25/18	550	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	510	20
2/20/19	NS	20
7/18/19	350	20
1/8/20	370	20
7/9/20	308	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	390	20
7/9/21	300	20
1/5/22	230	20
7/8/22	130	20
1/6/23	110	20
7/13/23	82	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 156.90526 \\
 SD &= 168.8382 \\
 N &= 38 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 3934436.4 \\
 \gamma_1 &= 0.8508307
 \end{aligned}$$

Since the Coefficient of Skewness of 0.85 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the real detected values shown above.

$$X_{\text{bar}} = 4.2762188$$

$$\begin{aligned}
 SD &= 1.3817662 \\
 N &= 38 \\
 1/N \sum_i (X_i - \bar{X}_{\text{bar}})^2 &= 0.0320229 \\
 \gamma_i &= 0.0126337
 \end{aligned}$$

Use the real values (not log-transformed) indicated in the previous section.

Part 2: Shewhart-CUSUM Control Chart

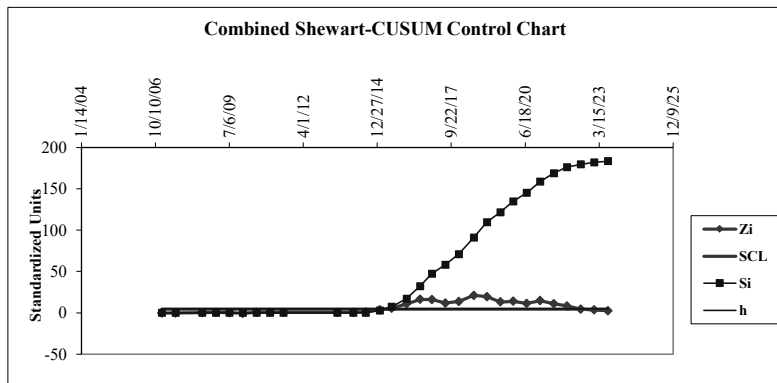
Compute the mean and standard deviation of the historical data:

$$\begin{aligned}
 22.5 &= \bar{x}_{\text{mean}} \text{ (Mean of N1-N8 historical data)} \\
 25 &= s \text{ (Standard Deviation of N1-N8 historical data)} \\
 1 &= k \text{ (constant, reference value)} \\
 5 &= h \text{ (constant, upper control limit for the CUSUM scheme)} \\
 4.5 &= \text{SCL (Constant, upper Shewhart Control Limit)}
 \end{aligned}$$

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
1/4/07	20	-0.1	0	5	4.5
7/11/07	20	-0.1	0	5	4.5
7/2/08	30	0.3	0	5	4.5
1/5/09	35	0.5	0	5	4.5
7/6/09	29	0.26	0	5	4.5
1/6/10	10	-0.5	0	5	4.5
7/8/10	37	0.58	0	5	4.5
1/7/11	34.4	0.476	0	5	4.5
7/7/11	35.6	0.524	0	5	4.5
7/3/13	37.6	0.604	0	5	4.5
2/5/14	37.2	0.588	0	5	4.5
7/23/14	49.6	1.084	0.084	5	4.5
1/28/15	115	3.7	2.784	5	4.5
7/8/15	160	5.5	7.284	5	4.5
1/29/16	293	10.82	17.104	5	4.5
7/27/16	427	16.18	32.284	5	4.5
1/5/17	426	16.14	47.424	5	4.5
7/6/17	320	11.9	58.324	5	4.5
1/4/18	366	13.74	71.064	5	4.5
7/25/18	550	21.1	91.164	5	4.5
1/17/19	510	19.5	109.664	5	4.5
7/18/19	350	13.1	121.764	5	4.5
1/8/20	370	13.9	134.664	5	4.5
7/9/20	308	11.42	145.084	5	4.5
1/7/21	390	14.7	158.784	5	4.5
7/9/21	300	11.1	168.884	5	4.5
1/5/22	230	8.3	176.184	5	4.5
7/8/22	130	4.3	179.484	5	4.5
1/6/23	110	3.5	181.984	5	4.5
7/13/23	82	2.38	183.364	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h. One, or both, of the control limits was exceeded. Therefore, there is statistically significant evidence of contamination in this well at the concentrations indicated above.

Forsyth County, Georgia
BLE Project Number J23-1472-181

Compound: Total Barium
GA MCL (µg/l): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GWC-10	MDL
2/28/03	50	20
7/23/03	20	20
1/6/04	50	20
7/8/04	60	20
1/13/05	40	20
7/22/05	260	20
1/18/06	30	20
7/6/06	30	20
1/4/07	30	20
7/11/07	40	20
1/3/08	40	20
7/2/08	140	20
1/5/09	ND	20
7/6/09	22	20
1/6/10	22	20
7/8/10	21	20
1/7/11	Dry	20
7/7/11	Dry	20
1/5/12	Dry	20
7/6/12	22.5	20
1/9/13	22.3	20
7/3/13	ND	20
2/5/14	20.4	20
7/23/14	22.5	20
1/28/15	26.2	20
7/8/15	26.4	20
1/29/16	26.9	20
7/27/16	29.1	20
1/5/17	29.9	20
7/6/17	43.2	20
1/4/18	34.7	20
7/25/18	31	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	34	20
2/20/19	NS	20
7/18/19	36	20
1/8/20	43	20
7/9/20	46.3	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	72	20
7/9/21	80	20
1/5/22	110	20
7/8/22	120	20
1/6/23	130	20
7/13/23	87	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 50.471795 \\
 SD &= 47.229317 \\
 N &= 39 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 272232.28 \\
 \gamma_1 &= 2.6867431
 \end{aligned}$$

Since the Coefficient of Skewness of 2.69 is greater than 1.0, the real data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. Perform the Skewness Test on the natural log of the values.

$$\begin{aligned}
 X_{\text{bar}} &= 3.6512397 \\
 SD &= 0.6947267 \\
 N &= 39 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 0.2074072 \\
 \gamma_1 &= 0.6431367
 \end{aligned}$$

Since the Coefficient of Skewness of 0.64 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the log-transformed values shown above.

Part 2: Shewhart-CUSUM Control Chart

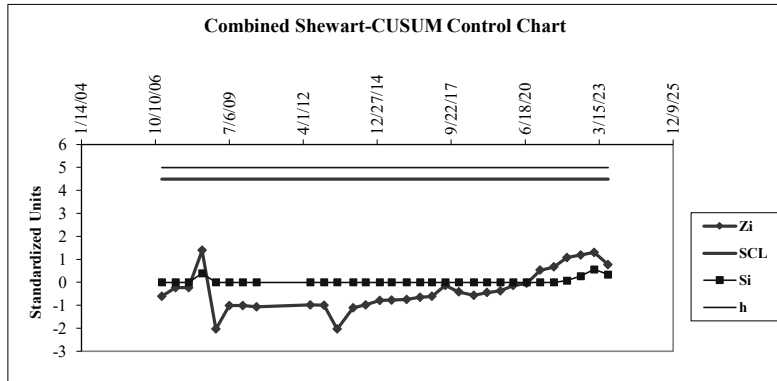
Compute the mean and standard deviation of the historical data:

- 3.8707598 = x_{mean} (Mean of N1-N8 historical data)
- 0.7698759 = s (Standard Deviation of N1-N8 historical data)
- 1 = k (constant, reference value)
- 5 = h (constant, upper control limit for the CUSUM scheme)
- 4.5 = SCL (Constant, upper Shewhart Control Limit)

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
1/4/07	3.4011974	-0.60991965	0	5	4.5
7/11/07	3.6888795	-0.23624636	0	5	4.5
1/3/08	3.6888795	-0.23624636	0	5	4.5
7/2/08	4.9416424	1.39098074	0.39098074	5	4.5
1/5/09	2.3025851	-2.03691879	0	5	4.5
7/6/09	3.0910425	-1.01278317	0	5	4.5
1/6/10	3.0910425	-1.01278317	0	5	4.5
7/8/10	3.0445224	-1.07320851	0	5	4.5
7/6/12	3.1135153	-0.98359294	0	5	4.5
1/9/13	3.1045867	-0.99519043	0	5	4.5
7/3/13	2.3025851	-2.03691879	0	5	4.5
2/5/14	3.0155349	-1.11086073	0	5	4.5
7/23/14	3.1135153	-0.98359294	0	5	4.5
1/28/15	3.2657594	-0.78584146	0	5	4.5
7/8/15	3.273364	-0.77596377	0	5	4.5
1/29/16	3.2921263	-0.75159325	0	5	4.5
7/27/16	3.3707382	-0.64948344	0	5	4.5
1/5/17	3.3978585	-0.61425658	0	5	4.5
7/6/17	3.7658405	-0.13628084	0	5	4.5
1/4/18	3.5467397	-0.42087321	0	5	4.5
7/25/18	3.4339872	-0.5673286	0	5	4.5
1/17/19	3.5263605	-0.44734392	0	5	4.5
7/18/19	3.5835189	-0.37310025	0	5	4.5
1/8/20	3.7612001	-0.14230828	0	5	4.5
7/9/20	3.835142	-0.04626444	0	5	4.5
1/7/21	4.2766661	0.52723597	0	5	4.5
7/9/21	4.3820266	0.66408986	0	5	4.5
1/5/22	4.7004804	1.07773279	0.07773279	5	4.5
7/8/22	4.7874917	1.19075279	0.26848557	5	4.5
1/6/23	4.8675345	1.29472111	0.56320668	5	4.5
7/13/23	4.4659081	0.77304441	0.33625109	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h . The limits were not exceeded and do not indicate statistically significant evidence of contamination at the site.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
GA MCL (µg/l): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GWC-11	MDL
3/2/02	NP	20
4/15/02	NP	20
5/28/02	NP	20
7/8/02	NP	20
2/28/03	50	20
7/23/03	ND	20
1/6/04	ND	20
7/8/04	ND	20
1/13/05	20	20
7/22/05	ND	20
1/18/06	20	20
7/6/06	20	20
1/4/07	ND	20
7/11/07	30	20
1/3/08	ND	20
7/2/08	30	20
1/5/09	Dry	20
7/6/09	28	20
1/6/10	74	20
7/8/10	21	20
1/7/11	Dry	20
7/7/11	67.5	20
1/5/12	33	20
7/6/12	Dry	20
1/9/13	118	20
7/3/13	45.6	20
2/5/14	24.1	20
7/23/14	38.3	20
1/28/15	27.2	20
7/8/15	24.3	20
1/29/16	54.7	20
7/27/16	86.3	20
1/5/17	79.4	20
7/6/17	126	20
1/4/18	205	20
7/25/18	230	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	190	20
2/20/19	NS	20
7/18/19	250	20
1/8/20	420	20
7/9/20	499	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	620	20
7/9/21	600	20
1/5/22	590	20
7/8/22	470	20
1/6/23	390	20
7/13/23	210	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 147.47179 \\
 SD &= 188.54041 \\
 N &= 39 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 9157862.9 \\
 \gamma_i &= 1.4206997
 \end{aligned}$$

Since the Coefficient of Skewness of 1.42 is greater than 1.0, the real data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. Perform the Skewness Test on the natural log of the values.

$$X_{\text{bar}} = 4.1524145$$

$$SD = 1.3559588$$

$$N = 39$$

$$1/N \sum_i (X_i - \bar{X}_{bar})^3 = 0.6477832$$

$$\gamma_1 = 0.2701542$$

Since the Coefficient of Skewness of 0.27 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the log-transformed values shown above.

Part 2: Shewhart-CUSUM Control Chart

Compute the mean and standard deviation of the historical data:

$$2.763695 = x_{mean} \text{ (Mean of N1-N8 historical data)}$$

$$0.5770207 = s \text{ (Standard Deviation of N1-N8 historical data)}$$

$$1 = k \text{ (constant, reference value)}$$

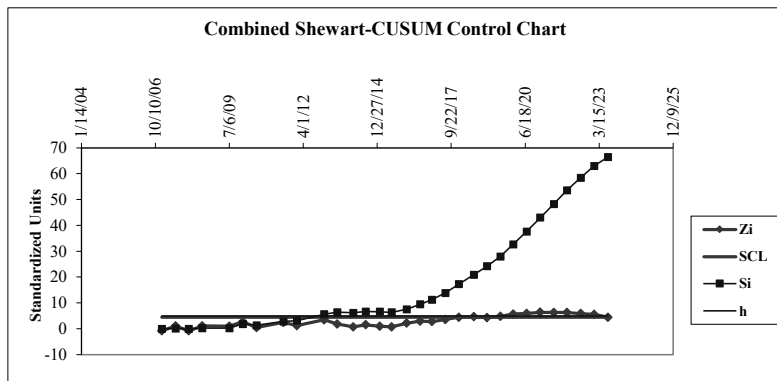
$$5 = h \text{ (constant, upper control limit for the CUSUM scheme)}$$

$$4.5 = SCL \text{ (Constant, upper Shewhart Control Limit)}$$

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
1/4/07	2.3025851	-0.79912195	0	5	4.5
7/11/07	3.4011974	1.10481707	0.10481707	5	4.5
1/3/08	2.3025851	-0.79912195	0	5	4.5
7/2/08	3.4011974	1.10481707	0.20963415	5	4.5
7/6/09	3.3322045	0.98524967	0.19488381	5	4.5
1/6/10	4.3040651	2.66952291	1.86440673	5	4.5
7/8/10	3.0445224	0.48668513	1.35109186	5	4.5
7/7/11	4.2121276	2.51019156	2.86128342	5	4.5
1/5/12	3.4965076	1.26999342	3.13127685	5	4.5
1/9/13	4.7706846	3.47819322	5.60947007	5	4.5
7/3/13	3.8199077	1.83045882	6.43992889	5	4.5
2/5/14	3.1822118	0.72530637	6.16523526	5	4.5
7/23/14	3.6454499	1.52811645	6.69335171	5	4.5
1/28/15	3.303217	0.93501311	6.62836482	5	4.5
7/8/15	3.1904764	0.7396291	6.36799392	5	4.5
1/29/16	4.0018637	2.14579583	7.51378975	5	4.5
7/27/16	4.4578296	2.93600295	9.4497927	5	4.5
1/5/17	4.3744984	2.7915866	11.2413793	5	4.5
7/6/17	4.8362819	3.59187593	13.8332552	5	4.5
1/4/18	5.32301	4.43539514	17.2686504	5	4.5
7/25/18	5.4380793	4.63481489	20.9034653	5	4.5
1/17/19	5.2470241	4.30370853	24.2071738	5	4.5
7/18/19	5.5214609	4.77931855	27.9864923	5	4.5
1/8/20	6.0402547	5.67840894	32.6649013	5	4.5
7/9/20	6.2126061	5.97710078	37.6420021	5	4.5
1/7/21	6.4297195	6.35336695	42.995369	5	4.5
7/9/21	6.3969297	6.29654088	48.2919099	5	4.5
1/5/22	6.3801225	6.26741347	53.5593234	5	4.5
7/8/22	6.1527327	5.87333778	58.4326611	5	4.5
1/6/23	5.9661467	5.54997686	62.982638	5	4.5
7/13/23	5.3471075	4.47715716	66.4597952	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h. One, or both, of the control limits was exceeded. Therefore, there is statistically significant evidence of contamination in this well at the concentrations indicated above.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
GA MCL (µg/l): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GW C-12R	MDL
7/8/04	ND	20
1/13/05	ND	20
7/22/05	ND	20
1/18/06	ND	20
7/6/06	20	20
1/4/07	ND	20
7/11/07	NS	20
1/3/08	Dry	20
7/2/08	Dry	20
1/5/09	Dry	20
7/6/09	140	20
1/6/10	83	20
7/8/10	210	20
1/7/11	146	20
7/7/11	148	20
1/5/12	104	20
7/6/12	74.4	20
1/9/13	31.9	20
7/3/13	ND	20
2/5/14	26	20
7/23/14	23.8	20
1/28/15	33.4	20
7/8/15	41	20
1/29/16	41.4	20
7/27/16	55.2	20
1/5/17	58.6	20
7/6/17	43.2	20
1/4/18	55.9	20
7/25/18	64	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	50	20
2/20/19	NS	20
7/18/19	70	20
1/8/20	70	20
7/9/20	78.2	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	95	20
7/9/21	110	20
1/5/22	110	20
7/8/22	130	20
1/6/23	110	20
7/13/23	130	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 68.942857 \\
 SD &= 49.905825 \\
 N &= 35 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 90256.726 \\
 \gamma_1 &= 0.7584196
 \end{aligned}$$

Since the Coefficient of Skewness of 0.76 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the real detected values shown above.

$$\begin{aligned}
 X_{\text{bar}} &= 3.89937 \\
 SD &= 0.9211571 \\
 N &= 35
 \end{aligned}$$

$$1/\sum_i(X_i - \bar{X}_{bar})^3 = -0.4212129$$

$$\gamma_i = 0.5628391$$

Use the real values (not log-transformed) indicated in the previous section.

Part 2: Shewhart-CUSUM Control Chart

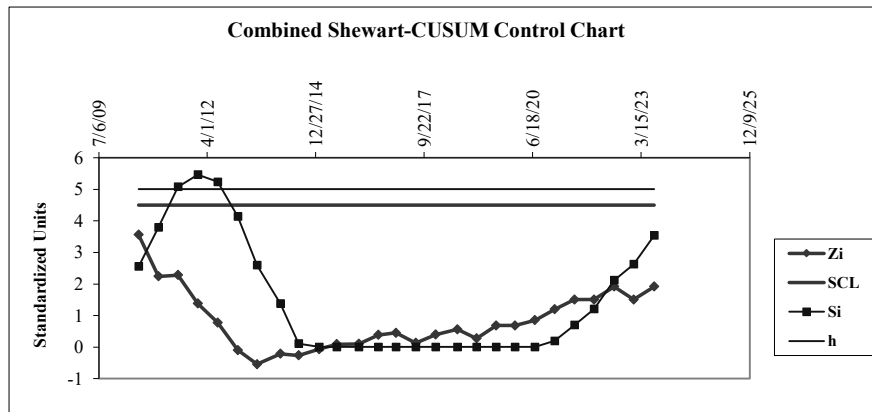
Compute the mean and standard deviation of the historical data:

- 36.625 = x_{mean} (Mean of N1-N8 historical data)
- 48.782132 = s (Standard Deviation of N1-N8 historical data)
- 1 = k (constant, reference value)
- 5 = h (constant, upper control limit for the CUSUM scheme)
- 4.5 = SCL (Constant, upper Shewhart Control Limit)

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
7/8/10	210	3.55406769	2.55406769	5	4.5
1/7/11	146	2.24211192	3.7961796	5	4.5
7/7/11	148	2.28311053	5.07929014	5	4.5
1/5/12	104	1.38114094	5.46043107	5	4.5
7/6/12	74.4	0.7743614	5.23479247	5	4.5
1/9/13	31.9	-0.09685923	4.13793324	5	4.5
7/3/13	10	-0.5457941	2.59213913	5	4.5
2/5/14	26	-0.21780516	1.37433398	5	4.5
7/23/14	23.8	-0.26290364	0.11143034	5	4.5
1/28/15	33.4	-0.06611027	0	5	4.5
7/8/15	41	0.08968448	0	5	4.5
1/29/16	41.4	0.0978842	0	5	4.5
7/27/16	55.2	0.38077466	0	5	4.5
1/5/17	58.6	0.45047231	0	5	4.5
7/6/17	43.2	0.13478296	0	5	4.5
1/4/18	55.9	0.39512418	0	5	4.5
7/25/18	64	0.56116858	0	5	4.5
1/17/19	50	0.27417826	0	5	4.5
7/18/19	70	0.68416444	0	5	4.5
1/8/20	70	0.68416444	0	5	4.5
7/9/20	78.2	0.85225877	0	5	4.5
1/7/21	95	1.19664716	0.19664716	5	4.5
7/9/21	110	1.50413679	0.70078395	5	4.5
1/5/22	110	1.50413679	1.20492075	5	4.5
7/8/22	130	1.91412297	2.11904372	5	4.5
1/6/23	110	1.50413679	2.62318051	5	4.5
7/13/23	130	1.91412297	3.53730348	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h .
 The limits were not exceeded and do not indicate statistically significant evidence of contamination at the site.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
 GA MCL (µg/l): 2000
 Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GWC-13/13R	MDL
7/8/04	70	20
1/13/05	ND	20
7/22/05	90	20
1/18/06	20	20
7/6/06	50	20
1/4/07	40	20
7/11/07	50	20
1/3/08	20	20
7/2/08	60	20
1/5/09	Dry	20
7/6/09	Dry	20
1/6/10	Dry	20
7/8/10	ND	20
1/7/11	24.6	20
7/7/11	23.3	20
1/5/12	22	20
7/6/12	22	20
1/9/13	25.5	20
7/3/13	ND	20
2/5/14	21.4	20
7/23/14	ND	20
1/28/15	28.4	20
7/8/15	28	20
1/29/16	27.1	20
7/27/16	22.5	20
1/5/17	34.3	20
7/6/17	36.9	20
1/4/18	35.5	20
7/25/18	28	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	27	20
2/20/19	NS	20
7/18/19	27	20
1/8/20	40	20
7/9/20	23.6	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	37	20
7/9/21	37	20
1/5/22	52	20
7/8/22	44	20
1/6/23	49	20
7/13/23	45	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 33.3638889 \\
 SD &= 17.2240887 \\
 N &= 36 \\
 1/N \sum (X_i - X_{\text{bar}})^3 &= 5742.72493 \\
 \gamma_1 &= 1.17235987
 \end{aligned}$$

Since the Coefficient of Skewness of 1.17 is greater than 1.0, the real data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. Perform the Skewness Test on the natural log of the values.

$$\begin{aligned}
 X_{\text{bar}} &= 3.37852841 \\
 SD &= 0.53140912 \\
 N &= 36
 \end{aligned}$$

$$1/N \sum_i (X_i - \bar{X})^3 = -0.0530438$$

$$\gamma_1 = 0.36872219$$

Since the Coefficient of Skewness of 0.37 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the log-transformed values shown above.

Part 2: Shewhart-CUSUM Control Chart

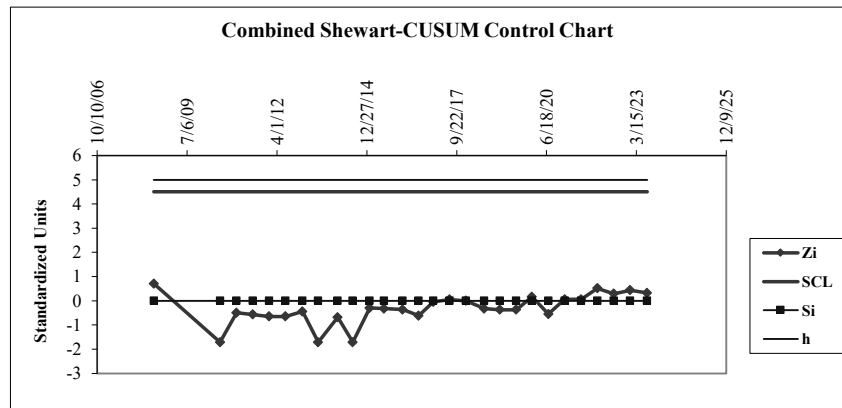
Compute the mean and standard deviation of the historical data:

- 3.56941 = x_{mean} (Mean of N1-N8 historical data)
- 0.74054982 = s (Standard Deviation of N1-N8 historical data)
- 1 = k (constant, reference value)
- 5 = h (constant, upper control limit for the CUSUM scheme)
- 4.5 = SCL (Constant, upper Shewhart Control Limit)

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
7/2/08	4.09434456	0.70884436	0	5	4.5
7/8/10	2.30258509	-1.71065454	0	5	4.5
1/7/11	3.20274644	-0.49512342	0	5	4.5
7/7/11	3.14845336	-0.56843798	0	5	4.5
1/5/12	3.09104245	-0.64596269	0	5	4.5
7/6/12	3.09104245	-0.64596269	0	5	4.5
1/9/13	3.23867845	-0.4466027	0	5	4.5
7/3/13	2.30258509	-1.71065454	0	5	4.5
2/5/14	3.06339092	-0.68330188	0	5	4.5
7/23/14	2.30258509	-1.71065454	0	5	4.5
1/28/15	3.34638915	-0.30115578	0	5	4.5
7/8/15	3.33220451	-0.32030997	0	5	4.5
1/29/16	3.29953373	-0.3644269	0	5	4.5
7/27/16	3.11351531	-0.61561651	0	5	4.5
1/5/17	3.53514535	-0.0462692	0	5	4.5
7/6/17	3.60821155	0.0523956	0	5	4.5
1/4/18	3.5695327	0.00016568	0	5	4.5
7/25/18	3.33220451	-0.32030997	0	5	4.5
1/17/19	3.29583687	-0.36941895	0	5	4.5
7/18/19	3.29583687	-0.36941895	0	5	4.5
1/8/20	3.68887945	0.16132534	0	5	4.5
7/9/20	3.16124671	-0.5511625	0	5	4.5
1/7/21	3.61091791	0.05605013	0	5	4.5
7/9/21	3.61091791	0.05605013	0	5	4.5
1/5/22	3.95124372	0.51560841	0	5	4.5
7/8/22	3.78418963	0.29002726	0	5	4.5
1/6/23	3.8918203	0.43536611	0	5	4.5
7/13/23	3.80666249	0.32037343	0	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h . The limits were not exceeded and do not indicate statistically significant evidence of contamination at the site.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
GA MCL (µg/l): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	CWC-14R		MDL
1/28/15	61.6		20
7/8/15	69.8		20
1/29/16	53.9		20
7/27/16	48.8		20
1/5/17	67.4		20
7/6/17	31.9		20
1/4/18	44.1		20
7/25/18	350		20
10/2/18	NS		20
10/8/18	NS		20
11/20/18	NS		20
1/17/19	43		20
2/20/19	NS		20
7/18/19	45		20
1/8/20	25		20
7/9/20	38.7		20
8/10/20	NS		20
9/16/20	NS		20
10/19/20	NS		20
1/7/21	27		20
7/9/21	23		20
1/5/22	ND		20
7/8/22	ND		20
1/6/23	ND		20
7/13/23	29		20

If not detected (ND), use half of the detection limit.

$$\begin{aligned} X_{\text{bar}} &= 54.9 \\ SD &= 75.9651391 \\ N &= 18 \\ 1/N \sum (X_i - X_{\text{bar}})^3 &= 1406313.93 \\ \gamma_1 &= 3.495221 \end{aligned}$$

Since the Coefficient of Skewness of 3.50 is greater than 1.0, the real data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. Perform the Skewness Test on the natural log of the values.

$$\begin{aligned} X_{\text{bar}} &= 3.5948756 \\ SD &= 0.84276397 \\ N &= 18 \\ 1/N \sum (X_i - X_{\text{bar}})^3 &= 0.31588706 \\ \gamma_1 &= 0.57497548 \end{aligned}$$

Since the Coefficient of Skewness of 0.57 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the log-transformed values shown above.

Part 2: Shewhart-CUSUM Control Chart

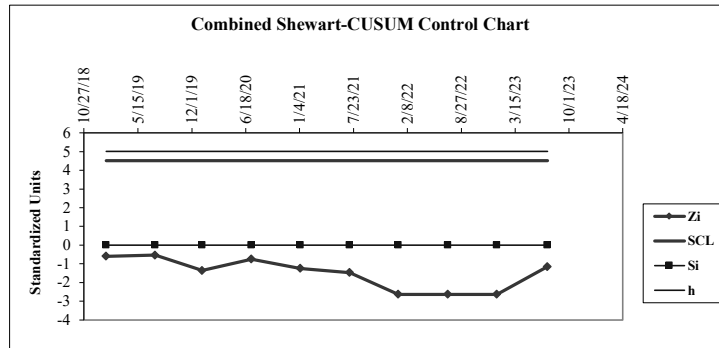
Date	GWC-14R	MDL	Data for Testing
1/28/15	61.6	20	4.12066187
7/8/15	69.8	20	4.24563401
1/29/16	53.9	20	3.98713048
7/27/16	48.8	20	3.88773031
1/5/17	67.4	20	4.21064502
7/6/17	31.9	20	3.46260601
1/4/18	44.1	20	3.78645978
7/25/18	350	20	5.85793315
10/2/18	NS	20	-
10/8/18	NS	20	-
11/20/18	NS	20	-
1/17/19	43	20	3.76120012
7/18/19	45	20	3.80666249
1/8/20	25	20	3.21887582
7/9/20	38.7	20	3.6558396
8/10/20	NS	20	-
9/16/20	NS	20	-
10/19/20	NS	20	-
1/7/21	27	20	3.29583687
7/9/21	23	20	3.13549422
1/5/22	ND	20	2.30258509
7/8/22	ND	20	2.30258509
1/6/23	ND	20	2.30258509
7/13/23	29	20	3.36729583

Compute the mean and standard deviation of the historical data:
 $4.19485008 = \bar{x}_{\text{mean}}$ (Mean of N1-N8 historical data)
 $0.71859105 = s$ (Standard Deviation of N1-N8 historical data)
 $1 = k$ (constant, reference value)
 $5 = h$ (constant, upper control limit for the CUSUM scheme)
 $4.5 = \text{SCL}$ (Constant, upper Shewhart Control Limit)

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
1/17/19	3.76120012	-0.60347254	0	5	4.5
7/18/19	3.80666249	-0.54020655	0	5	4.5
1/8/20	3.21887582	-1.35817758	0	5	4.5
7/9/20	3.6558396	-0.7500935	0	5	4.5
1/7/21	3.29583687	-1.25107766	0	5	4.5
7/9/21	3.13549422	-1.47421244	0	5	4.5
1/5/22	2.30258509	-2.63329885	0	5	4.5
7/8/22	2.30258509	-2.63329885	0	5	4.5
1/6/23	2.30258509	-2.63329885	0	5	4.5
7/13/23	3.36729583	-1.15163451	0	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h.
 The limits were not exceeded and do not indicate statistically significant evidence of contamination at the site.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
GA MCL (µg/l): 2000
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	CWC-15	MDL
7/8/04	90	20
1/13/05	40	20
7/22/05	60	20
1/18/06	60	20
7/6/06	50	20
1/4/07	70	20
7/11/07	110	20
1/3/08	100	20
7/2/08	130	20
1/5/09	53	20
7/6/09	83	20
1/6/10	35	20
7/8/10	59	20
1/7/11	49.8	20
7/7/11	57.3	20
1/5/12	53.5	20
7/6/12	61.3	20
1/9/13	72.2	20
7/3/13	48.7	20
2/5/14	65	20
7/23/14	64	20
1/28/15	59.7	20
7/8/15	65.4	20
1/29/16	72.1	20
7/27/16	76.2	20
1/5/17	65.1	20
7/6/17	77.2	20
1/4/18	77.1	20
7/25/18	84	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	82	20
2/20/19	NS	20
7/18/19	100	20
1/8/20	85	20
7/9/20	116	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	120	20
7/9/21	130	20
1/5/22	130	20
7/8/22	150	20
1/6/23	100	20
7/13/23	150	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 80.8102564 \\
 SD &= 29.8947962 \\
 N &= 39 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 20381.0474 \\
 \gamma_1 &= 0.79316077
 \end{aligned}$$

Since the Coefficient of Skewness of 0.79 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the real detected values shown above.

$$\begin{aligned}
 X_{\text{bar}} &= 4.3287157 \\
 SD &= 0.35891973 \\
 N &= 39 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 0.00641767 \\
 \gamma_1 &= 0.14431351
 \end{aligned}$$

Use the real values (not log-transformed) indicated in the previous section.

Part 2: Shewhart-CUSUM Control Chart

Compute the mean and standard deviation of the historical data:

$$72.5 = x_{\text{mean}} \text{ (Mean of N1-N8 historical data)}$$

$$24.9284691 = s \text{ (Standard Deviation of N1-N8 historical data)}$$

$$1 = k \text{ (constant, reference value)}$$

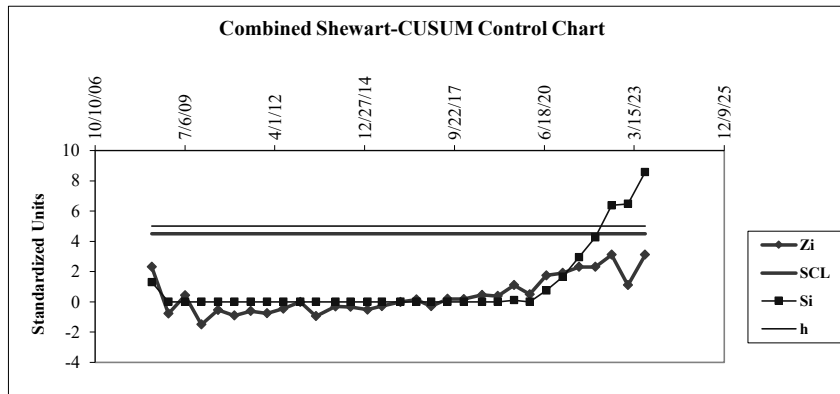
$$5 = h \text{ (constant, upper control limit for the CUSUM scheme)}$$

$$4.5 = \text{SCL (Constant, upper Shewhart Control Limit)}$$

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
7/2/08	130	2.30659973	1.30659973	5	4.5
1/5/09	53	-0.78223817	0	5	4.5
7/6/09	83	0.42120517	0	5	4.5
1/6/10	35	-1.50430417	0	5	4.5
7/8/10	59	-0.5415495	0	5	4.5
1/7/11	49.8	-0.91060546	0	5	4.5
7/7/11	57.3	-0.60974462	0	5	4.5
1/5/12	53.5	-0.76218078	0	5	4.5
7/6/12	61.3	-0.44928551	0	5	4.5
1/9/13	72.2	-0.01203443	0	5	4.5
7/3/13	48.7	-0.95473171	0	5	4.5
2/5/14	65	-0.30086083	0	5	4.5
7/23/14	64	-0.34097561	0	5	4.5
1/28/15	59.7	-0.51346916	0	5	4.5
7/8/15	65.4	-0.28481492	0	5	4.5
1/29/16	72.1	-0.01604591	0	5	4.5
7/27/16	76.2	0.14842468	0	5	4.5
1/5/17	65.1	-0.29684936	0	5	4.5
7/6/17	77.2	0.18853946	0	5	4.5
1/4/18	77.1	0.18452798	0	5	4.5
7/25/18	84	0.46131995	0	5	4.5
1/17/19	82	0.38109039	0	5	4.5
7/18/19	100	1.10315639	0.10315639	5	4.5
1/8/20	85	0.50143472	0	5	4.5
7/9/20	116	1.74499284	0.74499284	5	4.5
1/7/21	120	1.90545195	1.65044478	5	4.5
7/9/21	130	2.30659973	2.95704451	5	4.5
1/5/22	130	2.30659973	4.26364424	5	4.5
7/8/22	150	3.10889528	6.37253952	5	4.5
1/6/23	100	1.10315639	6.47569591	5	4.5
7/13/23	150	3.10889528	8.5845912	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h. One, or both, of the control limits was exceeded. Therefore, there is statistically significant evidence of contamination in this well at the concentrations indicated above.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
 GA MCL (µg/l): 2000
 Method: Shewhart-CUSUM Control Chart

Part I: Check for Normality

	GWC-16	MDL
7/8/04	NP	20
1/13/05	NP	20
7/22/05	NP	20
1/18/06	NP	20
7/6/06	NP	20
1/4/07	NP	20
7/11/07	NP	20
1/3/08	NP	20
7/2/08	NP	20
1/5/09	NP	20
7/6/09	NP	20
1/6/10	NP	20
7/8/10	ND	20
1/7/11	20.8	20
7/7/11	20.2	20
1/5/12	61.6	20
7/6/12	25.4	20
1/9/13	86.6	20
7/3/13	23.7	20
2/5/14	48.8	20
7/23/14	21.8	20
1/28/15	28.2	20
7/8/15	22.8	20
1/29/16	24.1	20
7/27/16	28.1	20
1/5/17	29.5	20
7/6/17	48	20
1/4/18	63.3	20
7/25/18	80	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	68	20
2/20/19	NS	20
7/18/19	110	20
1/8/20	130	20
7/9/20	ND	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	120	20
7/9/21	130	20
1/5/22	140	20
7/8/22	140	20
1/6/23	130	20
7/13/23	160	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 \bar{X}_{\text{bar}} &= 65.9592593 \\
 SD &= 48.7624245 \\
 N &= 27 \\
 1/N \sum_i (X_i - \bar{X}_{\text{bar}})^3 &= 59195.078 \\
 \gamma_1 &= 0.54027559
 \end{aligned}$$

Since the Coefficient of Skewness of 0.54 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the real detected values shown above.

$$\begin{aligned}
 X_{\text{bar}} &= 3.87539781 \\
 \text{SD} &= 0.85139576 \\
 N &= 27 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= -0.0935911 \\
 \gamma_1 &= 0.16048184
 \end{aligned}$$

Use the real values (not log-transformed) indicated in the previous section.

Part 2: Shewhart-CUSUM Control Chart

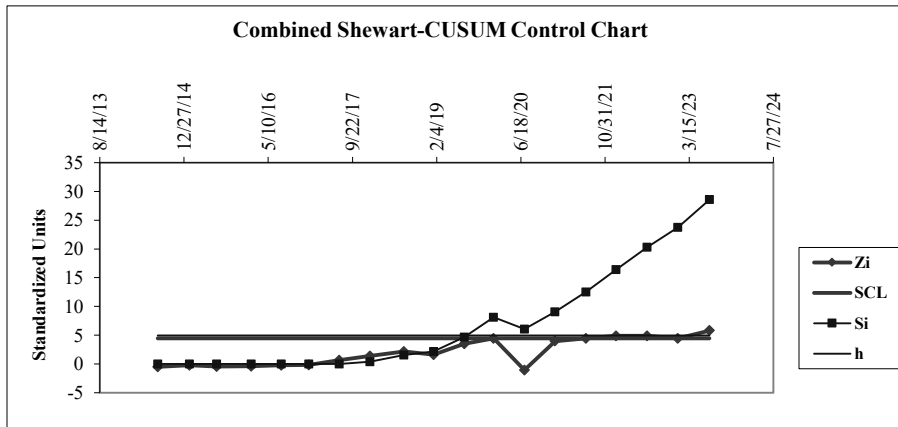
Compute the mean and standard deviation of the historical data:

$$\begin{aligned}
 32.8333333 &= x_{\text{mean}} \text{ (Mean of N1-N8 historical data)} \\
 21.8629755 &= s \text{ (Standard Deviation of N1-N8 historical data)} \\
 1 &= k \text{ (constant, reference value)} \\
 5 &= h \text{ (constant, upper control limit for the CUSUM scheme)} \\
 4.5 &= \text{SCL (Constant, upper Shewhart Control Limit)}
 \end{aligned}$$

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
7/23/14	21.8	-0.50465836	0	5	4.5
1/28/15	28.2	-0.21192602	0	5	4.5
7/8/15	22.8	-0.45891893	0	5	4.5
1/29/16	24.1	-0.39945767	0	5	4.5
7/27/16	28.1	-0.21649996	0	5	4.5
1/5/17	29.5	-0.15246476	0	5	4.5
7/6/17	48	0.69371466	0	5	4.5
1/4/18	63.3	1.39352792	0.39352792	5	4.5
7/25/18	80	2.15737637	1.55090429	5	4.5
1/17/19	68	1.60850323	2.15940751	5	4.5
7/18/19	110	3.52955922	4.68896673	5	4.5
1/8/20	130	4.44434779	8.13331452	5	4.5
7/9/20	10	-1.04438361	6.08893091	5	4.5
1/7/21	120	3.9869535	9.07588441	5	4.5
7/9/21	130	4.44434779	12.5202322	5	4.5
1/5/22	140	4.90174207	16.4219743	5	4.5
7/8/22	140	4.90174207	20.3237163	5	4.5
1/6/23	130	4.44434779	23.7680641	5	4.5
7/13/23	160	5.81653063	28.5845947	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h. One, or both, of the control limits was exceeded. Therefore, there is statistically significant evidence of contamination in this well at the concentrations indicated above.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Barium
 GA MCL (µg/l): 2000
 Method: Shewhart-CUSUM Control Chart

Part I: Check for Normality

	GWC-17	MDL
7/8/04	NP	20
1/13/05	NP	20
7/22/05	NP	20
1/18/06	NP	20
7/6/06	NP	20
1/4/07	NP	20
7/11/07	NP	20
1/3/08	NP	20
7/2/08	NP	20
1/5/09	NP	20
7/6/09	NP	20
1/6/10	NP	20
7/8/10	ND	20
1/7/11	ND	20
7/7/11	ND	20
1/5/12	36.1	20
7/6/12	ND	20
1/9/13	22.7	20
7/3/13	38	20
2/5/14	29.5	20
7/23/14	20.2	20
1/28/15	42.8	20
7/8/15	28.6	20
1/29/16	30.3	20
7/27/16	30.8	20
1/5/17	27.5	20
7/6/17	29.7	20
1/4/18	30.9	20
7/25/18	28	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	36	20
2/20/19	NS	20
7/18/19	32	20
1/8/20	36	20
7/9/20	28.2	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	34	20
7/9/21	30	20
1/5/22	46	20
7/8/22	77	20
1/6/23	34	20
7/13/23	54	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 31.1962963 \\
 SD &= 14.0631401 \\
 N &= 27 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 2714.27026 \\
 \gamma_1 &= 1.03274192
 \end{aligned}$$

Since the Coefficient of Skewness of 1.03 is greater than 1.0, the real data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. Perform the Skewness Test on the natural log of the values.

$$\begin{aligned}
 X_{\text{bar}} &= 3.33151864 \\
 \text{SD} &= 0.50712147 \\
 N &= 27 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= -0.1030537 \\
 \gamma_1 &= 0.83620557
 \end{aligned}$$

Since the Coefficient of Skewness of 0.84 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the log-transformed values shown above.

Part 2: Shewhart-CUSUM Control Chart

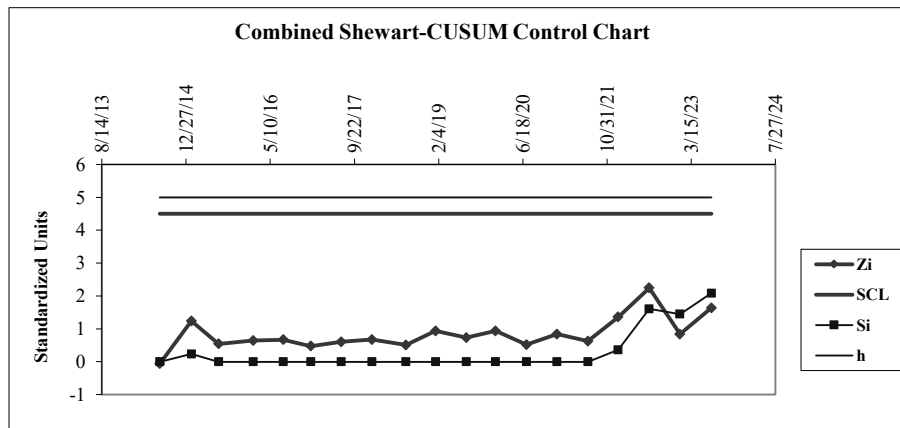
Compute the mean and standard deviation of the historical data:

$$\begin{aligned}
 3.03897914 &= x_{\text{mean}} \text{ (Mean of N1-N8 historical data)} \\
 0.5804875 &= s \text{ (Standard Deviation of N1-N8 historical data)} \\
 1 &= k \text{ (constant, reference value)} \\
 5 &= h \text{ (constant, upper control limit for the CUSUM scheme)} \\
 4.5 &= \text{SCL (Constant, upper Shewhart Control Limit)}
 \end{aligned}$$

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
7/23/14	3.0056826	-0.05735961	0	5	4.5
1/28/15	3.7565381	1.23613162	0.23613162	5	4.5
7/8/15	3.35340672	0.54166123	0	5	4.5
1/29/16	3.41114771	0.64113106	0	5	4.5
7/27/16	3.42751469	0.66932629	0	5	4.5
1/5/17	3.314186	0.4740961	0	5	4.5
7/6/17	3.39114705	0.60667611	0	5	4.5
1/4/18	3.43075618	0.67491038	0	5	4.5
7/25/18	3.33220451	0.5051364	0	5	4.5
1/17/19	3.58351894	0.93807324	0	5	4.5
7/18/19	3.4657359	0.73516959	0	5	4.5
1/8/20	3.58351894	0.93807324	0	5	4.5
7/9/20	3.33932198	0.51739759	0	5	4.5
1/7/21	3.52636052	0.83960702	0	5	4.5
7/9/21	3.40119738	0.62398973	0	5	4.5
1/5/22	3.8286414	1.36034324	0.36034324	5	4.5
7/8/22	4.34380542	2.24781114	1.60815439	5	4.5
1/6/23	3.52636052	0.83960702	1.44776141	5	4.5
7/13/23	3.98898405	1.63656392	2.08432532	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h. The limits were not exceeded and do not indicate statistically significant evidence of contamination at the site.

Eagle Point MSW Landfill
 Forsyth County, Georgia
 B.L.E. Project Number 123-1472-181

Compound: Total Chromium
 GA MCL (µg/l): 100
 Method: Non-Parametric Prediction Limits
 Background: GWA-1, GWA-2

Date	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10/10D	GWC-11	GWC-12/12R	GWC-13/13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	MDL
03/02/02	ND	10	30	10	ND	20	ND	ND	ND	60	70	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
04/15/02	ND	ND	30	10	ND	30	ND	ND	ND	40	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
05/28/02	ND	10	10	10	ND	30	ND	ND	ND	30	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/08/02	ND	ND	30	20	ND	20	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
02/28/03	10	30	20	50	ND	20	ND	ND	ND	20	ND	10	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/23/03	ND	10	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/06/04	ND	20	ND	ND	ND	20	10	ND	ND	10	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/08/04	ND	10	10	10	ND	20	10	10	ND	20	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/13/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/22/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/18/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/06/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/11/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/03/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	Dry	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/02/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/05/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/06/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/06/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/08/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/05/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/06/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/09/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	10.7	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/03/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
02/05/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/23/14	ND	ND	10.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/28/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/08/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/29/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/27/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/05/17	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/06/17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/04/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/25/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
10/02/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
10/08/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
11/20/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
01/17/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
02/20/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
07/18/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/08/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/09/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
08/10/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
09/16/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
10/19/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND
01/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/05/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/08/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
01/06/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND
07/13/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	ND

- 1) If not detected (ND), use half of the detection limit.
- 2) Set the total number of data values for background well(s) equal to the number of background samples tested $n' = 46$.
- 3) Set the Prediction Limit equal to the maximum concentration from the background well(s) $PL = 30$.
- 4) Set the number of future comparisons equal to the number of background well plus 1 (each compliance well compared individually) $n' = 2$.

$n = 92$
 $PL = 30$
 $m = 3$
 false positive rate $(\alpha) = 0.03$

C =	% GWC-1	% GWC-2	% GWC-3	% GWC-4	% GWC-5	% GWC-6	% GWC-7
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Eagle Point MSW Landfill
Forsyth County, Georgia
B.L.E. Project Number 1472-181

Compound: Total Cobalt
GA MCL (µg/l): Not Established
Method: Non-Parametric Prediction Limits
Background: GWA-1, GWA-2

Date	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10/10D	GWC-11	GWC-12/12R	GWC-13/13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	MDL				
03/02/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
04/15/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
05/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/08/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
08/28/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/23/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/06/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/08/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/13/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/22/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/18/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/06/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/11/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/03/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/02/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/05/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/06/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/06/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/08/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/05/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/06/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/09/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/03/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
02/05/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/23/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/28/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/08/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	171	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/29/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	186	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/27/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/05/17	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	87.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/06/17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
01/04/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	208	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
07/25/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/02/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/08/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
11/20/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
01/17/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	290	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
07/18/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/10/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
09/16/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/19/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
01/07/21	ND	ND	ND	ND	ND	ND	9.6	ND	ND	ND	24	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/21	ND	ND	ND	ND	ND	ND	9	ND	ND	ND	30	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/05/22	ND	ND	ND	ND	ND	ND	9.5	ND	ND	ND	27	94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/22	ND	ND	ND	ND	ND	ND	6.9	ND	ND																												

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Cobalt
MCL (µg/l): Not Established
Method: Wilcoxon Rank Sum (intrawell)

	GWC-9 (BG)	GWC-9	MDL
02/28/03	ND		40
07/23/03	ND		40
01/06/04	ND		40
07/08/04	ND		40
01/13/05	ND		40
07/22/05	ND		40
01/18/06	ND		40
07/06/06	ND		40
01/04/07	ND		40
07/11/07	ND		40
01/03/08	ND		40
07/02/08	ND		40
01/05/09	ND		40
07/06/09	ND		40
01/06/10	ND		40
07/08/10	ND		40
01/07/11		ND	40
07/07/11		ND	40
01/05/12		ND	40
07/06/12		ND	40
01/09/13		ND	40
07/03/13		ND	40
02/05/14		ND	40
07/23/14		ND	40
01/28/15		ND	40
07/08/15		ND	40
01/29/16		ND	40
07/27/16		ND	40
01/05/17		ND	40
07/06/17		ND	40
01/04/18		ND	40
07/25/18		ND	40
10/02/18		NS	40
10/08/18		NS	40
11/20/18		NS	40
01/17/19		ND	40
02/20/19		NS	40
07/18/19		ND	40
01/08/20		ND	40
07/09/20		ND	40
08/10/20		NS	40
09/16/20		NS	40
10/19/20		NS	40
01/07/21		24	6
07/09/21		30	6

01/05/22	27	6
07/08/22	29	6
01/06/23	29	6
07/13/23	34	6

1) Rank the N = 42 observations from the smallest to the largest from background wells and compliance well GWC-9.

$$\begin{aligned}
 n &= 26 \\
 m &= 16 \\
 N &= 42 \\
 C_i(\text{GWC-9}) &= 607.0
 \end{aligned}$$

2) Compute the Wilcoxon statistic by adding up the compliance well ranks and subtracting $n(n+1)/2$.

$$W = C_i - 1/2(n(n+1))$$

$$W = 256$$

3) Compute the expected value and standard deviation of W.

$$\begin{aligned}
 E(W) &= 1/2mn \\
 SD(W) &= ((mn(N+1)/12) * (1 - \sum_{i=1}^g (t_i^3 - t_i)/(N^3 - N)))^{0.5}
 \end{aligned}$$

$$E(W) = 208$$

Adjustment for tie values:

$$SD(W) = 23.495$$

4) Form the appropriate Z-score.

$$Z = (W - E(W) - 0.5)/SD(W)$$

$$Z = 2.022$$

5) Compare the observed Z-score to the upper 0.01 percentile of the normal distribution.

$$Z = 2.022$$

$$Z_{0.01} = 2.326$$

Since Z is smaller, there is not significant evidence of contamination at the compliance well at the 1 percent significance level.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Cobalt
MCL (µg/l): Not Established
Method: Wilcoxon Rank Sum (intrawell)

	GWC-9 (BG)	GWC-9	MDL
02/28/03	ND		40
07/23/03	ND		40
01/06/04	ND		40
07/08/04	ND		40
01/13/05	ND		40
07/22/05	ND		40
01/18/06	ND		40
07/06/06	ND		40
01/04/07	ND		40
07/11/07	ND		40
01/03/08	Dry		40
07/02/08	ND		40
01/05/09	ND		40
07/06/09	ND		40
01/06/10	ND		40
07/08/10	ND		40
01/07/11	ND		40
07/07/11		ND	40
01/05/12		Dry	40
07/06/12		Dry	40
01/09/13		Dry	40
07/03/13		ND	40
02/05/14		120	40
07/23/14		125	40
01/28/15		74.8	40
07/08/15		171	40
01/29/16		186	40
07/27/16		155	40
01/05/17		87.3	40
07/06/17		113	40
01/04/18		208	40
07/25/18		250	40
10/02/18		NS	40
10/08/18		NS	40
11/20/18		NS	40
01/17/19		290	40
02/20/19		NS	40
07/18/19		170	40
01/08/20		140	40
07/09/20		118	40
08/10/20		NS	40
09/16/20		NS	40
10/19/20		NS	40
01/07/21		150	6
07/09/21		110	6

01/05/22	94	6
07/08/22	51	6
01/06/23	50	6
07/13/23	50	6

1) Rank the N = 38 observations from the smallest to the largest from background wells and compliance well GWC-9.

$$\begin{aligned}
 n &= 22 \\
 m &= 16 \\
 N &= 38 \\
 C_i(\text{GWC-9}) &= 589.0
 \end{aligned}$$

2) Compute the Wilcoxon statistic by adding up the compliance well ranks and subtracting $n(n+1)/2$.

$$W = C_i - 1/2(n(n+1))$$

$$W = 336$$

3) Compute the expected value and standard deviation of W.

$$\begin{aligned}
 E(W) &= 1/2mn \\
 SD(W) &= ((mn(N+1)/12) * (1 - \sum_{i=1}^g (t_i^3 - t_i)/(N^3 - N)))^{0.5}
 \end{aligned}$$

$$E(W) = 176$$

Adjustment for tie values:

$$SD(W) = 31.978$$

4) Form the appropriate Z-score.

$$Z = (W - E(W) - 0.5)/SD(W)$$

$$Z = 4.988$$

5) Compare the observed Z-score to the upper 0.01 percentile of the normal distribution.

$$Z = 4.988$$

$$Z_{0.01} = 2.326$$

Since Z is greater, there is significant evidence of contamination at the compliance well at the 1 percent significance level.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Cobalt
MCL (µg/l): Not Established
Method: Wilcoxon Rank Sum (intrawell)

	GWC-11 (BG)	CWC-11	MDL
02/28/03	ND		40
07/23/03	ND		40
01/06/04	ND		40
07/08/04	ND		40
01/13/05	ND		40
07/22/05	ND		40
01/18/06	ND		40
07/06/06	ND		40
01/04/07	ND		40
07/11/07	ND		40
01/03/08	ND		40
07/02/08	ND		40
01/05/09	Dry		40
07/06/09	ND		40
01/06/10	ND		40
07/08/10	ND		40
01/07/11	Dry		40
07/07/11	ND		40
01/05/12		ND	40
07/06/12		Dry	40
01/09/13		ND	40
07/03/13		ND	40
02/05/14		ND	40
07/23/14		ND	40
01/28/15		ND	40
07/08/15		ND	40
01/29/16		ND	40
07/27/16		ND	40
01/05/17		ND	40
07/06/17		ND	40
01/04/18		ND	40
07/25/18		ND	40
10/02/18		NS	40
10/08/18		NS	40
11/20/18		NS	40
01/17/19		44	40
02/20/19		NS	40
07/18/19		57	40
01/08/20		74	40
07/09/20		114	40
08/10/20		NS	40
09/16/20		NS	40
10/19/20		NS	40
01/07/21		150	6
07/09/21		140	6

Cobalt (IntraWil C-11)

01/05/22	110	6
07/08/22	82	6
01/06/23	64	6
07/13/23	56	6

1) Rank the N = 39 observations from the smallest to the largest from background wells and compliance well CWC-11.

$$\begin{aligned}
 n &= 23 \\
 m &= 16 \\
 N &= 39 \\
 C_i (\text{CWC-11}) &= 540.0
 \end{aligned}$$

2) Compute the Wilcoxon statistic by adding up the compliance well ranks and subtracting $n(n+1)/2$.

$$W = C_i - 1/2(n(n+1))$$

$$W = 264$$

3) Compute the expected value and standard deviation of W.

$$E(W) = 1/2mn$$

$$SD(W) = ((mn(N+1)/12) * (1 - \sum_{i=1}^g (t_i^3 - t_i) / (N^3 - N)))^{0.5}$$

$$E(W) = 184$$

Adjustment for tie values:

$$SD(W) = 26.881$$

4) Form the appropriate Z-score.

$$Z = (W - E(W) - 0.5) / SD(W)$$

$$Z = 2.957$$

5) Compare the observed Z-score to the upper 0.01 percentile of the normal distribution.

$$Z = 2.957$$

$$Z_{0.01} = 2.326$$

Since Z is greater, there is significant evidence of contamination at the compliance well at the 1 percent significance level.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: **Total Cobalt**
MCL (µg/l): Not Established
Method: Wilcoxon Rank Sum (intrawell)

	GWC-12R (BG)	CWC-12R	MDL
02/28/03	NP		40
07/23/03	NP		40
01/06/04	NP		40
07/08/04	ND		40
01/13/05	ND		40
07/22/05	ND		40
01/18/06	ND		40
07/06/06	ND		40
01/04/07	ND		40
07/11/07	NS		40
01/03/08	Dry		40
07/02/08	Dry		40
01/05/09	Dry		40
07/06/09	ND		40
01/06/10	ND		40
07/08/10	ND		40
01/07/11	ND		40
07/07/11	ND		40
01/05/12	ND		40
07/06/12	ND		40
01/09/13	ND		40
07/03/13		ND	40
02/05/14		ND	40
07/23/14		ND	40
01/28/15		ND	40
07/08/15		ND	40
01/29/16		51	40
07/27/16		75.1	40
01/05/17		60.4	40
07/06/17		ND	40
01/04/18		48.6	40
07/25/18		67	40
10/02/18		NS	40
10/08/18		NS	40
11/20/18		NS	40
01/17/19		47	40
02/20/19		NS	40
07/18/19		73	40
01/08/20		69	40
07/09/20		86.9	40
08/10/20		NS	40
09/16/20		NS	40
10/19/20		NS	40
01/07/21		99	6

07/09/21	120	6
01/05/22	110	6
07/08/22	120	6
01/06/23	97	6
07/13/23	120	6

1) Rank the N = 35 observations from the smallest to the largest from background wells and compliance well CWC-12R.

$$\begin{aligned}
 n &= 21 \\
 m &= 14 \\
 N &= 35 \\
 C_i \text{ (CWC-12R)} &= 483.0
 \end{aligned}$$

2) Compute the Wilcoxon statistic by adding up the compliance well ranks and subtracting $n(n+1)/2$.

$$W = C_i - 1/2(n(n+1))$$

$$W = 252$$

3) Compute the expected value and standard deviation of W.

$$E(W) = 1/2mn$$

$$SD(W) = ((mn(N+1)/12) * (1 - \sum_{i=1}^g (t_i^3 - t_i) / (N^3 - N)))^{0.5}$$

$$E(W) = 147$$

Adjustment for tie values:

$$SD(W) = 26.781$$

4) Form the appropriate Z-score.

$$Z = (W - E(W) - 0.5) / SD(W)$$

$$Z = 3.902$$

5) Compare the observed Z-score to the upper 0.01 percentile of the normal distribution.

$$Z = 3.902$$

$$Z_{0.01} = 2.326$$

Since Z is greater, there is significant evidence of contamination at the compliance well at the 1 percent significance level.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Nickel
MCL (µg/l): 100
Method: Wilcoxon Rank Sum (intrawell)

	GWC-11 (BG)	CWC-12R	MDL
07/08/04	ND		10
01/13/05	ND		10
07/22/05	ND		10
01/18/06	ND		10
07/06/06	ND		10
01/04/07	ND		10
07/11/07	NS		10
01/03/08	Dry		10
07/02/08	Dry		10
01/05/09	Dry		10
07/06/09	ND		10
01/06/10	ND		10
07/08/10	ND		10
01/07/11	ND		10
07/07/11	ND		10
01/05/12	ND		10
07/06/12	ND		10
01/09/13	ND		10
07/03/13		ND	10
02/05/14		ND	10
07/23/14		ND	10
01/28/15		ND	10
07/08/15		ND	10
01/29/16		ND	10
07/27/16		21.4	10
01/05/17		ND	10
07/06/17		ND	10
01/04/18		ND	10
07/25/18		ND	10
10/02/18		NS	10
10/08/18		NS	10
11/20/18		NS	10
01/17/19		ND	10
02/20/19		NS	10
07/18/19		ND	10
01/08/20		ND	10
07/09/20		ND	10
08/10/20		NS	10
09/16/20		NS	10
10/19/20		NS	10
01/07/21		20	10
07/09/21		26	10
01/05/22		24	10
07/08/22		29	10
01/06/23		24	10

Nickel (IntraWil C-12R)

1) Rank the $N = 35$ observations from the smallest to the largest from background wells and compliance well CWC-12R.

$$\begin{aligned} n &= 21 \\ m &= 14 \\ N &= 35 \\ C_i \text{ (CWC-12R)} &= 427.0 \end{aligned}$$

2) Compute the Wilcoxon statistic by adding up the compliance well ranks and subtracting $n/(n+1)/2$.

$$W = C_i - 1/2(n(n+1))$$

$$W = 196$$

3) Compute the expected value and standard deviation of W .

$$E(W) = 1/2mn$$

$$SD(W) = ((mn(N+1)/12) * (1 - \sum_{i=1}^g (t_i^3 - t_i)/(N^3 - N)))^{0.5}$$

$$E(W) = 147$$

Adjustment for tie values:

$$SD(W) = 20.748$$

4) Form the appropriate Z -score.

$$Z = (W - E(W) - 0.5)/SD(W)$$

$$Z = 2.338$$

5) Compare the observed Z -score to the upper 0.01 percentile of the normal distribution.

$$Z = 2.338$$

$$Z_{0.01} = 2.326$$

Since Z is greater, there is significant evidence of contamination at the compliance well at the 1 percent significance level.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Selenium
MCL (µg/l): 50
Method: Wilcoxon Rank Sum (intrawell)

	GWC-11 (BG)	CWC-11	MDL
02/28/03	ND		10
07/23/03	ND		10
01/06/04	ND		10
07/08/04	ND		10
01/13/05	ND		10
07/22/05	ND		10
01/18/06	ND		10
07/06/06	ND		10
01/04/07	ND		10
07/11/07	ND		10
01/03/08	ND		10
07/02/08	ND		10
01/05/09	Dry		10
07/06/09	ND		10
01/06/10	ND		10
07/08/10	ND		10
01/07/11	Dry		10
07/07/11	ND		10
01/05/12		ND	10
07/06/12		Dry	10
01/09/13		ND	10
07/03/13		ND	10
02/05/14		ND	10
07/23/14		ND	10
01/28/15		ND	10
07/08/15		ND	10
01/29/16		ND	10
07/27/16		ND	10
01/05/17		ND	10
07/06/17		ND	10
01/04/18		11	10
07/25/18		17	10
10/02/18		NS	10
10/08/18		NS	10
11/20/18		NS	10
01/17/19		15	10
02/20/19		NS	10
07/18/19		23	10
01/08/20		17	10
07/09/20		11.4	10
08/10/20		NS	10
09/16/20		NS	10
10/19/20		NS	10
01/07/21		24	10
07/09/21		23	10

Selenium (IntraWil C-11)

01/05/22	17	10
07/08/22	34	10
01/06/23	ND	10
07/13/23	12	10

1) Rank the N = 39 observations from the smallest to the largest from background wells and compliance well CWC-11.

$$\begin{aligned}
 n &= 23 \\
 m &= 16 \\
 N &= 39 \\
 C_i (\text{CWC-11}) &= 548.0
 \end{aligned}$$

2) Compute the Wilcoxon statistic by adding up the compliance well ranks and subtracting $n(n+1)/2$.

$$W = C_i - 1/2(n(n+1))$$

$$W = 272$$

3) Compute the expected value and standard deviation of W.

$$E(W) = 1/2mn$$

$$SD(W) = ((mn(N+1)/12) * (1 - \sum_{i=1}^g (t_i^3 - t_i)/(N^3 - N)))^{0.5}$$

$$E(W) = 184$$

Adjustment for tie values:

$$SD(W) = 27.792$$

4) Form the appropriate Z-score.

$$Z = (W - E(W) - 0.5)/SD(W)$$

$$Z = 3.148$$

5) Compare the observed Z-score to the upper 0.01 percentile of the normal distribution.

$$Z = 3.148$$

$$Z_{0.01} = 2.326$$

Since Z is greater, there is significant evidence of contamination at the compliance well at the 1 percent significance level.

Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181

Compound: Total Zinc
 GA MCL (µg/l): Not Established
 Method: Kruskal-Wallis
 Background: GWA-1, GWA-2

	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10/10B	GWC-11	GWC-12/12R	GWC-13/13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	MDL		
03/02/02	40	40	120	70	60	80	50	30	200	260	100	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20		
04/15/02	80	80	70	50	110	30	40	40	160	50	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20		
05/28/02	40	50	80	70	50	100	40	30	40	110	40	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20		
07/08/02	ND	ND	70	50	40	50	30	20	20	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20		
02/28/03	150	70	90	150	110	90	50	120	80	190	70	110	80	180	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20		
07/23/03	50	60	70	60	40	50	40	30	70	40	60	40	50	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20		
01/06/04	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
07/08/04	ND	ND	ND	20	ND	ND	ND	ND	20	30	ND	30	40	20	30	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
01/13/05	ND	ND	50	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
07/22/05	ND	ND	ND	ND	ND	40	40	ND	ND	ND	50	30	100	30	ND	50	NP	20	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
01/18/06	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
07/06/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
07/11/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
01/03/08	ND	ND	ND	ND	ND	320	ND	ND	ND	ND	20	Dry	ND	ND	Dry	ND	NP	30	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
07/02/08	ND	ND	30	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	Dry	ND	Dry	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
01/05/09	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
07/06/09	21	ND	ND	ND	41	32	ND	ND	ND	37	ND	28	ND	ND	26	Dry	NP	160	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
01/06/10	28	ND	ND	ND	22	42	ND	25	ND	ND	ND	ND	ND	ND	28	Dry	NP	25	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
07/08/10	ND	ND	ND	ND	27	20	ND	ND	ND	66	38	ND	47	40	ND	NP	ND	ND	120	ND	27	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
01/07/11	ND	ND	ND	ND	22.6	ND	ND	ND	ND	26.2	Dry	Dry	27.4	ND	NP	ND	ND	ND	ND	ND	Dry	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
07/07/11	ND	ND	ND	ND	23.3	ND	ND	ND	ND	42.4	Dry	44	24.3	ND	NP	ND	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
01/05/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	23.5	ND	NP	ND	27.8	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
07/06/12	ND	ND	ND	ND	21.5	ND	ND	ND	ND	Dry	ND	Dry	ND	ND	NP	ND	24.4	ND	Dry	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
01/09/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	8.1	ND	NP	ND	42.2	ND	Dry	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
07/03/13	ND	ND	ND	ND	ND	ND	38.1	ND	ND	21.7	ND	34.5	ND	ND	NP	ND	ND	ND	25.4	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20	
02/05/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.1	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
07/23/14	ND	ND	31	ND	ND	ND	ND	ND	ND	27.4	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
01/28/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.2	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
07/08/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	91.1	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
01/29/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	121	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
07/27/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	173	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
01/05/17	ND	ND	ND	Dry	ND	ND	ND	ND	ND	186	ND	ND	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
07/06/17	ND	ND	ND	ND	20.2	ND	ND	ND	ND	20.8	13.0	ND	29	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
01/04/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	155	ND	41.6	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
07/25/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	216	ND	46	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
10/02/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
10/08/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
11/20/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
01/17/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	ND	46	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
02/20/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
07/18/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	59	ND	ND	NP	ND	ND	23	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
01/08/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	130	ND	82	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
07/09/20	ND	ND	ND	22.4	ND	ND	ND	ND	ND	106	ND	86.6	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
08/10/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
09/16/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
10/19/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
01/07/21	ND	ND	ND	250	ND	ND	ND	ND	ND	130	ND	110	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	97	ND	100	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
01/05/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	68	ND	97	ND	ND	NP	ND	ND	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
07/08/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	74	20	ND	NP	ND	20	ND	ND	ND	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	20
01/06/23	ND	ND	ND	ND	20	ND	ND	ND	ND	30	ND	58	ND	ND	NP																				

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Zinc
GA MCL (µg/l): Not Established
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GWC-9	MDL
2/28/03	110	20
7/23/03	60	20
1/6/04	ND	20
7/8/04	ND	20
1/13/05	ND	20
7/22/05	30	20
1/18/06	ND	20
7/6/06	ND	20
1/4/07	ND	20
7/11/07	ND	20
1/3/08	Dry	20
7/2/08	20	20
1/5/09	ND	20
7/6/09	28	20
1/6/10	ND	20
7/8/10	38	20
1/7/11	26.2	20
7/7/11	42.4	20
1/5/12	Dry	20
7/6/12	Dry	20
1/9/13	Dry	20
7/3/13	21.7	20
2/5/14	23.1	20
7/23/14	27.4	20
1/28/15	62	20
7/8/15	91.1	20
1/29/16	121	20
7/27/16	173	20
1/5/17	186	20
7/6/17	136	20
1/4/18	155	20
7/25/18	220	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	200	20
2/20/19	NS	20
7/18/19	140	20
1/8/20	130	20
7/9/20	106	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	130	20
7/9/21	97	20
1/5/22	68	20
7/8/22	36	20
1/6/23	30	20
7/13/23	24	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 68.9973684 \\
 SD &= 63.0603464 \\
 N &= 38 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 204658.261 \\
 \gamma_1 &= 0.84944063
 \end{aligned}$$

Since the Coefficient of Skewness of 0.85 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the real detected values shown above.

$$\begin{aligned}
 X_{\text{bar}} &= 3.74169716 \\
 SD &= 1.06822604 \\
 N &= 38 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= -0.0377714
 \end{aligned}$$

$$\gamma_i = 0.03225128$$

Use the real values (not log-transformed) indicated in the previous section.

Part 2: Shewhart-CUSUM Control Chart

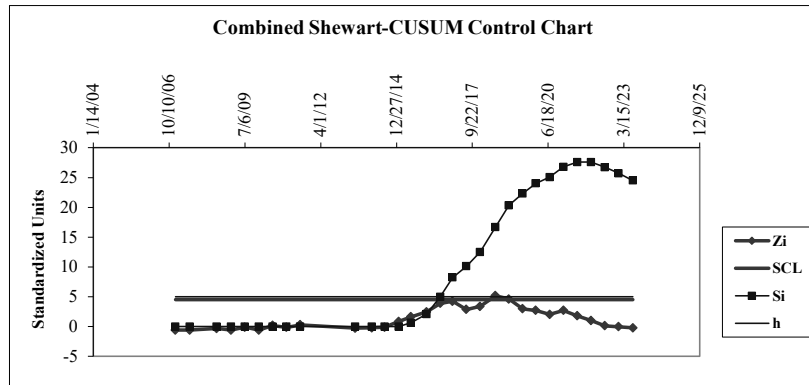
Compute the mean and standard deviation of the historical data:

- 31.25 = x_{mean} (Mean of N1-N8 historical data)
- 36.4250699 = s (Standard Deviation of N1-N8 historical data)
- 1 = k (constant, reference value)
- 5 = h (constant, upper control limit for the CUSUM scheme)
- 4.5 = SCL (Constant, upper Shewhart Control Limit)

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
1/4/07	10	-0.58338941	0	5	4.5
7/11/07	10	-0.58338941	0	5	4.5
7/2/08	20	-0.30885322	0	5	4.5
1/5/09	10	-0.58338941	0	5	4.5
7/6/09	28	-0.08922426	0	5	4.5
1/6/10	10	-0.58338941	0	5	4.5
7/8/10	38	0.18531193	0	5	4.5
1/7/11	26.2	-0.13864078	0	5	4.5
7/7/11	42.4	0.30610785	0	5	4.5
7/3/13	21.7	-0.26218206	0	5	4.5
2/5/14	23.1	-0.223747	0	5	4.5
7/23/14	27.4	-0.10569643	0	5	4.5
1/28/15	62	0.84419879	0	5	4.5
7/8/15	91.1	1.64309911	0.64309911	5	4.5
1/29/16	121	2.46396233	2.10706144	5	4.5
7/27/16	173	3.89155053	4.99861198	5	4.5
1/5/17	186	4.24844758	8.24705956	5	4.5
7/6/17	136	2.87576662	10.1228262	5	4.5
1/4/18	155	3.39738539	12.5202116	5	4.5
7/25/18	220	5.18187064	16.7020822	5	4.5
1/17/19	200	4.63279825	20.3348805	5	4.5
7/18/19	140	2.9855811	22.3204616	5	4.5
1/8/20	130	2.7110449	24.0315065	5	4.5
7/9/20	106	2.05215804	25.0836645	5	4.5
1/7/21	130	2.7110449	26.7947094	5	4.5
7/9/21	97	1.80507547	27.5997849	5	4.5
1/5/22	68	1.00892051	27.6087054	5	4.5
7/8/22	36	0.13040469	26.7391101	5	4.5
1/6/23	30	-0.03431702	25.704793	5	4.5
7/13/23	24	-0.19903874	24.5057543	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h . One, or both, of the control limits was exceeded. Therefore, there is statistically significant evidence of contamination in this well at the concentrations indicated above.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Zinc
GA MCL (µg/l): Not Established
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GWC-11	MDL
2/28/03	180	20
7/23/03	50	20
1/6/04	ND	20
7/8/04	40	20
1/13/05	ND	20
7/22/05	30	20
1/18/06	ND	20
7/6/06	ND	20
1/4/07	ND	20
7/11/07	ND	20
1/3/08	ND	20
7/2/08	ND	20
1/5/09	Dry	20
7/6/09	ND	20
1/6/10	28	20
7/8/10	47	20
1/7/11	Dry	20
7/7/11	44	20
1/5/12	ND	20
7/6/12	Dry	20
1/9/13	86.1	20
7/3/13	34.5	20
2/5/14	ND	20
7/23/14	ND	20
1/28/15	ND	20
7/8/15	ND	20
1/29/16	ND	20
7/27/16	ND	20
1/5/17	ND	20
7/6/17	29	20
1/4/18	41.6	20
7/25/18	46	20
10/2/18	NS	20
10/8/18	NS	20
11/20/18	NS	20
1/17/19	46	20
2/20/19	NS	20
7/18/19	59	20
1/8/20	82	20
7/9/20	86.6	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	110	20
7/9/21	100	20
1/5/22	97	20
7/8/22	74	20
1/6/23	58	20
7/13/23	39	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned}
 X_{\text{bar}} &= 40.4564103 \\
 SD &= 38.1059658 \\
 N &= 39 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 84012.9192 \\
 \gamma_1 &= 1.57866024
 \end{aligned}$$

Since the Coefficient of Skewness of 1.58 is greater than 1.0, the real data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. Perform the Skewness Test on the natural log of the values.

$$\begin{aligned}
 X_{\text{bar}} &= 3.27970975 \\
 SD &= 0.94423352 \\
 N &= 39 \\
 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 0.16437296
 \end{aligned}$$

$$\gamma_i = 0.20300823$$

Since the Coefficient of Skewness of 0.20 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the log-transformed values shown above.

Part 2: Shewhart-CUSUM Control Chart

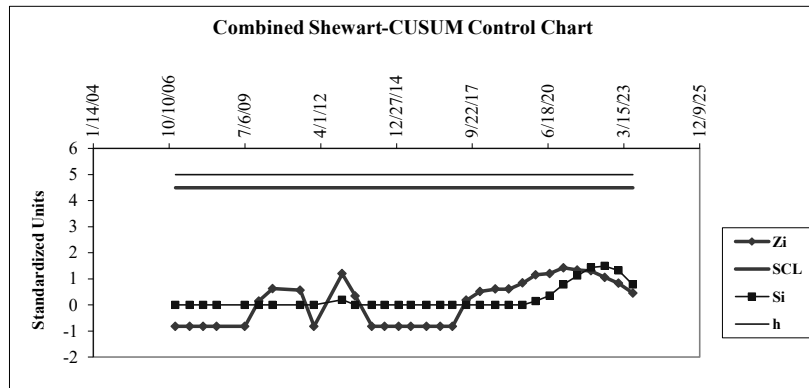
Compute the mean and standard deviation of the historical data:

- 3.17567463 = x_{mean} (Mean of N1-N8 historical data)
- 1.06737445 = s (Standard Deviation of N1-N8 historical data)
- 1 = k (constant, reference value)
- 5 = h (constant, upper control limit for the CUSUM scheme)
- 4.5 = SCL (Constant, upper Shewhart Control Limit)

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
1/4/07	2.30258509	-0.81797867	0	5	4.5
7/11/07	2.30258509	-0.81797867	0	5	4.5
1/3/08	2.30258509	-0.81797867	0	5	4.5
7/2/08	2.30258509	-0.81797867	0	5	4.5
7/6/09	2.30258509	-0.81797867	0	5	4.5
1/6/10	3.33220451	0.14664945	0	5	4.5
7/8/10	3.8501476	0.63189911	0	5	4.5
7/7/11	3.78418963	0.57010452	0	5	4.5
1/5/12	2.30258509	-0.81797867	0	5	4.5
1/9/13	4.45550941	1.19904948	0.19904948	5	4.5
7/3/13	3.54095932	0.34222731	0	5	4.5
2/5/14	2.30258509	-0.81797867	0	5	4.5
7/23/14	2.30258509	-0.81797867	0	5	4.5
1/28/15	2.30258509	-0.81797867	0	5	4.5
7/8/15	2.30258509	-0.81797867	0	5	4.5
1/29/16	2.30258509	-0.81797867	0	5	4.5
7/27/16	2.30258509	-0.81797867	0	5	4.5
1/5/17	2.30258509	-0.81797867	0	5	4.5
7/6/17	3.36729583	0.17952575	0	5	4.5
1/4/18	3.72810017	0.51755551	0	5	4.5
7/25/18	3.8286414	0.61175041	0	5	4.5
1/17/19	3.8286414	0.61175041	0	5	4.5
7/18/19	4.07753744	0.84493573	0	5	4.5
1/8/20	4.40671925	1.15333903	0.15333903	5	4.5
7/9/20	4.46129982	1.20447438	0.35781341	5	4.5
1/7/21	4.70048037	1.42855746	0.78637087	5	4.5
7/9/21	4.60517019	1.33926341	1.12563428	5	4.5
1/5/22	4.57471098	1.31072684	1.43636112	5	4.5
7/8/22	4.30406509	1.05716458	1.4935257	5	4.5
1/6/23	4.06044301	0.82892032	1.32244602	5	4.5
7/13/23	3.66356165	0.45709077	0.7795368	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h . The limits were not exceeded and do not indicate statistically significant evidence of contamination at the site.

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Total Zinc
GA MCL (µg/l): Not Established
Method: Shewhart-CUSUM Control Chart

Part 1: Check for Normality

	GWC-29	MDL
10/8/18	ND	20
11/20/18	55	20
1/17/19	ND	20
2/20/19	57.3	20
7/18/19	23	20
1/8/20	ND	20
7/9/20	23.7	20
8/10/20	NS	20
9/16/20	NS	20
10/19/20	NS	20
1/7/21	23	20
7/9/21	41	20
1/5/22	30	20
7/8/22	110	20
1/6/23	140	20
7/13/23	85	20

If not detected (ND), use half of the detection limit.

$$\begin{aligned} X_{\text{bar}} &= 47.538462 \\ SD &= 41.185769 \\ N &= 13 \\ 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 67739.374 \\ \gamma_1 &= 1.0933087 \end{aligned}$$

Since the Coefficient of Skewness of 1.09 is greater than 1.0, the real data appear to be significantly skewed. Do not assume that the data follow a Normal distribution. Perform the Skewness Test on the natural log of the values.

$$\begin{aligned} X_{\text{bar}} &= 3.5076459 \\ SD &= 0.8990623 \\ N &= 13 \\ 1/N \sum_i (X_i - X_{\text{bar}})^3 &= 0.0277505 \\ \gamma_1 &= 0.0430572 \end{aligned}$$

Since the Coefficient of Skewness of 0.04 is less than 1.0, the data appear not to be significantly skewed. Proceed with further statistical tests using the log-transformed values shown above.

Part 2: Shewhart-CUSUM Control Chart

Date	GWC-29	MDL	Data for Testing
10/8/18	ND	20	2.3025851

11/20/18	55	20	4.0073332
1/17/19	ND	20	2.3025851
2/20/19	57.3	20	4.0483006
7/18/19	23	20	3.1354942
1/8/20	ND	20	2.3025851
7/9/20	23.7	20	3.165475
8/10/20	NS	20	-
9/16/20	NS	20	-
10/19/20	NS	20	-
1/7/21	23	20	3.1354942
7/9/21	41	20	3.7135721
1/5/22	30	20	3.4011974
7/8/22	110	20	4.7004804
1/6/23	140	20	4.9416424
7/13/23	85	20	4.4426513

Compute the mean and standard deviation of the historical data:

$$3.0499816 = x_{\text{mean}} \text{ (Mean of N1-N8 historical data)}$$

$$0.7188216 = s \text{ (Standard Deviation of N1-N8 historical data)}$$

$$1 = k \text{ (constant, reference value)}$$

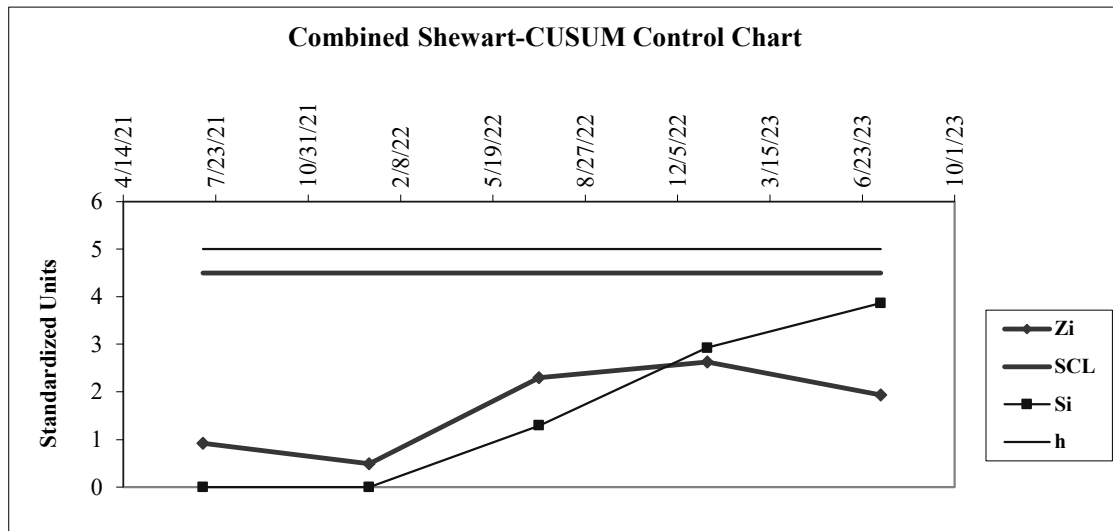
$$5 = h \text{ (constant, upper control limit for the CUSUM scheme)}$$

$$4.5 = \text{SCL (Constant, upper Shewhart Control Limit)}$$

Compute the standardized mean (Z_i) and the cumulative sum (S_i) for each concentration.

Date	x_i	Z_i	S_i	h	SCL
			0		
7/9/21	3.7135721	0.92316442	0	5	4.5
1/5/22	3.4011974	0.48859944	0	5	4.5
7/8/22	4.7004804	2.29611753	1.29611753	5	4.5
1/6/23	4.9416424	2.63161394	2.92773147	5	4.5
7/13/23	4.4426513	1.93743448	3.86516595	5	4.5

Plot Z_i and S_i versus time:



Compare the Z_i and S_i values to their respective control limits of SCL and h.

The limits were not exceeded and do not indicate statistically significant evidence of contamination at the site.

Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number 1472-181

Compound: Benzene
GA MCL (µg/l): 5
Method: Non-Parametric Prediction Limits
Background: GWA-1, GWA-2

Sample Date	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10/10D	GWC-11	GWC-12/12R	GWC-13/13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	MDL		
03/02/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
04/15/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
05/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/08/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
02/28/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/23/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/06/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/08/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/13/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/22/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/18/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/06/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/11/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/03/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/02/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/05/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/06/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/06/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/08/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/05/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/06/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/09/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/03/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
02/05/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/23/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/28/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/08/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/29/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/27/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/05/17	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/06/17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/04/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/25/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
10/02/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2		
10/08/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2		
11/20/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2		
01/17/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
02/20/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2		
07/18/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
01/08/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/09/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
08/10/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2		
09/16/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2		
10/19/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2		
01/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/05/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/08/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/06/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
07/13/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	

**Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number J23-1472-181**

Compound: Benzene
MCL (µg/l): 5
Method: Wilcoxon Rank Sum (intrawell)

	GWC-12R (BG)	CWC-12R	MDL
02/28/03	NP		2
07/23/03	NP		2
01/06/04	NP		2
07/08/04	ND		2
01/13/05	ND		2
07/22/05	ND		2
01/18/06	ND		2
07/06/06	ND		2
01/04/07	ND		2
07/11/07	NS		2
01/03/08	Dry		2
07/02/08	Dry		2
01/05/09	Dry		2
07/06/09	ND		2
01/06/10	ND		2
07/08/10	ND		2
01/07/11	ND		2
07/07/11	ND		2
01/05/12	ND		2
07/06/12	ND		2
01/09/13	ND		2
07/03/13	ND		2
02/05/14	ND		2
07/23/14		ND	2
01/28/15		ND	2
07/08/15		ND	2
01/29/16		ND	2
07/27/16		2.1	2
01/05/17		2.3	2
07/06/17		ND	2
01/04/18		2.3	2
07/25/18		2.9	2
10/02/18		NS	2
10/08/18		NS	2
11/20/18		NS	2
01/17/19		2.1	2
02/20/19		NS	2
07/18/19		2.8	2
01/08/20		2.7	2
07/09/20		3.2	2
08/10/20		NS	2
09/16/20		NS	2
10/19/20		NS	2
01/07/21		2.7	2

07/09/21	2.6	2
01/05/22	2.1	2
07/08/22	3.3	2
01/06/23	ND	2
07/13/23	2.6	1

1) Rank the N = 35 observations from the smallest to the largest from background wells and compliance well CWC-12R.

$$\begin{aligned}
 n &= 19 \\
 m &= 16 \\
 N &= 35 \\
 C_i \text{ (CWC-12R)} &= 446.0
 \end{aligned}$$

2) Compute the Wilcoxon statistic by adding up the compliance well ranks and subtracting $n(n+1)/2$.

$$W = C_i - 1/2(n(n+1))$$

$$W = 256$$

3) Compute the expected value and standard deviation of W.

$$E(W) = 1/2mn$$

$$SD(W) = ((mn(N+1)/12) * (1 - \sum_{i=1}^g (t_i^3 - t_i)/(N^3 - N)))^{0.5}$$

$$E(W) = 152$$

Adjustment for tie values:

$$SD(W) = 26.170$$

4) Form the appropriate Z-score.

$$Z = (W - E(W) - 0.5)/SD(W)$$

$$Z = 3.955$$

5) Compare the observed Z-score to the upper 0.01 percentile of the normal distribution.

$$Z = 3.955$$

$$Z_{0.01} = 2.326$$

Since Z is greater, there is significant evidence of contamination at the compliance well at the 1 percent significance level.

Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number 1472-181

Compound: Carbon Disulfide
GA MCL (µg/l): Not Established
Method: Non-Parametric Prediction Limits
Background: GWA-1, GWA-2

Date	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10/10H	GWC-11	GWC-12/12R	GWC-13/13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	MDL	
03/02/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
04/15/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
05/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/08/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
02/28/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/23/03	9	ND	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/06/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/08/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/13/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/22/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/18/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/06/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/11/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/03/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/02/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/05/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/06/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/06/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/08/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/05/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/06/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/09/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/03/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
02/05/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/23/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/28/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/08/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/29/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/27/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/05/17	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/06/17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/04/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/25/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
10/02/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	
10/08/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	
11/20/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	
01/17/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
02/20/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5
07/18/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/08/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/09/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
08/10/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5
09/16/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5
10/19/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5
01/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/05/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/08/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/06/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/13/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5

- If not detected (ND), use half of the detection limit.
- Set the total number of data values for background well(s) equal to the number of background samples tested $n' = 46$.
- Set the Prediction Limit equal

Eagle Point MSW Landfill
 Forsyth County, Georgia
 B.L.E. Project Number 1472-181

Compound: Toluene
 GA MCL (µg/l): 1000
 Method: Non-Parametric Prediction Limits
 Background: GWA-1, GWA-2

Date	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10/10H	GWC-11	GWC-12/12R	GWC-13/13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	MDL	
03/02/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
04/15/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
05/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/08/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
02/28/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/23/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/06/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/08/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/13/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/22/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/18/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/06/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/11/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/03/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/02/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/05/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/06/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/06/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/08/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/05/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/06/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/09/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/03/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
02/05/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/23/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/28/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/08/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/29/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/27/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/05/17	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/06/17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/04/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/25/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
10/02/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2	
10/08/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2	
11/20/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2	
01/17/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
02/20/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2
07/18/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/08/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/09/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
08/10/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2
09/16/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2
10/19/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2
01/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/05/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/08/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/06/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
07/13/23	ND	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	

- If not detected (ND), use half of the detection limit.
- Set the total number of data values for background well(s) equal to the number of background samples tested $n' = 46$.

Eagle Point MSW Landfill
Forsyth County, Georgia
BLE Project Number 1472-181

Compound: Xylenes
 GA MCL (µg/l): 5
 Method: Non-Parametric Prediction Limits
 Background: GWA-1, GWA-2

Date	GWA-1	GWA-2	GWC-1	GWC-2	GWC-3	GWC-4	GWC-5	GWC-6	GWC-7	GWC-7A	GWC-8	GWC-9	GWC-10/10D	GWC-11	GWC-12/12R	GWC-13/13R	GWC-14R	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-28	GWC-29	MDL	
03/02/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
04/15/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
05/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/08/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
02/28/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/23/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/06/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/08/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/13/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/22/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/18/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/06/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/11/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/03/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/02/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/05/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/06/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/06/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/08/10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/07/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/05/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/06/12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/09/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Dry	Dry	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/03/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
02/05/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/23/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/28/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/08/15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/29/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/27/16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/05/17	ND	ND	ND	Dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/06/17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/04/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/25/18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
10/02/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	
10/08/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	
11/20/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	
01/17/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
02/20/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	
07/18/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/08/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/09/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
08/10/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	
09/16/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	
10/19/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	
01/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/05/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/08/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
01/06/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
07/13/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5

- If not detected (ND), use half of the detection limit.
- Set the total number of data values for background well(s) equal to the number of background samples tested $n' = 46$.
- Set the Prediction Limit equal to the maximum concentration from the background well(s) $PL = 2.$