



Forsyth County Recycling & Solid Waste Department

SAMUEL B. BUCKLES, Environmental Scientist Manager

October 15, 2024

Mr. David DuBose
Georgia Department of Natural Resources
Environmental Protection Division
Solid Waste Management Program
4244 International Parkway, Suite 104
Atlanta, Georgia 30354-3906

RE: First 2024 Semi-Annual Groundwater & Surface Water Monitoring Report
Forsyth County – Hightower Landfill
Permit Nos. 058-006D(SL), 058-009(SL) and
Permit No. 058-010D(SL)
Forsyth County

Dear Mr. DuBose:

In accordance with the Georgia EPD Rules and Regulations for Solid Waste Management, Chapter 391-3-4, and the Site's Corrective Action Plan, Forsyth County is submitting the attached Semi-Annual Groundwater & Surface Water Monitoring Report prepared by Atlantic Coast Consulting, Inc. (ACC).

You can reach me at (470) 208-8582 (cell) or by email at sbbuckles@forsythco.com if you would like to touch base or discuss, or Charles Adams with ACC at (770) 712-9785 (cell) or charles.adams@atlcc.net.

Sincerely,



ATLANTIC COAST
CONSULTING, INC.

FORSYTH COUNTY – HIGHTOWER ROAD LANDFILL

First 2024 Groundwater & Surface Water Monitoring Report

BALLGROUND, GEORGIA, 30107

PERMIT #s: 058-006D(L), 058-009D(SL), 058-010D(SL)

OCTOBER 2024



Prepared By:

Atlantic Coast Consulting, Inc.

11545 Wills Road, Suite 100

Alpharetta, GA 30009

Certification

I, Charles Adams, 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 the data in this report have been prepared by me or a subordinate working under my direction.



Charles Adams, P.G.
Project Manager

Georgia P.G. Number: 1632

This certification statement is provided in accordance with Rules of Georgia Solid Waste Management 391-3-4-.07(3)(v). This First 2024 Groundwater & Surface Water Monitoring Report is provided to document results of the current sampling event at the Forsyth County – Hightower Road Municipal Solid Waste Landfill (MSWLF). As documented in the report, during the sampling event, there were constituent concentrations above established compliance standards. Therefore, as a qualified groundwater scientist, I certify that these constituents are not in compliance with established standards as documented herein. The facility complies with appropriate Georgia Rules of Solid Waste Management, because Assessment of Corrective Measures (ACM) Studies have been completed and a Corrective Action Plan (CAP) is being implemented.

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SECTION 1: INTRODUCTION

On behalf of Forsyth County, Georgia, Atlantic Coast Consulting, Inc. (ACC) is providing this Semi-Annual Groundwater & Surface Water Monitoring Report for the Hightower Road MSWLF. The purpose of this report is to provide a summary and evaluation of the results of the recent groundwater and surface water monitoring event, which is required by the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management 391-3-4-.14. This report includes a professional geologist certification and compliance statement, a summary of site conditions, a description of sampling and analysis, a potentiometric map based on groundwater level measurements recorded during this monitoring event, determination of groundwater flow rate and direction, a summary of analytical results, and a statistical analysis of the analytical data.

SECTION 2: BACKGROUND

2.1 Site Description

The Forsyth County Hightower Road Landfill is a closed MSWLF consisting of four phases (Phases I through IV) located in northwest Forsyth County, Georgia. Phases I and II operated under EPD Solid Waste Handling Permit No. 058-006D(L) from 1986 until 1994, Phase III under EPD Solid Waste Handling Permit No. 058-009D(SL) from 1991 until 1995, and Phase IV under EPD Solid Waste Handling Permit No. 058-010D(SL) from 1993 until 1997. Closure activities for the entire facility were completed in 1999.

2.2 Site History

An ACM report completed in 2004 concluded that the source of volatile organic compounds (VOCs) in groundwater at the facility was primarily due to landfill gas (LFG), and various means of reducing LFG impacts to groundwater were evaluated. The ACM proposed a combination of monitored natural attenuation (MNA) and LFG migration control to remediate the site. Forsyth County subsequently held a public meeting to review the ACM results and solicit comments from the public regarding the selection of corrective measures. After completion of the public comment phase, corrective measures that were demonstrated to meet the requirements of Georgia Rule 391-3-4-.14(39) in the ACM were selected for long-term implementation at the facility. The measures consist of MNA and LFG migration control. The ACM was approved by EPD in 2005.

ACC submitted the interim CAP to EPD for review in January 2007. The interim CAP proposed the implementation of MNA from the ACM, as well as the installation of several LFG interceptor vent trenches and the retrofitting of a passive vacuum source (individual turbines) to the existing in-waste gas vents. Three LFG interceptor trenches were completed in late 2007 and have reduced methane gas concentrations in methane monitoring wells. A final CAP was submitted to EPD in July 2008 and presented a milestone schedule for implementing further corrective actions. The EPD conditionally approved the *Request for Minor Modification to Solid Waste Handling Permit* that added the CAP to the permit (pending submittal of remedial cost information), and annual MNA groundwater sampling was initiated during the second 2007 monitoring event. In response to the conditional approval of the CAP, a table summarizing actual and estimated remedial costs for the corrective action program and a revised CAP implementation schedule were submitted to EPD March 12, 2009. In accordance with this updated CAP schedule, Corrective Measures Status Evaluation Reports are completed every three years and include evaluations of the selected long-term remedies.

The CAP requires sampling of MNA parameters from select assessment monitoring wells on an annual basis. MNA sampling began with the second 2007 monitoring event. These MNA parameters include

alkalinity (total), chloride, carbon dioxide, dissolved oxygen, ferrous iron, nitrate, oxidation-reduction potential, sulfate, and total dissolved solids. **Table A** presents a summary of the current analyte lists for all CAP-required monitoring locations. The CAP-prescribed schedule for review of MNA data is on a triennial basis. The first MNA/CAP review was completed during the second 2010 monitoring event, and subsequent reviews were completed during the second 2013, second 2016, second 2019, and second 2022 monitoring events. The reviews are submitted to EPD as attachments to the second semi-annual groundwater monitoring reports.

Forsyth County submitted a *Request for Minor Modification to Solid Waste Handling Permit* for a gas extraction system in September 2009. That design included replacing six passive vents with vertical gas extraction wells equipped with solar-powered flare/blower units (the vents included two vents in Phase I and four vents in Phase II). This design was approved by EPD on April 15, 2010. Forsyth County has implemented this design, and the installation certification report was submitted to EPD on October 14, 2011.

Off-site well W-3 was abandoned in May 2014 and off-site well W-2 was abandoned in September 2014. The sampling requirements for off-site wells W-2 and W-3 were removed from the permit via a *Request for Minor Modification to Solid Waste Handling Permit*, which was approved by EPD June 16, 2015.

Forsyth County submitted a March 2017 *Request for Minor Modification to Solid Waste Handling Permit* to remove all off-site sampling requirements from the permit for two off-site water wells (W-1 and W-4) and two “springs” (S-1 and S-2), based on a 13-year history of sampling analysis, with no confirmed VOC detections in well samples or spring samples, and only sporadic detections of naturally occurring metals barium, copper, and/or zinc in off-site well samples. The March 2017 *Request for Minor Modification* also included an adjustment to the frequency for full Appendix II analyte monitoring to correspond with triennial corrective measures status evaluation reports. EPD approved the permit modification on April 20, 2017.

Forsyth County provided adjacent property owner and public notification of sample results above groundwater protection standards (GWPS) in two wells along the northern property boundary in accordance with Georgia Rule 391-3-4-.17(6) and EPD correspondence dated April 25, 2017. A copy of the publisher’s affidavit for the newspaper notice and adjacent property owner notifications were provided to EPD July 7, 2017, October 2, 2017, and April 24, 2018. Future public notifications will also be submitted to EPD, if required.

Forsyth County has conducted a pilot test to evaluate the effectiveness of encapsulated potassium permanganate (KMnO₄) in reducing VOCs in groundwater near AMW-12/12R and a new pilot test is underway in Phase 1, near monitoring wells PH1-GWC-3 and PH1-GWC-3A. Work is being conducted under the EPD-approved Underground Injection Control (UIC) Permit No. GAW000753. This pilot test/UIC permit is the result of a multi-year process to evaluate enhancing the groundwater CAP. The pilot test for selected remedy has been evaluated through the feasibility assessment process and implemented per the November 24, 2020, *Groundwater Pilot Test Work Plan*, submitted as Georgia EPD Online System (GEOS) Submittal ID: 519457. The second pilot test for this remedy is being implemented per the November 17, 2022, *Pilot Test B Work Plan*, submitted in GEOS as Submittal ID: 713601.

As part of the UIC permit requirements, quarterly reports on the pilot tests are submitted to the EPD Watershed Protection Branch. This semi-annual groundwater monitoring report, conducted under the solid waste permit, will also be submitted to the EPD Watershed Protection Branch as part of the UIC permit requirement.

A minor modification, GEOS Submittal 588643, approved by EPD September 24, 2021, was provided to update the facility environmental monitoring network to show temporary wells installed under the UIC permit and to depict the location of flare PH2-MV05 and methane barpunch location MM-11R.

2.3 Hydrogeology

The site is divided into two different lithologies by the Allatoona Fault, which runs through the northwest section of the site. All four phases of the landfill are located to the southeast of this fault and are underlain by the Canton formation. The Canton formation is considered to be the inner-most belt of the Piedmont physiographic province; belts to the northwest of this formation are designated as part of the Blue Ridge physiographic province. The Canton formation is composed of carbonaceous/graphitic, garnetiferous mica schist inter-layered with amphibolite. The Chattahoochee fault runs sub-parallel to and southeast of the Allatoona Fault; the area between these two faults (that includes much of this site) is referred to as the “Dahlongega Gold Belt.”

SECTION 3: MONITORING PROGRAM

3.1 Overview

There are 13 groundwater monitoring wells and three AMW series wells utilized to monitor groundwater conditions near Phase I of the facility, and 34 monitoring wells and 10 AMW series wells to monitor Phases II – IV. Throughout the site, well clusters have been installed to monitor vertical gradients and/or stratification of potential impacts. The shallowest monitoring wells have no suffix (e.g., GWC-8), the intermediate monitoring wells have an “A” suffix (e.g., GWC-8A), and the deepest monitoring wells (installed in rock) have an “R” suffix (e.g., GWC-8R).

Surface water is monitored for permit-required parameters (Georgia Table 1 Surface Water Parameters) at 13 locations around the facility. Eleven surface water sampling points are monitored semi-annually at the landfill (SWA-1, SWA-2, and SWC-1 through SWC-9). Two additional surface water sampling points, SWC-4A and SWC-4B, have been added for delineation purposes. When water is present, surface water samples are analyzed for chemical oxygen demand (COD), total cyanide, total organic carbon, chloride, and metals. Five surface water locations (SWC-1, SWC-4, SWC-4A, SWC-4B, and SWC-6) are also sampled semi-annually for Appendix I VOCs for delineation purposes. **Table A** provides a summary of surface water sampling requirements.

During the first semi-annual monitoring event, assessment monitoring wells are sampled for Appendix II VOCs and Appendix I metals, select wells for Appendix II VOCs and semi-VOCs, and detection monitoring wells are sampled for Appendix I parameters as listed in **Table A**. During the second semi-annual monitoring event, assessment monitoring wells are sampled for Appendix I parameters plus any verified Appendix II analytes and detection monitoring wells are sampled for Appendix I parameters. Once every three years, assessment monitoring wells are sampled for the full Appendix II analyte list; monitoring wells were last sampled for the full Appendix II analyte list during the June 2022 monitoring event. The next triennial monitoring event is scheduled for June 2025. Select AMW series wells are sampled and analyzed for Appendix I VOCs or Appendix II VOCs and Appendix I metals as warranted by the data (i.e., to provide delineation) and are sampled for the required parameters listed in **Table A**. Any Appendix II constituents that become verified in an assessment well are added to the analyte list for that well during the second semi-annual monitoring event.

As described in the July 26, 2013, *Response to EPD Comments*, the landfill has redundant monitoring in the saprolite/bedrock aquifer as these two zones were demonstrated to be interconnected in the 1992 *Site Assessment Report*. Therefore, if these wells are dry, the well complements are sampled, as shown on the following table:

ID	Complement
GWA-1	GWA-1A
GWC-3	GWC-3A
GWC-4	GWC-4A
GWC-8	GWC-8A
GWC-14	GWC-14A
GWC-15	AMW-1
GWC-16A	AMW-2
GWC-18	AMW-5

In accordance with the groundwater monitoring plan, all detected analyte concentrations are compared to a GWPS. The GWPS is the United States Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL), or in cases where no MCL exists, an alternate GWPS is utilized. Per Georgia Rule 391-3-4-.14(32), alternate GWPS were established in the ACM for analytes that have no established MCL.

3.2 Sampling Procedures

All samples were collected in accordance with the EPD-approved groundwater monitoring plan for Forsyth County Hightower Road MSWLF. Groundwater samples were collected following the procedures summarized below:

- All sampling equipment was decontaminated prior to use at each sampling location.
- New gloves were donned prior to sampling and changed appropriately to avoid cross contaminating samples or sampling equipment.
- Depth to groundwater was measured with an electronic water level indicator and recorded prior to sample collection and used to calculate purge volume.
- A minimum of three well volumes were removed, or the well was purged dry. Disposable Teflon® bailers were used to purge all wells, except for PH1-GWA-3A, PH1-GWC-2, GWA-1A, GWC-4A, GWC-8R, GWC-14R, and AMW-1 and a Grundfos stainless steel submersible pump, peristaltic pump, or bladder pump with disposable Teflon® lined tubing was utilized for these locations (**Table 1**).
- Parameters including pH, temperature, turbidity, and specific conductance were measured and recorded during purging and at the time of sampling. Field-collected parameters are summarized in **Table 1**.
- A brief groundwater recovery period was allowed for each well.
- Representative VOC samples were collected following purging. Samples for metals analysis were collected immediately if turbidity was less than 10 nephelometric turbidity units (NTU), or if turbidity was above 10 NTU on the following day (within 24 hours of purging) after allowing the water column to settle to obtain less turbid samples. Immediately after sample collection, all containers were labeled, placed on ice in laboratory-provided coolers, and delivered to the laboratory for analysis under chain-of-custody documentation.

- Trip blanks were provided for the event and analyzed for Appendix I VOCs or Appendix II VOCs, as appropriate.
- Two field blanks were collected during the event and analyzed for Appendix I constituents.

Surface water samples were collected utilizing grab sampling techniques following the procedures summarized below:

- New gloves were donned prior to sampling and changed appropriately to avoid cross contaminating samples.
- Parameters including pH, temperature, turbidity, specific conductance, and dissolved oxygen were measured and recorded at the time of sampling.
- Immediately after sample collection, all containers were labeled, placed on ice in laboratory-provided coolers, and delivered to the laboratory for analysis under chain-of-custody documentation.

Groundwater monitoring well information, including depth to water measurements and groundwater elevation calculations are included in **Table 2**. Laboratory analytical data are summarized in **Table 3** (Organics), and **Table 4** (Metals).

3.3 Laboratory Methodology and Certification

Laboratory analyses were performed in accordance with approved U.S. EPA methodology as set forth in *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846), Third Edition, Final Updates I (1993), II (1995), IIA (1994), IIB (1995), III (1997), IIIA (1999), IIIB (2005), IV (2008), and V (2015)*. During this event and prior sampling events, independent samples from each approved groundwater monitoring location were collected and analyzed for the applicable Appendix I (and/or Appendix II) constituents as listed in 40 Code of Federal Regulations (CFR) Part 258, Subpart E, 56 Fed. Reg. 51032-51039 (October 9, 1991), and Georgia Rules for Solid Waste Management [Chapter 391-3-4-.14(22)], as amended. The laboratory analytical results, quality control data, and chain-of-custody records for this semi-annual groundwater monitoring event are included in **Appendix A** of this report. Results of these analyses are discussed in the following sections.

Eurofins Environment Testing Southeast-Atlanta, LLC (Eurofins) is an approved laboratory (in accordance with Georgia Rule 391-3-26-.05) for the analysis of solid/hazardous waste and is accredited by the National Environmental Laboratory Accreditation Program (NELAP). Accreditation issuing authorities, certification identifications, and expiration dates are provided in the laboratory analytical reports in **Appendix A**.

SECTION 4: DISCUSSION OF SAMPLING RESULTS

4.1 Groundwater

Samples from the first 2024 semi-annual monitoring event were collected June 24-27, 2024, and were analyzed by Eurofins of Atlanta, Georgia. Samples were collected and analyzed from detection and assessment monitoring wells for Appendix I and/or MNA parameters during this monitoring event as detailed in **Table A**. Monitoring well GWC-15 had an obstruction preventing it from being sampled; therefore, the respective surrogate well, AMW-1, was sampled. Wells GWC-16A and GWC-17 purged dry and had only VOC sample volume collected.

An evaluation of the June 2024 semi-annual groundwater sampling results indicates that one or more VOCs were detected in 12 groundwater monitoring well samples and three AMW series well samples as summarized on **Table 3**. The concentrations of five organic compounds in one or more assessment monitoring well samples were above the respective GWPS: benzene, cis-1,2-dichloroethene (cis-1,2-

DCE), tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride. A summary of organic detections is presented below.

- All but one of the verified, detected VOCs were in samples from assessment monitoring wells or AMW series wells. A detection of cis-1,2-DCE was verified in detection monitoring well GWC-8 during this sampling event and is discussed further in the *Statistical Analysis* report section.
- The verified concentrations of PCE in the samples from PH1-GWC-3 (7.3 µg/L) and PH1-GWC-3A (7.8 µg/L) and TCE in the sample from PH1-GWC-3A (6.8 µg/L) were above the respective GWPS (5 µg/L).
- The verified concentration of vinyl chloride (27 µg/L) in the sample from GWC-14A was above the GWPS (2 µg/L). Vinyl chloride was not detected in GWC-13 (downgradient of GWC-14A) or in GWC-14 (shallower well).

The VOCs detected during the first 2024 monitoring event are being addressed by the remedies in the CAP. Overall, the pattern of VOC detections indicates natural attenuation is occurring, as evidenced by VOC reduction from peak levels and patterns of declining parent compounds like PCE coupled with an increase in daughter compounds like cis-1,2-DCE. Groundwater conditions continue to improve where the total number of sample concentrations above a GWPS has decreased from 29 during the first 2007 event to 10 during the first 2024 event.

A summary of metals detected during this event is presented in **Table 4**. Appendix I metals barium, chromium, cobalt, nickel, and zinc were detected in one or more groundwater monitoring well samples. Low levels of barium were detected in most groundwater samples, while chromium, cobalt, nickel, and zinc were detected less often. These metals are considered naturally occurring in site soils. All detected groundwater metals concentrations were less than their respective GWPS.

4.2 Performance Monitoring

In accordance with the CAP, a corrective measures status evaluation (CMSE) report is completed triennially. The next CMSE will be submitted in conjunction with the report for the second 2025 groundwater monitoring event.

4.3 Hydraulic Gradient and Groundwater Flow Velocity

The June 2024 groundwater level measurements were used to calculate groundwater elevations and to prepare a potentiometric surface map (**Figure 1**). The groundwater flow velocity was calculated using the potentiometric surface depicted in **Figure 1** and estimated hydraulic conductivity measurements from previous studies of the facility. Groundwater flow velocity calculations are provided in **Table 5**. The results of these calculations indicate that groundwater flows at a calculated rate of approximately 148 feet per year. The groundwater flow direction is to the northeast and northwest (in a sub-radial pattern) as depicted in **Figure 1**.

4.4 Surface Water

Eleven surface water sampling points are monitored semi-annually at the landfill. Two additional surface water sampling points, SWC-4A and SWC-4B, have been added for delineation purposes. All surface water sampling locations are listed in **Table A** and are depicted on **Figure 1**. Surface water samples are analyzed for permit-required parameters COD, total cyanide, total organic carbon, chloride, and metals (**Table A**). Low-level concentrations of total organic carbon, chloride, and/or barium were detected in one or more samples (**Table 6**). Low-level concentrations of barium are detected in upgradient and downgradient surface water sampling points, and the detected metal is naturally occurring and an artifact of sample turbidity.

Due to detections of VOCs above a GWPS in samples from PH1-GWC-3 and PH1-GWC-3A, Appendix I VOC sampling/analysis has been added¹ to SWC-6 (see **Table A**). Unverified detections of the VOCs cis-1,2-DCE and TCE were detected in SWC-6 during this event. These detections will be reassessed during the next event. Additionally, for delineation purposes SWC-1, SWC-4, SWC-4A, and SWC-4B are monitored for Appendix I VOCs and results are included in **Appendix A**. These surface water locations are monitored to verify that no VOCs are entering the tributaries of the Etowah River above instream water quality standards. The SWC-4B location serves as a point to delineate VOC results from AMW-12R. There were no detections of VOCs in the SWC-1, SWC-4, SWC-4A, and SWC-4B samples. There were detections of cis-1,2-DCE and TCE in the SWC-6 sample at concentrations below instream water quality standards.

SECTION 5: STATISTICAL ANALYSIS

According to EPD Rules for Solid Waste Management, a determination must be made as to if there is a statistically significant increase (SSI) over background values for each constituent that is part of the groundwater monitoring program.

5.1 Statistical Methodology

Paragraph (18) of Georgia Rule 391-3-4-.14 requires using one of the following types of tests: a) parametric analysis of variance (ANOVA), b) ANOVA based on the ranks followed by multiple comparison procedures, c) a tolerance or prediction interval analysis, d) a control chart approach that gives control limits for each constituent, or e) another statistical test method that meets the performance standards of paragraph (19). The statistical analysis was performed in accordance with the Georgia Solid Waste Rules. Pertinent sections of the EPA guidance document titled *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities Unified Guidance (March 2009)* are utilized, as necessary. The document recommends using one of three types of tests: ANOVA, tolerance limits, or prediction interval analysis. The document stipulates that a parametric test should be used for all constituents where:

1. The residuals of the data are normally distributed.
2. There is homogeneity of groundwater quality data variance among wells.
3. The proportion of non-detection is less than 15%; and
4. There are no significant seasonal effects upon the data.

If these criteria are not met, then a non-parametric test should be used. None of the constituents meet all four of the criteria. As a result, the statistical test chosen for every Appendix I constituent in the current sampling event was the Kruskal-Wallis, non-parametric ANOVA. This test is based on ranks followed by multiple comparison procedures to identify specific sources of difference. As presented in the CAP, groundwater VOCs occur in two distinct areas of the site. VOCs in groundwater in and around Phase I are not contiguous with those on the north side of the site around Phase II MSWLF and Phase III MSWLF. As a result, two sets of statistics are utilized, where one set considers only Phase I, and the other set considers the rest of the site.

For the Phase I area, three of five upgradient wells (PH1-GWA-1, PH1-GWA-1A, and PH1-GWA-2) have historic VOC detections and are evaluated statistically along with hydraulically downgradient wells. Therefore PH1-GWA-3A and PH1-GWA-4 are used for upgradient statistical comparisons. To maintain the integrity of PH1-GWA-4 as a background monitoring location in statistical calculations, the unverified arsenic detection from the December 2011 event has been removed from the statistical database to avoid false negative results. For Phases II-IV of the facility, GWA-1A and GWA-3 have had historical VOC

¹ Refer to correspondence dated June 14, 2017, titled “Response to April 25, 2017, EPD Letter” for the demonstration that SWC-6 is appropriate to monitor groundwater to surface water discharge from PH1-GWC-3/3A.

detections and are statistically evaluated as downgradient wells. For Phases II-IV, wells GWA-1 and GWA-2 are used as upgradient wells for statistical purposes. The datasets from surrogate wells AMW-1 and AMW-2 are appended to the datasets for GWC-15 and GWC-16A, respectively, for statistical analysis.

As noted in the CAP, concentration trends in many wells appeared to change following capping activities completed in late 1999 (pathways of gas migration possibly altered). Based on review of the database, statistical analysis is performed using data after capping was completed as a conservative measure. Data from the most recent 12 events are evaluated in statistical analysis.

The Kruskal-Wallis non-parametric ANOVA method compares each well with a group of background wells. The Kruskal-Wallis test can only determine which compliance well results are elevated with respect to background but cannot determine which specific samples produce the statistical trigger. Therefore, this statistical method may identify false positive SSIs in wells with historical detections of a parameter when that parameter was not detected in samples from the current sampling event.

Further analysis with a non-parametric tolerance limit (NPTL) test shows which specific results from a well indicate an increase over background. The Kruskal-Wallis test was used as a screening statistical test, and the parameters that showed SSIs from Kruskal-Wallis were further analyzed using an NPTL. The NPTL test has the capability of pinpointing which results cause the SSI and can identify Kruskal-Wallis false positive SSIs for parameters not detected in the current sampling data.

For confirmed SSIs calculated using the methodology above, that are also at a concentration above the relevant GWPS, confidence limits are calculated to determine if the 95% lower confidence limit (LCL) is above the GWPS. In accordance with the *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities Unified Guidance (March 2009)*, the confidence limits are compared to the GWPS, and a statistically significant level (SSL) is identified when the 95% LCL is above the GWPS.

5.2 Statistical Results and Discussion

Statistical analyses are included in **Appendix B**. The monitoring wells with concentrations identified as an SSI over background for the current event as determined by the Kruskal-Wallis ANOVA and the NPTL methods are listed in **Table 7**. The monitoring wells with identified SSIs over background and concentrations above a GWPS are evaluated to determine if concentrations are SSLs. **Table 8** summarizes this information that is presented in the GEOS data entry screen for each semi-annual event. Seventeen monitoring wells had one or more SSIs during this event, and four monitoring wells had SSIs identified for analyte concentrations that were above the respective GWPS (see **Table 7**). All 11 monitoring wells with VOC SSIs or SSLs are currently in assessment monitoring and are addressed by the CAP remedies. The verified detection of cis-1,2-DCE in detection well GWC-8 does not constitute an SSI as determined by the methods described above.

Five monitoring wells with metals SSIs are in the detection monitoring program. The detection monitoring wells with SSIs were triggered by low levels of barium. The current concentrations of barium are typical of unimpacted groundwater in the region, and concentrations are well below the respective GWPS. It is recommended that these five monitoring wells remain in detection monitoring (**Table A**).

SECTION 6: SUMMARY AND RECOMMENDATIONS

The results of the data evaluated from the June 2024 sampling event are summarized below:

- Groundwater flows, in a sub-radial pattern, towards the northeast and northwest, at a calculated rate of approximately 148 feet per year.
- VOCs at concentrations above respective GWPS in network wells are limited to those in assessment monitoring status. The low-level detection of cis-1,2-DCE in GWC-8 was not identified as an SSI. Detections of groundwater VOCs are addressed by the CAP corrective remedies.
- There were SSIs for VOC and metals concentrations in samples from assessment monitoring wells. The only SSIs for wells currently in detection monitoring were for low-level concentrations of barium (PH1-GWA-1A, PH1-GWB-1, PH1-GWC-1, GWC-1, and GWC-9), and zinc in GWC-9 at concentrations below the GWPS. These detections in groundwater are attributed to natural occurrence due to the presence in regional soils.
- The overall pattern of VOC detections indicates natural attenuation is occurring, as evidenced by VOC reduction from peak levels and patterns of declining parent compounds like PCE coupled with an increase in daughter compounds (cis-1,2-DCE). Groundwater conditions continue to improve where the total number of sample concentrations above a GWPS has decreased from 29 during the first 2007 event to 10 during the first 2024 event.
- Low-level concentrations of barium are detected in upgradient and downgradient surface water sampling points, and the detected metal is naturally occurring and an artifact of sample turbidity. There were detections of cis-1,2-DCE and TCE in the SWC-6 sample at concentrations below water quality standards.

Forsyth County will continue implementing the EPD-approved monitoring and corrective action program at the Hightower Road MSWLF. The next semi-annual monitoring event is scheduled for June 2025.

TABLES

Table A

Summary of Groundwater Surface Water Monitoring Plan Forsyth County - Hightower Road MSWLF



Location	Well Status	1st Semi-Annual Event	2nd Semi-Annual Event
Phase I Groundwater Locations			
PH1-GWA-1	Assessment	App II VOCs + App I metals	App I + MNA
PH1-GWA-1A	Detection	App I	App I
PH1-GWA-2	Assessment	App II VOCs + App I metals	App I + MNA
PH1-GWA-3A	Detection	App I	App I
PH1-GWA-4	Detection	App I	App I + MNA
PH1-GWB-1	Detection	App I	App I
PH1-GWB-2	Detection	App I	App I
PH1-GWC-1	Detection	App I	App I
PH1-GWC-2	Assessment	App II VOCs + App I metals	App I + MNA
PH1-GWC-3	Assessment	App II VOCs + App I metals	App I + MNA
PH1-GWC-3A	Assessment	App II VOCs + App I metals	App I + MNA
PH1-GWC-4	Detection	App I	App I
GWC-1	Detection	App I	App I
AMW-8	Delineation	Water Level Only	Water Level Only
AMW-9	Delineation	App II VOCs + App I metals	App I
AMW-10	Delineation	Water Level Only	Water Level Only
Phase II, III, and IV Groundwater Locations			
GWA-1	Detection	App I	App I
GWA-1A	Detection	App I	App I
GWA-2	Detection	App I	App I
GWA-3	Detection	App I	App I
GWC-2	Detection	App I	App I
GWC-3	Detection	App I	App I
GWC-3A	Detection	App I	App I
GWC-4	Detection	App I	App I
GWC-4A	Detection	App I	App I
GWC-5	Detection	App I	App I
GWC-6	Detection	App I	App I
GWC-7	Detection	App I	App I
GWC-8	Detection	App I	App I
GWC-8A	Assessment	App II VOCs + App I metals	App I + MNA
GWC-8R	Assessment (Partial)	App II VOCs + SVOCs	App I VOCs + MNA
GWC-9	Detection	App I	App I
GWC-10	Detection	App I	App I
GWC-10A	Detection	App I	App I
GWC-11	Detection	App I	App I
GWC-12	Detection	App I	App I
GWC-12A	Detection	App I	App I
GWC-13	Detection	App I	App I

Notes: 1. App I = Appendix I VOCs and metals.

2. App II = Appendix II VOCs and metals, SVOCs, pesticides/PCBs, herbicides, cyanide, sulfide.

3. Every three years, the full list of Appendix II parameters in 40 CFR Part 258, Subpart E, 56 Fed. Reg. 51032-51039 (October 9, 1991) are analyzed in assessment wells. The next full Appendix II list sampling will be the first 2025 event.

4. GA SW Parameters = metals (As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg), chloride, cyanide, chemical oxygen demand (COD) & total organic carbon (TOC).

5. Verified detections of App II compounds are added to the assessment monitoring analyte list during the second semi-annual monitoring event.

6. MNA = Monitored Natural Attenuation Parameter List: alkalinity (total), carbon dioxide, chloride, dissolved oxygen, ferrous iron, nitrate, sulfate, oxidation-reduction potential, and total dissolved solids.

Table A
Summary of Groundwater Surface Water Monitoring Plan
Forsyth County - Hightower Road MSWLF



Location	Well Status	1st Semi-Annual Event	2nd Semi-Annual Event
Phase II, III, and IV Groundwater Locations (Continued)			
GWC-14	Detection	App I	App I
GWC-14A	Assessment	App II VOCs + App I metals	App I + MNA
GWC-14R	Assessment (Partial)	App II VOCs + SVOCs	App I VOCs + MNA
GWC-15	Assessment	App II VOCs + App I metals	App I + MNA
GWC-16A	Assessment	App II VOCs + App I metals	App I + MNA
GWC-17	Assessment	App II VOCs + App I metals	App I + MNA
GWC-18	Assessment	App II VOCs + App I metals	App I + MNA
GWC-19R	Assessment	App II VOCs + App I metals	App I + MNA
GWC-22	Detection	App I	App I
GWC-23	Detection	App I	App I
GWC-23A	Detection	App I	App I
GWC-24	Detection	App I	App I + MNA
AMW-1	Delineation	Water Level Only	Water Level Only
AMW-2	Delineation	Water Level Only	Water Level Only
AMW-3	Delineation	Water Level Only	Water Level Only
AMW-4	Delineation	App II VOCs	App I VOCs + MNA
AMW-5	Delineation	App II VOCs	App I VOCs + MNA
AMW-11R	Delineation	Water Level Only	Water Level Only
AMW-12	Delineation	App II VOCs	App I VOCs
AMW-12R	Delineation	App II VOCs	App I VOCs
AMW-13	Delineation	App II VOCs + App I metals	App I
AMW-14	Delineation	App II VOCs	App I VOCs + MNA
FB-1	Quality Control	App I	App I
FB-2	Quality Control	App I	App I
TB	Quality Control	App II VOCs	App I VOCs
Surface Water Locations			
SWA-1	Surface Water	GA SW Parameters	GA SW Parameters
SWA-2	Surface Water	GA SW Parameters	GA SW Parameters
SWC-1	Surface Water	GA SW Parameters + App I VOCs	GA SW Parameters + App I VOCs
SWC-2	Surface Water	GA SW Parameters	GA SW Parameters
SWC-3	Surface Water	GA SW Parameters	GA SW Parameters
SWC-4	Surface Water	GA SW Parameters + App I VOCs	GA SW Parameters + App I VOCs
SWC-4A	Surface Water / Delineati	App I VOCs	App I VOCs
SWC-4B	Surface Water / Delineati	App I VOCs	App I VOCs
SWC-5	Surface Water	GA SW Parameters	GA SW Parameters
SWC-6	Surface Water	GA SW Parameters + App I VOCs	GA SW Parameters + App I VOCs
SWC-7	Surface Water	GA SW Parameters	GA SW Parameters
SWC-8	Surface Water	GA SW Parameters	GA SW Parameters
SWC-9	Surface Water	GA SW Parameters	GA SW Parameters

- Notes:**
1. App I = Appendix I VOCs and metals.
 2. App II = Appendix II VOCs and metals, SVOCs, pesticides/PCBs, herbicides, cyanide, sulfide.
 3. Every three years, the full list of Appendix II parameters in 40 CFR Part 258, Subpart E, 56 Fed. Reg. 51032-51039 (October 9, 1991) are analyzed in assessment wells. The next full Appendix II list sampling will be the first 2025 event.
 4. GA SW Parameters = metals (As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg), chloride, cyanide, chemical oxygen demand (COD) & total organic carbon (TOC).
 5. Verified detections of App II compounds are added to the assessment monitoring analyte list during the second semi-annual monitoring event.
 6. MNA = Monitored Natural Attenuation Parameter List: alkalinity (total), carbon dioxide, chloride, dissolved oxygen, ferrous iron, nitrate, sulfate, oxidation-reduction potential, and total dissolved solids.

Table 1
Summary of Water Quality Parameters
Forsyth County - Hightower Road MSWLF



Well ID	Sample Method	pH (S.U.)	Specific Conductance (μS/cm)	Temperature (°C)	Turbidity (NTU)
Phase I Groundwater Locations					
PH1-GWA-1	Bailer	5.03	85	22.7	7.8
PH1-GWA-1A	Bailer	5.67	66	21.8	7.0
PH1-GWA-2	Bailer	5.54	121	27.8	6.3
PH1-GWA-3A	Sub. Pump	5.95	54	22.9	1.95
PH1-GWA-4	Bailer	5.34	34	26.9	30.1
PH1-GWB-1	Bailer	5.08	45	23.4	6.2
PH1-GWB-2	Bailer	5.07	52	23.0	5.7
PH1-GWC-1	Bailer	5.93	146	22.1	13.1
PH1-GWC-2	Sub. Pump	5.71	210	21.7	34.1
PH1-GWC-3	Bailer	5.82	161	19.8	2.0
PH1-GWC-3A	Bailer	6.20	237	21.3	23.5
PH1-GWC-4	Bailer	3.90	28	19.1	14.6
GWC-1	Bailer	5.11	63	18.1	2.2
AMW-9	Bailer	5.50	22	20.8	3.9
Phase II, III, and IV Groundwater Locations					
GWA-1	Bailer	4.95	51	25.0	5.9
GWA-1A	Sub. Pump	5.67	135	23.5	1.8
GWA-2	Bailer	5.27	30	23.7	3.7
GWA-3	Bailer	5.34	20	23.1	4.6
GWC-2	Bailer	5.27	12	23.9	7.0
GWC-3	Bailer	4.85	30	20.6	10.9
GWC-3A	Bailer	4.93	26	20.6	47.3
GWC-4	Bailer	4.78	108	24.3	6.1
GWC-4A	Sub. Pump	5.76	82	23.4	3.6
GWC-5	Bailer	5.09	17	21.2	6.1
GWC-6	Bailer	5.08	32	20.7	5.1
GWC-7	Bailer	5.56	38	21.9	2.6
GWC-8	Bailer	4.86	76	24.7	6.1

Notes: Groundwater samples collected June 24-27, 2024.

* = Metals not collected; purged dry and did not sufficiently recover within 24 hours.

** = Metals not required.

Acronyms: μS/cm = microSiemens/centimeter
 NTU = Nephelometric Turbidity Units
 %v/v = percent by volume

S.U. = Standard Units
 °C = Degrees Celsius
 NA = Not Available

Table 1
Summary of Water Quality Parameters
Forsyth County - Hightower Road MSWLF



Well ID	Sample Method	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)
Phase II, III, and IV Groundwater Locations (Continued)					
GWC-8A	Bailer	5.83	228	19.8	21.4
GWC-8R	Sub. Pump	5.68	280	22.6	6.7
GWC-9	Bailer	5.16	109	23.8	15.4
GWC-10	Bailer	5.19	26	24.4	14.5
GWC-10A	Bailer	5.01	48	22.9	3.6
GWC-11	Bailer	4.56	91	20.1	9.9
GWC-12	Bailer	4.94	165	27.4	9.5
GWC-12A	Bailer	4.80	39	23.8	12.4
GWC-13	Bailer	5.55	32	23.7	4.0
GWC-14	Bailer	4.92	30	21.3	11.1
GWC-14A	Bailer	5.20	221	22.8	3.3
GWC-14R	Sub. Pump	5.80	300	19.0	4.3
GWC-15	Obstruction in well - Refer to Surrogate AMW-1				
GWC-16A	Bailer	5.82	882	26.9	NA
GWC-17	Bailer	4.85	32	21.2	NA
GWC-18	Bailer	5.39	226	20.4	6.8
GWC-19R	Bailer	5.28	178	24.8	4.9
GWC-22	Bailer	5.42	32	23.5	4.7
GWC-23	Bailer	5.16	40	27.5	3.4
GWC-23A	Bailer	5.51	52	27.7	0.8
GWC-24	Bailer	5.41	29	20.8	4.1
AMW-1	Sub. Pump	5.26	236	22.3	6.2
AMW-2	Bailer	5.72	125	24.8	3.1
AMW-4	Bailer	5.66	82	22.0	NA
AMW-5	Bailer	5.95	92	24.8	NA
AMW-12	Bailer	5.62	37	20.3	NA
AMW-12R	Bailer	5.66	53	26.3	NA
AMW-13	Bailer	5.22	45	23.2	NA
AMW-14	Bailer	5.13	71	23.4	NA

Notes: Groundwater samples collected June 24-27, 2024.

* = Metals not collected; purged dry and did not sufficiently recover within 24 hours.

** = Metals not required.

Acronyms: µS/cm = microSiemens/centimeter

NTU = Nephelometric Turbidity Units

%v/v = percent by volume

S.U. = Standard Units

°C = Degrees Celsius

NA = Not available

Table 2
Groundwater Elevation Data
Forsyth County - Hightower Road MSWLF



Monitoring Well ID	Total Well Depth (ft BTOC)	TOC Elevation (ft MSL)	Depth to Water Level (ft BTOC)	Groundwater Elevation (ft MSL)
Phase I Groundwater Locations				
PH1-GWA-1	48.66	1176.37	40.88	1135.49
PH1-GWA-1A	108.00	1176.35	41.09	1135.26
PH1-GWA-2	53.60	1183.40	38.49	1144.91
PH1-GWA-3A	250.00	1187.16	38.51	1148.65
PH1-GWA-4	57.00	1191.14	38.78	1152.36
PH1-GWB-1	53.80	1179.10	43.23	1135.87
PH1-GWB-2	42.22	1155.04	27.37	1127.67
PH1-GWC-1	23.79	1074.66	10.42	1064.24
PH1-GWC-2	127.61	1103.93	24.15	1079.78
PH1-GWC-3	23.42	1096.96	12.57	1084.39
PH1-GWC-3A	55.42	1096.28	11.65	1084.63
PH1-GWC-4	33.71	1124.26	30.97	1093.29
GWC-1	38.80	1102.25	24.29	1077.96
AMW-8	50.40	1186.23	41.59	1144.64
AMW-9	41.69	1162.64	34.45	1128.19
AMW-10	56.81	1180.73	47.92	1132.81
Phase II, III, and IV Groundwater Locations				
GWA-1	62.85	1187.70	57.02	1130.68
GWA-1A	141.00	1187.49	57.96	1129.53
GWA-2	52.18	1137.30	40.62	1096.68
GWA-3	48.86	1154.53	41.70	1112.83
GWC-2	55.61	1103.64	46.00	1057.64
GWC-3	39.71	1092.39	34.94	1057.45
GWC-3A	68.95	1094.67	33.49	1061.18
GWC-4	49.81	1132.82	45.80	1087.02
GWC-4A	89.23	1132.39	42.22	1090.17
GWC-5	49.91	1084.55	45.91	1038.64
GWC-6	34.52	1064.01	25.42	1038.59

Notes: Depths to water measured June 28, 2024.

Acronyms: ft BTOC = feet below top of casing
ft MSL = feet Mean Sea Level
TOC = top of casing
NA = Not Available

Table 2
Groundwater Elevation Data
Forsyth County - Hightower Road MSWLF



Monitoring Well ID	Total Well Depth (ft BTOC)	TOC Elevation (ft MSL)	Depth to Water Level (ft BTOC)	Groundwater Elevation (ft MSL)
Phase II, III, and IV Groundwater Locations (Continued)				
GWC-7	54.21	1093.44	42.04	1051.40
GWC-8	27.53	1095.63	22.95	1072.68
GWC-8A	46.71	1095.44	21.98	1073.46
GWC-8R	94.67	1098.40	24.87	1073.53
GWC-9	60.50	1093.58	47.77	1045.81
GWC-10	37.51	1068.56	24.18	1044.38
GWC-10A	54.30	1066.45	24.62	1041.83
GWC-11	46.80	1054.08	33.84	1020.24
GWC-12	40.06	1038.06	30.11	1007.95
GWC-12A	49.44	1038.09	31.29	1006.80
GWC-13	44.95	1090.82	32.82	1058.00
GWC-14	28.37	1089.49	25.17	1064.32
GWC-14A	64.75	1089.32	24.64	1064.68
GWC-14R	93.61	1078.60	14.75	1063.85
GWC-15	62.84	1125.68	Obstructed	NA
GWC-16A	51.05	1136.49	49.73	1086.76
GWC-17	21.59	1107.78	14.69	1093.09
GWC-18	52.70	1094.87	42.56	1052.31
GWC-19R	39.87	1105.79	29.07	1076.72
GWC-22	35.05	1079.01	22.78	1056.23
GWC-23	32.22	1079.06	17.99	1061.07
GWC-23A	61.67	1079.10	15.87	1063.23
GWC-24	44.09	1102.32	34.74	1067.58
AMW-1	180.70	1130.04	61.30	1068.74
AMW-2	150.00	1101.96	40.89	1061.07
AMW-3	31.30	1041.09	10.55	1030.54
AMW-4	18.80	1040.09	7.07	1033.02
AMW-5	23.06	1049.32	9.09	1040.23
AMW-11R	58.10	1053.63	10.25	1043.38
AMW-12	19.56	1056.85	10.54	1046.31
AMW-12R	46.43	1056.34	8.63	1047.71
AMW-13	36.18	1093.09	31.02	1062.07
AMW-14	21.70	1052.73	11.56	1041.17

Notes: Depths to water measured June 28, 2024.

Acronyms: ft BTOC = feet below top of casing
ft MSL = feet Mean Sea Level
TOC = top of casing
NA = Not Available

Table 3
Summary of Appendix I/II Organic Compound Detections
Forsyth County - Hightower Road MSWLF



Monitoring Well ID	1,1-DCA (µg/L)	1,1-DCE (µg/L)	Benzene (µg/L)	Chloro benzene (µg/L)	Chloro ethane (µg/L)	cis-1,2-DCE (µg/L)	PCE (µg/L)	TCE (µg/L)	Vinyl Chloride (µg/L)
<i>GWPS</i>	<i>810*</i>	<i>7</i>	<i>5</i>	<i>110*</i>	<i>4.6*</i>	<i>70</i>	<i>5</i>	<i>5</i>	<i>2</i>
Phase I Groundwater Locations									
PH1-GWA-1	--	--	--	--	--	--	--	--	--
PH1-GWA-1A	--	--	--	--	--	--	--	--	--
PH1-GWA-2	--	--	--	--	--	28	--	--	--
PH1-GWA-3A	--	--	--	--	--	--	--	--	--
PH1-GWA-4	--	--	--	--	--	--	--	--	--
PH1-GWB-1	--	--	--	--	--	--	--	--	--
PH1-GWB-2	--	--	--	--	--	--	--	--	--
PH1-GWC-1	--	--	--	--	--	--	--	--	--
PH1-GWC-2	<u>2.5</u>	--	--	--	--	9.6	2.5	3.1	--
PH1-GWC-3	3.9	--	--	--	--	<u>19</u>	7.3	6.3	--
PH1-GWC-3A	2.9	--	--	--	--	22	7.8	6.8	--
PH1-GWC-4	--	--	--	--	--	--	--	--	--
GWC-1	--	--	--	--	--	--	--	--	--
AMW-9	--	--	--	--	--	--	--	--	--
Phase II, III, and IV Groundwater Locations									
GWA-1	--	--	--	--	--	--	--	--	--
GWA-1A	--	--	--	--	--	--	--	--	--
GWA-2	--	--	--	--	--	--	--	--	--
GWA-3	--	--	--	--	--	--	--	--	--
GWC-2	--	--	--	--	--	--	--	--	--
GWC-3	--	--	--	--	--	--	--	--	--
GWC-3A	--	--	--	--	--	--	--	--	--
GWC-4	--	--	--	--	--	--	--	--	--
GWC-4A	--	--	--	--	--	--	--	--	--
GWC-5	--	--	--	--	--	--	--	--	--
GWC-6	--	--	--	--	--	--	--	--	--
GWC-7	--	--	--	--	--	--	--	--	--
GWC-8	--	--	--	--	--	5.0	--	--	--
GWC-8A	2.0	--	2.1	--	--	29	--	--	--

Notes: Groundwater samples collected June 24-27, 2024.
 -- = Below laboratory reporting limit.
 Shaded and bold values indicate concentrations above GWPS.
 * No MCL exists; EPA Region IX PRG referenced as GWPS.
 Underlined concentrations are unverified detections.

Acronyms: µg/L = micrograms per liter
 NA = Not analyzed; not required.
 NE = Not Established
 NS = not sampled/not required
 1,1-DCA = 1,1-Dichloroethane; 1,1-DCE = 1,1-Dichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene;
 PCE = Tetrachloroethene; TCE = Trichloroethene
 GWPS = Groundwater Protection Standard is the EPA Maximum Contaminant Level (MCL), or the EPA Region IX Preliminary Remediation Goals (PRG) if an MCL is not established.

Table 3
Summary of Appendix I/II Organic Compound Detections
Forsyth County - Hightower Road MSWLF



Monitoring Well ID	1,1-DCA (µg/L)	1,1-DCE (µg/L)	Benzene (µg/L)	Chloro benzene (µg/L)	Chloro ethane (µg/L)	cis-1,2-DCE (µg/L)	PCE (µg/L)	TCE (µg/L)	Vinyl Chloride (µg/L)
<i>GWPS</i>	<i>810*</i>	<i>7</i>	<i>5</i>	<i>110*</i>	<i>4.6*</i>	<i>70</i>	<i>5</i>	<i>5</i>	<i>2</i>
Phase II, III, and IV Groundwater Locations (Continued)									
GWC-8R	9.0	--	--	--	--	31	--	--	--
GWC-9	--	--	--	--	--	--	--	--	--
GWC-10	--	--	--	--	--	--	--	--	--
GWC-10A	--	--	--	--	--	--	--	--	--
GWC-11	--	--	--	--	--	--	--	--	--
GWC-12	--	--	--	--	--	--	--	--	--
GWC-12A	--	--	--	--	--	--	--	--	--
GWC-13	--	--	--	--	--	--	--	--	--
GWC-14	--	--	--	--	--	--	--	--	--
GWC-14A	13	--	3.1	14	3.5	57	--	--	27
GWC-14R	12	--	--	--	--	21	--	2.5	--
GWC-15	Refer to surrogate AMW-1								
GWC-16A	<u>3.4</u>	--	<u>4.7</u>	--	--	<u>2.8</u>	--	--	--
GWC-17	--	--	--	--	--	--	--	--	--
GWC-18	--	--	<u>3.8</u>	--	--	17	2.2	--	--
GWC-19R	--	--	--	--	--	2.6	--	--	--
GWC-22	--	--	--	--	--	--	--	--	--
GWC-23	--	--	--	--	--	--	--	--	--
GWC-23A	--	--	--	--	--	--	--	--	--
GWC-24	--	--	--	--	--	--	--	--	--
AMW-1	48	2.1	5.1	--	--	140	52	79	--
AMW-2	--	--	--	--	--	--	--	--	--
AMW-4	--	--	--	--	--	22	3.8	2.4	--
AMW-5	--	--	--	--	--	--	--	--	--
AMW-11R	--	--	--	--	--	--	--	--	--
AMW-12	--	--	--	--	--	--	--	--	--
AMW-12R	2.1	--	--	--	--	2.7	9.2	2.2	--
AMW-13	--	--	--	--	--	--	--	--	--
AMW-14	--	--	--	--	--	--	--	--	--

Notes: Groundwater samples collected June 24-27, 2024.
 -- = Below laboratory reporting limit.
 Shaded and bold values indicate concentrations above GWPS.
 * No MCL exists; EPA Region IX PRG referenced as GWPS.
 Underlined concentrations are unverified detections.

Acronyms: µg/L = micrograms per liter
 NA = Not analyzed; not required.
 NE = Not Established
 NS = not sampled/not required
 1,1-DCA = 1,1-Dichloroethane; 1,1-DCE = 1,1-Dichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene;
 PCE = Tetrachloroethene; TCE = Trichloroethene
 GWPS = Groundwater Protection Standard is the EPA Maximum Contaminant Level (MCL), or the EPA Region IX Preliminary Remediation Goals (PRG) if an MCL is not established.

Table 4
Summary of Appendix I/II Metals Detections
Forsyth County - Hightower Road MSWLF



Monitoring Well ID	Barium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Zinc (mg/L)
GWPS	2	0.1	0.73*	0.1	5**
Phase I Groundwater Locations					
PH1-GWA-1	0.0341	--	0.0771	--	0.0399
PH1-GWA-1A	0.0201	--	--	--	--
PH1-GWA-2	0.0472	--	--	--	--
PH1-GWA-3A	--	--	--	--	--
PH1-GWA-4	--	--	--	--	--
PH1-GWB-1	0.0353	--	--	--	--
PH1-GWB-2	--	--	--	--	0.0284
PH1-GWC-1	0.0358	--	--	--	--
PH1-GWC-2	0.0312	0.0177	--	--	0.0202
PH1-GWC-3	0.0256	--	--	--	--
PH1-GWC-3A	0.0321	--	--	--	0.0269
PH1-GWC-4	--	--	--	--	--
GWC-1	0.0942	--	--	--	--
AMW-9	--	--	--	--	--
Phase II, III, and IV Groundwater Locations					
GWA-1	0.0232	--	--	--	0.0255
GWA-1A	0.0322	--	--	--	--
GWA-2	0.0216	--	--	--	0.0406
GWA-3	--	--	--	--	--
GWC-2	--	--	--	--	--
GWC-3	--	--	--	--	--
GWC-3A	0.0435	--	--	--	0.0687
GWC-4	0.0240	--	--	--	--
GWC-4A	--	--	--	--	--
GWC-5	--	--	--	--	--
GWC-6	--	--	--	--	--
GWC-7	0.0312	--	--	--	0.0219
GWC-8	0.0255	--	--	--	--
GWC-8A	0.0439	--	--	--	--
GWC-8R	not sampled/not required				

Notes: Groundwater samples collected June 24-27, 2024.

Shaded and bold values indicate concentrations above GWPS.

* No MCL exists; EPA Region IX PRG referenced as GWPS.

** Secondary EPA MCL.

Underlined concentrations are unverified detections.

Georgia MCL is used for nickel per 391-3-5-.18(1)(a).

Treatment Technique is used for copper.

Acronyms: mg/L = milligrams per liter

NS = not sampled/not required

GWPS = Groundwater Protection Standard is the EPA Maximum Contaminant Level (MCL), or the EPA Region IX Preliminary Remediation Goals (PRG) if an MCL is not established.

-- = Below laboratory reporting limit.

Table 4
Summary of Appendix I/II Metals Detections
Forsyth County - Hightower Road MSWLF



Monitoring Well ID	Barium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Zinc (mg/L)
GWPS	2	0.1	0.73*	0.1	5**
Phase II, III, and IV Groundwater Locations (Continued)					
GWC-9	0.0625	--	--	--	0.0481
GWC-10	--	--	--	--	0.0484
GWC-10A	0.0333	--	--	--	--
GWC-11	--	--	--	--	--
GWC-12	--	--	--	--	--
GWC-12A	--	--	--	--	--
GWC-13	--	--	--	--	--
GWC-14	0.0397	--	--	--	0.0354
GWC-14A	0.150	--	0.200	--	--
GWC-14R	--	--	--	--	--
GWC-15	obstruction in well; AMW-1 surrogate sampled.				
GWC-16A	well purged dry after VOC collection				
GWC-17	well purged dry after VOC collection				
GWC-18	0.120	--	--	0.0381	--
GWC-19R	0.0997	--	--	--	--
GWC-22	0.0224	--	--	--	--
GWC-23	--	--	--	--	--
GWC-23A	--	--	--	--	--
GWC-24	--	--	--	--	--
AMW-1	0.0746	--	--	--	--
AMW-2	--	--	--	--	--
AMW-4	--	--	--	--	--
AMW-5	--	--	--	--	--
AMW-11R	--	--	--	--	--
AMW-12	--	--	--	--	--
AMW-12R	--	--	--	--	--
AMW-13	--	--	--	--	--
AMW-14	--	--	--	--	--

Notes: Groundwater samples collected June 24-27, 2024.

Shaded and bold values indicate concentrations above GWPS.

* No MCL exists; EPA Region IX PRG referenced as GWPS.

** Secondary EPA MCL.

Underlined concentrations are unverified detections.

Georgia MCL is used for nickel per 391-3-5-.18(1)(a).

Treatment Technique is used for copper.

Acronyms: mg/L = milligrams per liter

NS = not sampled/not required

GWPS = Groundwater Protection Standard is the EPA Maximum Contaminant Level (MCL), or the EPA Region IX Preliminary Remediation Goals (PRG) if an MCL is not established.

-- = Below laboratory reporting limit.

Table 5
Groundwater Flow Rate Calculation
Forsyth County - Hightower Road MSWLF



Equation

$$v = \frac{k (dh/dL)}{P_e}$$

where: v = groundwater velocity
k = hydraulic conductivity
dh/dL = hydraulic gradient
P_e = effective porosity

Values Used in Calculation

Value			Source
k =	1.0	ft/day	see note 1
dh/dL =	0.063	unitless	PH1-GWA-2 to GWC-1
	0.073		GWA-3 to GWC-2
	0.088		GWA-2 to GWC-23
	0.099		GWC-8 to AMW-11R
	0.081		Average
P _e =	0.20	unitless	see note 2

Calculation

$$v = \begin{matrix} 0.40 \text{ ft/day} \\ 148 \text{ ft/yr} \end{matrix}$$

Notes

(1) Site average hydraulic conductivity for GWA-2, GWC-3, GWC-4, & GWC-10 (October 8, 2004 Assessment of Corrective Measures Report hydraulic conductivity range is 0.0295 to 1.21 feet/day.)

Table 6
Summary of Surface Water Detections and Field Parameters
Forsyth County - Hightower Road MSWLF



Location ID	Total Organic Carbon (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Barium (mg/L)	cis-1,2-DCE (µg/L)	TCE (µg/L)
SWA-1	8.62	10.3	1.89	0.0424	NS	NS
SWA-2	2.79	--	1.36	--	NS	NS
SWC-1	4.00	--	4.52	--	--	--
SWC-2	4.44	--	2.72	0.0202	NS	NS
SWC-3	2.95	12.5	1.35	--	NS	NS
SWC-4	3.24	--	2.95	--	--	--
SWC-4A	NS	NS	NS	NS	--	--
SWC-4B	NS	NS	NS	NS	--	--
SWC-5	15.4	--	19.4	0.0506	NS	NS
SWC-6	8.52	--	4.83	0.0540	10	<u>2.7</u>

Location ID	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)
SWA-1	6.32	59	22.6	13.6
SWA-2	6.28	27	23.7	10.6
SWC-1	6.94	101	22.6	3.1
SWC-2	5.50	11	24.9	16.6
SWC-3	5.50	35	23.6	17.3
SWC-4	5.72	48	22.7	11.5
SWC-4A	6.33	28	22.4	19.9
SWC-4B	6.22	28	27.9	19.8
SWC-5	6.71	296	21.9	17.5
SWC-6	6.67	155	21.1	2.9
SWC-7	Point Dry			
SWC-8	Point Dry			
SWC-9	Point Dry			

Notes: Surface water samples collected June 27, 2024.

-- = Below laboratory reporting limit.

Surface water samples are grab samples.

No VOCs detected in SWC-1, SWC-4, SWC-4A, or SWC-4B samples.

Underlined concentrations are unverified detections.

Acronyms: °C = Degrees Celsius

mg/L = milligrams per liter

S.U. = Standard Units

TCE = Trichloroethene

cis-1,2-DCE = cis-1,2-Dichloroethene

µS/cm = microSiemens/centimeter

NTU = Nephelometric Turbidity Units

NS = not sampled/not required

Table 7
Summary of Statistically Significant Increases
Forsyth County - Hightower Road MSWLF



Well ID	Appendix I VOCs								Appendix I Metals				
	1,1-DCA	Benzene	Chloro-benzene	Chloro-ethane	cis-1,2-DCE	PCE	TCE	Vinyl Chloride	Total Barium	Total Chromium	Total Cobalt	Total Nickel	Total Zinc
Phase I Downgradient Groundwater Network Locations													
PH1-GWA-1									X				
PH1-GWA-1A									X				
PH1-GWA-2					X				X				
PH1-GWB-1									X				
PH1-GWB-2													
PH1-GWC-1									X				
PH1-GWC-2	X				X	X	X		X	X	X		
PH1-GWC-3	X				X	X	X		X				
PH1-GWC-3A	X				X	X	X		X				
PH1-GWC-4													
GWC-1									X				
Phase II, III, and IV Downgradient Groundwater Network Locations													
GWA-1A													
GWA-3													
GWC-2													
GWC-3													
GWC-3A													
GWC-4													
GWC-4A													
GWC-5													
GWC-6													
GWC-7													
GWC-8													
GWC-8A		X			X				X				
GWC-8R	X				X								
GWC-9									X				X
GWC-10													
GWC-10A													
GWC-11													
GWC-12													
GWC-12A													
GWC-13													
GWC-14													
GWC-14A	X	X	X	X	X		X		X		X		
GWC-14R	X				X		X						
GWC-15	X	X			X	X	X		X				
GWC-16A									Purged Dry				
GWC-17									Purged Dry				
GWC-18					X	X			X			X	
GWC-19R					X				X				
GWC-22													
GWC-23													
GWC-23A													
GWC-24													

Notes: X = Statistically Significant Increase indicated; AMW series wells not statistically evaluated.
 Shaded cells indicate a statistically significant level (SSL).
 Phase I wells PH1-GWA-3A and PH1-GWA-4 are historically unimpacted and used for upgradient comparison; Phase II-IV wells GWA-1 and GWA-2 are used for upgradient comparison.

Acronyms: 1,1-DCA = 1,1-Dichloroethane PCE = Tetrachloroethene
 cis-1,2-DCE = cis-1,2-Dichloroethene TCE = Trichloroethene

Table 8
Confidence Intervals for Comparing the Mean of the Most Recent
Measurements to an Assessment Monitoring Standard
Forsyth County - Hightower Road MSWLF



Well	Parameter	Dec-22	Jun-23	Dec-23	Jun-24	mean	SD	95% LCL	95% UCL	GWPS	95% LCL > GWPS
PH1-GWC-3	PCE	9.5	8.3	6.3	7.3	7.9	1.4	6.2	9.5	5	Yes
PH1-GWC-3	TCE	9.5	8	1	6.3	6.2	3.7	1.8	10.6	5	No
PH1-GWC-3A	PCE	6.5	2	2.5	7.8	4.7	2.9	1.3	8.1	5	No
PH1-GWC-3A	TCE	8	5.5	7.4	6.8	6.9	1.1	5.7	8.2	5	Yes
GWC-14A	Chloroethane	3.4	2.4	5.5	3.5	3.7	1.3	2.2	5.2	4.6	No
GWC-14A	cis-1,2-DCE	86	54	82	57	69.8	16.6	50.2	89.3	70	No
GWC-14A	Vinyl Chloride	14	16	16	27	18.3	5.9	11.3	25.2	2	Yes
GWC-14R	cis-1,2-DCE	22	20	23	21	21.5	1.3	20.0	23.0	70	No
GWC-14R	TCE	3	2.3	2.6	2.5	2.6	0.3	2.3	2.9	5	No
AMW-1/GWC-15	Benzene	1	1	4.9	5.2	3.0	2.3	0.3	5.8	5	No
AMW-1/GWC-15	cis-1,2-DCE	1	1	170	140	78.0	89.8	-27.6	183.6	70	No
AMW-1/GWC-15	PCE	1	1	11	52	16.3	24.3	-12.3	44.8	5	No
AMW-1/GWC-15	TCE	1	1	88	79	42.3	47.8	-14.0	98.5	5	No

Notes: Reference: D7048 – 16 Standard Guide for Applying Statistical Methods for Assessment and Corrective Action

Environmental Monitoring Programs

Non-detect values are replaced with half the detection limit.

Acronyms: GWPS = groundwater protection standard

PCE = Tetrachloroethene

SD = standard deviation

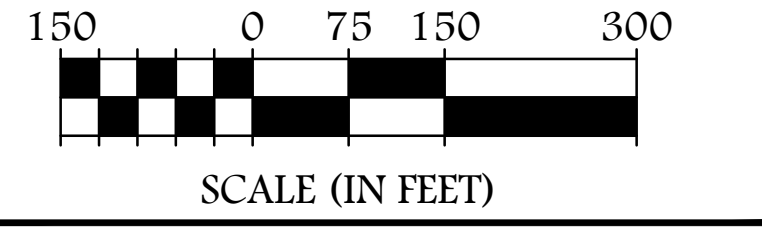
LCL = lower confidence limit

TCE = Trichloroethene

FIGURES



ATLANTIC COAST CONSULTING, INC.
770-594-5998
www.atlcc.net
Roswell, GA
Savannah, GA
Knoxville, TN



LEGEND

EXISTING	DESCRIPTION
850	PROMINENT CONTOUR
---	INTERMEDIATE CONTOUR
---	PROPERTY BOUNDARY
---	APPROXIMATE LIMIT OF WASTE
---	SURFACE WATER/POND
---	GROUNDWATER CONTOUR
---	GROUNDWATER FLOW DIRECTION
● GWA-1 1002.23	GROUNDWATER MONITORING WELL ELEVATION IN FEET MEAN SEA LEVEL
▼ SWA-1	SURFACE WATER MONITORING POINT
□ MM-1	METHANE MONITORING POINT
○ MV-1	METHANE VENT
---	METHANE VENT TRENCH
○ PH1-MV04	EXTRACTION POINT WITH FLARE

NOTES

- SURVEY IS PROVIDED BY APPALACHIAN SURVEYING COMPANY IN CUMMING, GEORGIA DATED JANUARY AND APRIL 1998. CONTROL POINT COORDINATES WERE TAKEN FROM THESE SURVEYS.
- WELL AND PROBE LOCATIONS ARE APPROXIMATE AND BASED ON W.L. JORDEN & CO. DRAWINGS DATED MARCH 3, 1996.
- GWC-3*, GWC-4A*, AND GWC-23A* ARE NOT USED FOR POTENTIOMETRIC CONTOURS.
- POTENTIOMETRIC CONTOUR INTERVAL IS 10 FEET.

REVISIONS

0. INITIAL ISSUE	08/28/2024
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PROJECT



FORSYTH COUNTY
HIGHTOWER ROAD LANDFILL

POTENTIOMETRIC SURFACE MAP
JUNE 2024

Drawn by: MM	Checked by: RW	QC by: CA
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PROJECT NUMBER: G020-113	FIGURE: 1
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SUMMARY OF GROUNDWATER ELEVATION DATA
FORSYTH COUNTY - HIGHTOWER ROAD MSWLF
JUNE 2024 SAMPLING EVENT

MONITORING WELL ID	TOTAL WELL DEPTH (FT BTOC)	TOC ELEVATION (FT MSL)	DEPTH TO WATER LEVEL (FT BTOC)	GROUNDWATER ELEVATION (FT MSL)
PHASE I GROUNDWATER ELEVATION DATA				
PH1-GWA-1	48.66	1176.37	40.88	1135.49
PH1-GWA-1A	108.00	1176.35	41.09	1135.26
PH1-GWA-2	53.60	1183.40	38.49	1144.91
PH1-GWA-3A	250.00	1187.16	38.51	1148.65
PH1-GWA-4	57.00	1191.14	38.78	1152.36
PH1-GWB-1	53.80	1179.10	43.23	1135.87
PH1-GWB-2	42.22	1155.04	27.37	1127.67
PH1-GWC-1	23.79	1074.66	10.42	1064.24
PH1-GWC-2	127.61	1103.93	24.15	1079.78
PH1-GWC-3	23.42	1096.96	12.57	1084.39
PH1-GWC-3A	55.42	1096.28	11.65	1084.63
PH1-GWC-4	33.71	1124.26	30.97	1093.29
GWC-1	38.80	1102.25	24.29	1077.96
AMW-8	50.40	1186.23	41.59	1144.64
AMW-9	41.69	1162.64	34.45	1128.19
AMW-10	56.81	1180.73	47.92	1132.81

PHASE II, III, AND IV GROUNDWATER ELEVATION DATA

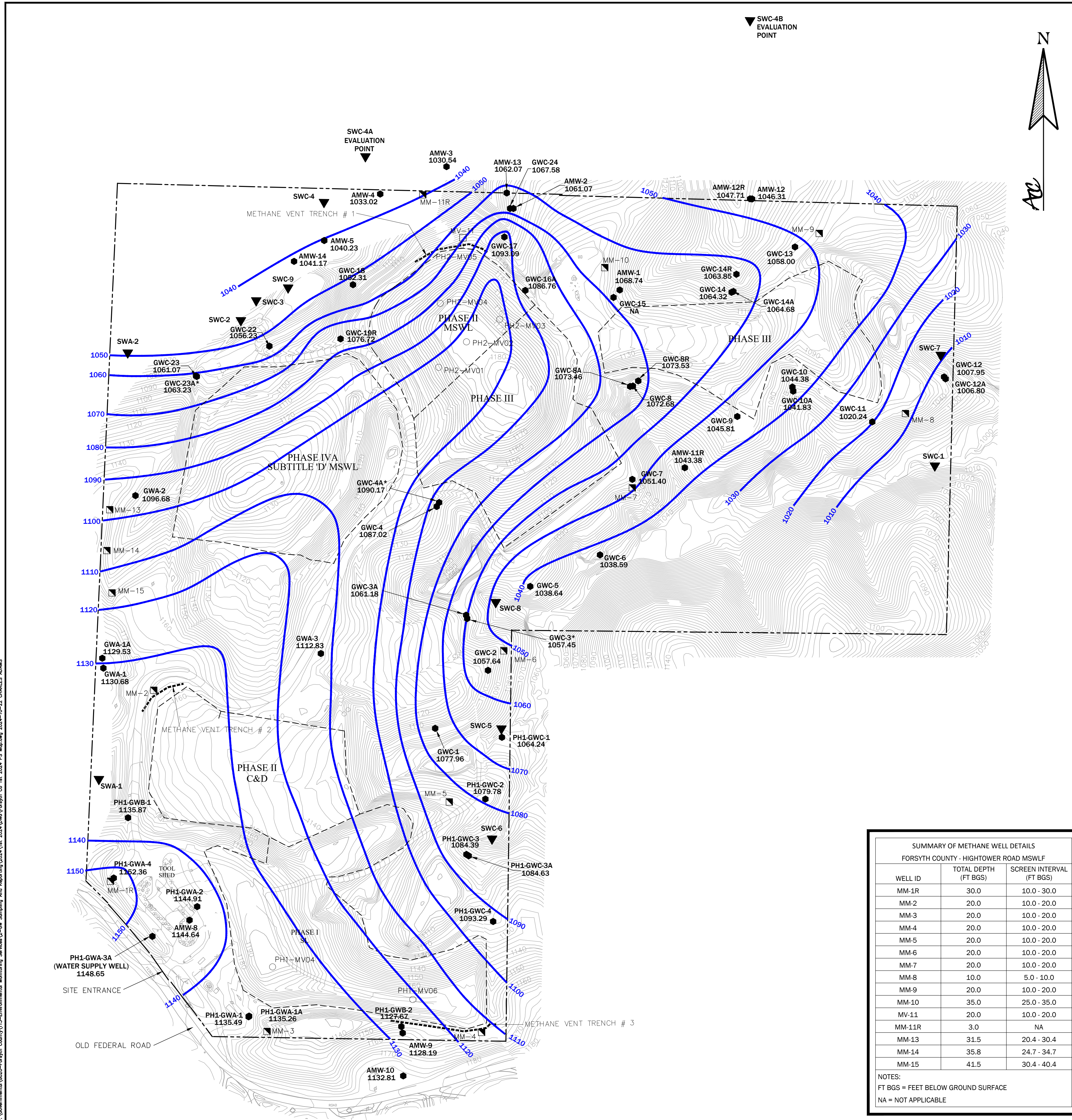
MONITORING WELL ID	TOTAL WELL DEPTH (FT BTOC)	TOC ELEVATION (FT MSL)	DEPTH TO WATER LEVEL (FT BTOC)	GROUNDWATER ELEVATION (FT MSL)
GWA-1	62.85	1187.70	57.02	1130.68
GWA-1A	141.00	1187.49	57.96	1129.53
GWA-2	52.18	1137.30	40.62	1096.68
GWA-3	48.86	1154.53	41.70	1112.83
GWC-2	55.61	1103.64	46.00	1057.64
GWC-3	39.71	1092.39	34.94	1057.45
GWC-3A	68.95	1094.67	33.49	1061.18
GWC-4	49.81	1132.82	45.80	1087.02
GWC-4A	89.23	1132.39	42.22	1090.17
GWC-5	49.91	1084.55	45.91	1038.64
GWC-6	34.52	1064.01	25.42	1038.59
GWC-7	54.21	1093.44	42.04	1051.40
GWC-8	27.53	1095.63	22.95	1072.68
GWC-8A	46.71	1095.44	21.98	1073.46
GWC-8R	94.67	1098.40	24.87	1073.53
GWC-9	60.50	1093.58	47.77	1045.81
GWC-10	37.51	1068.56	24.18	1044.38
GWC-10A	54.30	1066.45	24.62	1041.83
GWC-11	46.80	1054.08	33.84	1020.24
GWC-12	40.06	1038.06	30.11	1007.95
GWC-12A	49.44	1038.09	31.29	1006.80
GWC-13	44.95	1090.82	32.82	1058.00
GWC-14	28.37	1089.49	25.17	1064.32
GWC-14A	64.75	1089.32	24.64	1064.68
GWC-14R	93.61	1078.60	14.75	1063.85
GWC-15	62.84	1125.68	Obstructed	NA
GWC-16A	51.05	1136.49	49.73	1086.76
GWC-17	21.59	1107.78	14.69	1093.09
GWC-18	52.70	1094.87	42.56	1052.31
GWC-19R	39.87	1105.79	29.07	1076.72
GWC-22	35.05	1079.01	22.78	1056.23
GWC-23	32.22	1079.06	17.99	1061.07
GWC-23A	61.67	1079.10	15.87	1063.23
GWC-24	44.09	1102.32	34.74	1067.58
AMW-1	180.70	1130.04	61.30	1068.74
AMW-2	150.00	1101.96	40.89	1061.07
AMW-3	31.30	1041.09	10.55	1030.54
AMW-4	18.80	1040.09	7.07	1033.02
AMW-5	23.06	1049.32	9.09	1040.23
AMW-11R	58.10	1053.63	10.25	1043.38
AMW-12	19.56	1056.85	10.54	1046.31
AMW-12R	46.43	1056.34	8.63	1047.71
AMW-13	36.18	1093.09	31.02	1062.07
AMW-14	21.70	1052.73	11.56	1041.17

NOTES:
DEPTHS TO WATER MEASURED JUNE 28, 2024.
FT BTOC = FEET BELOW TOP OF CASING
FT MSL = FEET MEAN SEA LEVEL
TOC = TOP OF CASING

SUMMARY OF METHANE WELL DETAILS
FORSYTH COUNTY - HIGHTOWER ROAD MSWLF

WELL ID	TOTAL DEPTH (FT BGS)	SCREEN INTERVAL (FT BGS)
MM-1R	30.0	10.0 - 30.0
MM-2	20.0	10.0 - 20.0
MM-3	20.0	10.0 - 20.0
MM-4	20.0	10.0 - 20.0
MM-5	20.0	10.0 - 20.0
MM-6	20.0	10.0 - 20.0
MM-7	20.0	10.0 - 20.0
MM-8	10.0	5.0 - 10.0
MM-9	20.0	10.0 - 20.0
MM-10	35.0	25.0 - 35.0
MV-11	20.0	10.0 - 20.0
MM-11R	3.0	NA
MM-13	31.5	20.4 - 30.4
MM-14	35.8	24.7 - 34.7
MM-15	41.5	30.4 - 40.4

NOTES:
FT BGS = FEET BELOW GROUND SURFACE
NA = NOT APPLICABLE



P:\Governmental\G020-Forsyth County\113-Environmental Monitoring Services\2024\113-2024\PH Map.dwg 2024-10-22 CHARLES ADAMS

APPENDICES

APPENDIX A

Laboratory Analytical Results

July 10, 2024

Charles Adams
Atlantic Coast Consulting, Inc.

1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County-Hightower Road MSWLF

Dear Charles Adams:

Order No: 2406W35

Eurofins Environment Testing Southeast-Atlanta, LLC (EETSE-Atlanta) received 110 samples on June 28, 2024 1:27 pm for the analyses presented in following report.

No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or EETSE-Atlanta established limits.

EETSE-Atlanta accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/23-06/30/24.

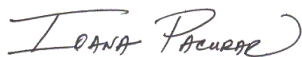
-State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/24 and Total Coliforms/ E. coli, effective 04/25/23-04/24/24.

-AIHA LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/25.

These results relate only to the items tested as received. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,



Ioana Pacurar
Project Manager

Chain of Custody Record

Client Information		Sampler: <i>H. Auld, N. Nance, C. Watts</i>		Lab PM: Ioana Pacurar		Carrier Tracking No(s):		COC No: <i>2406W35</i>															
Client Contact: Charles Adams (cc: Betsy McDaniel)		Phone: <i>770-594-5978</i>		E-Mail: ioana.pacurar@et.eurofinsus.com		State of Origin: <i>GA</i>		Page: <i>1 of 10</i>															
Company: Atlantic Coast Consulting, Inc.		PWSID:		Analysis Requested						Job #:													
Address: 11545 Wills Road, Suite 100		Due Date Requested:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS/MSD (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Appendix I VOC (HCl)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Appendix I VOC (HCl)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Appendix I Metals (HNO3)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Appendix II SVOC/BNA (Ice)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">SW Metals ** (HNO3)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride (Ice)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Cyanide (NaOH)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">COD (H2SO4)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TOC (H2SO4)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Number of containers</td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix I VOC (HCl)	Appendix I VOC (HCl)	Appendix I Metals (HNO3)	Appendix II SVOC/BNA (Ice)	SW Metals ** (HNO3)	Chloride (Ice)	Cyanide (NaOH)	COD (H2SO4)	TOC (H2SO4)	Total Number of containers	Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix I VOC (HCl)	Appendix I VOC (HCl)							Appendix I Metals (HNO3)	Appendix II SVOC/BNA (Ice)	SW Metals ** (HNO3)	Chloride (Ice)	Cyanide (NaOH)	COD (H2SO4)	TOC (H2SO4)	Total Number of containers						
City: Alpharetta		TAT Requested (days):																					
State, Zip: GA, 30009		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																					
Phone: 770-712-9785 (cell); 770-594-5998 (main)		PO #: Purchase Order not required																					
Email: charles.adams@atlcc.net		WO #:																					
Project Name: Forsyth County - Hightower Road MSWLF		Project #: G020-113		Site: SSOW#:		Site: 9480 Old Federal Road, Ballground GA 30107																	
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Special Instructions/Note:													
						Preservation Code:																	
<i>GWC-24</i>		<i>6-26-24</i>		<i>1245</i>		<i>G</i>		<i>W</i>		<i>2</i>													
<i>AMW-2</i>		<i>6-26-24</i>		<i>1430</i>						<i>2</i>													
<i>AMW-13</i>		<i>6-26-24</i>		<i>1245</i>						<i>2</i>													
<i>PHI-GWC-2</i>		<i>6-27-24</i>		<i>0905</i>						<i>3</i>													
<i>PHI-GWA-1</i>		<i>6-27-24</i>		<i>0925</i>						<i>1</i>													
<i>GWC-14R</i>		<i>6-27-24</i>		<i>1010</i>						<i>6</i>													
<i>PHI-GWA-2</i>		<i>6-26-24</i>		<i>1445</i>						<i>2</i>													
<i>SWC-5</i>		<i>6-27-24</i>		<i>1045</i>						<i>6</i>													
<i>SWC-6</i>		<i>6-27-24</i>		<i>1115</i>						<i>8</i>													
<i>SWC-1</i>		<i>6-27-24</i>		<i>1145</i>						<i>8</i>													
<i>PHI-GWC-1</i>		<i>6-27-24</i>		<i>1225</i>						<i>1</i>													
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																	
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements: ** Surface Water Metals: As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg																	
Empty Kit Relinquished by:			Date:			Time:			Method of Shipment:														
Relinquished by: <i>Lisa June</i>			Date/Time: <i>6/28/24 1327</i>			Company: <i>ACE</i>			Received by: <i>Zacgoria Bell</i>														
Relinquished by:			Date/Time:			Company:			Received by:														
Relinquished by:			Date/Time:			Company:			Received by:														
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>1.2/1.1/1.4/1.2/1.2</i>																			

Chain of Custody Record

Client Information		Sampler: <i>H. Auld, N. Nance, C. Watts</i>		Lab PM: Ioana Pacurar		Carrier Tracking No(s):		COC No: <i>2406W35</i>													
Client Contact: Charles Adams (cc: Betsy McDaniel)		Phone: <i>770-594-5998</i>		E-Mail: ioana.pacurar@et.eurofinsus.com		State of Origin: <i>GA</i>		Page: <i>2 of 10</i>													
Company: Atlantic Coast Consulting, Inc.		PWSID:		Analysis Requested						Job #:											
Address: 11545 Wills Road, Suite 100		Due Date Requested:								Preservation Codes:											
City: Alpharetta		TAT Requested (days):		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)											
State, Zip: GA, 30009		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																			
Phone: 770-712-9785 (cell); 770-594-5998 (main)		PO #:		Appendix I VOC (HCl)		Appendix I VOC (HCl)		Appendix I Metals (HNO3)		Appendix II SVOC/BNA (Ice)		SW Metals ** (HNO3)		Chloride (Ice)		Cyanide (NaOH)		COD (H2SO4)		TOC (H2SO4)	
Email: charles.adams@atlcc.net		Purchase Order not required																			
Project Name: Forsyth County - Hightower Road MSWLF		Project #:		Appendix II SVOC/BNA (Ice)		SW Metals ** (HNO3)		Chloride (Ice)		Cyanide (NaOH)		COD (H2SO4)		TOC (H2SO4)		Other:		Special Instructions/Note:			
Site: 9480 Old Federal Road, Ballground GA 30107		SSOW#:																			
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers		Special Instructions/Note:					
<i>GWC-23A</i>		<i>6-25-24</i>		<i>1200</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>2</i>							
<i>AMW-4</i>		<i>6-25-24</i>		<i>1410</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>2</i>							
<i>AMW-5</i>		<i>6-25-24</i>		<i>1445</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>2</i>							
<i>AMW-14</i>		<i>6-25-24</i>		<i>1545</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>2</i>							
<i>AMW-1</i>		<i>6-26-24</i>		<i>1050</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>3</i>		<i>Surrogate to GWC-15</i>					
<i>PHI-GWA-1</i>		<i>6-26-24</i>		<i>1200</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>2</i>							
<i>PHI-GWA-1A</i>		<i>6-26-24</i>		<i>1220</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>3</i>							
<i>Field Blank-1</i>		<i>6-26-24</i>		<i>1210</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>3</i>							
<i>GWC-16A</i>		<i>6-25-24</i>		<i>1515</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>2</i>							
<i>GWA-1A</i>		<i>6-26-24</i>		<i>1335</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>3</i>							
<i>PHI-GWA-2</i>		<i>6-26-24</i>		<i>1445</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<i>✓</i>		<i>2</i>		<i>HA</i>					
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)															
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months															
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements: ** Surface Water Metals: As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg															
Empty Kit Relinquished by:			Date:			Time:			Method of Shipment:												
Relinquished by: <i>Mike Nunn</i>			Date/Time: <i>6/28/24 1327</i>			Company: <i>Ace</i>			Received by: <i>Zachariah Bell</i>												
Relinquished by:			Date/Time:			Company:			Received by:												
Relinquished by:			Date/Time:			Company:			Received by:												
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>1.2/1.1/1.4/1.2/1.2</i>																	

Chain of Custody Record

Client Information		Sampler: <u>H. Auld, N. Nance, C. Watts</u>		Lab PM: <u>Ioana Pacurar</u>		Carrier Tracking No(s):		COC No: <u>2406W35</u>																											
Client Contact: Charles Adams (cc: Betsy McDaniel)		Phone: <u>770-594-5998</u>		E-Mail: <u>ioana.pacurar@et.eurofinsus.com</u>		State of Origin: <u>GA</u>		Page: <u>3 of 10</u>																											
Company: Atlantic Coast Consulting, Inc.		PWSID:		Analysis Requested						Job #:																									
Address: 11545 Wills Road, Suite 100		Due Date Requested:		<table border="1"> <tr> <td rowspan="5">Field Filtered Sample (Yes or No)</td> <td rowspan="5">Perform MS/MSD (Yes or No)</td> <td rowspan="5">Appendix I VOC (HCl)</td> <td rowspan="5">Appendix I VOC (HCl)</td> <td rowspan="5">Appendix I Metals (HNO3)</td> <td rowspan="5">Appendix II SVOC/BNA (Ice)</td> <td rowspan="5">SW Metals ** (HNO3)</td> <td rowspan="5">Chloride (Ice)</td> <td rowspan="5">Cyanide (NaOH)</td> <td rowspan="5">COD (H2SO4)</td> <td rowspan="5">TOC (H2SO4)</td> <td rowspan="5">Total Number of containers</td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix I VOC (HCl)	Appendix I VOC (HCl)	Appendix I Metals (HNO3)	Appendix II SVOC/BNA (Ice)	SW Metals ** (HNO3)	Chloride (Ice)	Cyanide (NaOH)	COD (H2SO4)	TOC (H2SO4)	Total Number of containers	Preservation Codes:													
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix I VOC (HCl)	Appendix I VOC (HCl)																			Appendix I Metals (HNO3)	Appendix II SVOC/BNA (Ice)	SW Metals ** (HNO3)	Chloride (Ice)	Cyanide (NaOH)	COD (H2SO4)	TOC (H2SO4)	Total Number of containers						
																														City: Alpharetta		TAT Requested (days):		A - HCL	M - Hexane
																														State, Zip: GA, 30009		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		B - NaOH	N - None
																														Phone: 770-712-9785 (cell); 770-594-5998 (main)		PO #: Purchase Order not required		C - Zn Acetate	O - AsNaO2
				Email: charles.adams@atlcc.net		WO #:		D - Nitric Acid	P - Na2O4S																										
Project Name: Forsyth County - Hightower Road MSWLF		Project #: G020-113		E - NaHSO4	Q - Na2SO3	F - MeOH	R - Na2S2O3	G - Amchlor	S - H2SO4	H - Ascorbic Acid	T - TSP Dodecahydrate	I - Ice	U - Acetone	J - DI Water	V - MCAA	K - EDTA	W - pH 4-5	L - EDA	Y - Trizma	Z - other (specify)															
Site: 9480 Old Federal Road, Ballground GA 30107		SSOW#:		Other:						Special Instructions/Note:																									
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Appendix I VOC (HCl)		Appendix I Metals (HNO3)		Appendix II SVOC/BNA (Ice)		SW Metals ** (HNO3)		Chloride (Ice)		Cyanide (NaOH)		COD (H2SO4)		TOC (H2SO4)		Total Number of containers		Special Instructions/Note:			
						Preservation Code:																													
AMW-12R		6-25-24		1405		G		W		NN		✓		HA		G-27-24														2					
AMW-12		6-25-24		1425		G		W		NN		✓		HA		G-27-24														2					
GWC-1		6-25-24		1310		G		W		NN		✓																		2					
GWA-3		6-24-24		1635		G		W		NN		✓																		2					
GWA-3		6-25-24		0915		G		W		NN				✓																1					
GWC-2		6-25-24		1255		G		W		NN		✓																		2					
GWC-3		6-25-24		1055		G		W		NN		✓																		2					
GWC-3A		6-25-24		1120		G		W		NN		✓																		2					
GWC-4		6-24-24		1310		G		W		NN		✓																		2					
GWC-4A		6-24-24		1435		G		W		NN		✓																		2					
GWC-5		6-24-24		1455		G		W		NN		✓																		2					
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																														
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																														
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:																														
					** Surface Water Metals: As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg																														
Empty Kit Relinquished by:			Date:			Time:			Method of Shipment:																										
Relinquished by: <u>[Signature]</u>			Date/Time: <u>6/28/24 1327</u>			Company: <u>Acc</u>			Received by: <u>[Signature]</u>			Date/Time: <u>06 28 24 13 27</u>			Company: <u>Eurofins</u>																				
Relinquished by:			Date/Time:			Company:			Received by:			Date/Time:			Company:																				
Relinquished by:			Date/Time:			Company:			Received by:			Date/Time:			Company:																				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:																																	

Chain of Custody Record

Client Information		Sampler: <i>K. Auld, N. Nance, C. Watts</i>		Lab PM: <i>Ioana Pacurar</i>		Carrier Tracking No(s):		COC No: <i>2406W35</i>																											
Client Contact: Charles Adams (cc: Betsy McDaniel)		Phone: <i>770-594-5998</i>		E-Mail: ioana.pacurar@et.eurofinsus.com		State of Origin: <i>GA</i>		Page: <i>4 of 10</i>																											
Company: Atlantic Coast Consulting, Inc.		PWSID:		Analysis Requested						Job #:																									
Address: 11545 Wills Road, Suite 100		Due Date Requested:		Field Filtered Sample (Yes or No)		Perform IMS/MSD (Yes or No)		Appendix I VOC (HCl)		Appendix I VOC (HCl)		Appendix I Metals (HNO3)		Appendix II SVOC/BNA (Ice)		SW Metals ** (HNO3)		Chloride (Ice)		Cyanide (NaOH)		COD (H2SO4)		TOC (H2SO4)		Total Number of containers		Preservation Codes:							
City: Alpharetta		TAT Requested (days):																										M - Hexane							
State, Zip: GA, 30009		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																										N - None							
Phone: 770-712-9785 (cell); 770-594-5998 (main)		PO #: Purchase Order not required																										O - AsNaO2							
Email: charles.adams@atlcc.net		WO #:																										P - Na2O4S							
Project Name: Forsyth County - Hightower Road MSWLF		Project #: G020-113		Q - Na2SO3		R - Na2S2O3		S - H2SO4		T - TSP Dodecahydrate		U - Acetone		V - MCAA		W - pH 4-5		Y - Trizma		Z - other (specify)															
Site: 9480 Old Federal Road, Ballground GA 30107		SSOW#:		Other:																															
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform IMS/MSD (Yes or No)		Appendix I VOC (HCl)		Appendix I VOC (HCl)		Appendix I Metals (HNO3)		Appendix II SVOC/BNA (Ice)		SW Metals ** (HNO3)		Chloride (Ice)		Cyanide (NaOH)		COD (H2SO4)		TOC (H2SO4)		Total Number of containers		Special Instructions/Note:	
						Preservation Code:																													
<i>GWC-6</i>		<i>6-24-24</i>		<i>1525</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<input checked="" type="checkbox"/>																				<i>*All dates end in 2024 (HA)</i>			
<i>GWC-7</i>		<i>6-24-24</i>		<i>1600</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<input checked="" type="checkbox"/>																							
<i>GWC-4</i>		<i>6-25-24</i>		<i>0925</i>		<i>G</i>		<i>W</i>		<i>NN</i>				<input checked="" type="checkbox"/>																					
<i>GWC-4A</i>		<i>6-25-24</i>		<i>0930</i>		<i>G</i>		<i>W</i>		<i>NN</i>				<input checked="" type="checkbox"/>																					
<i>GWC-5</i>		<i>6-25-24</i>		<i>0945</i>		<i>G</i>		<i>W</i>		<i>NN</i>				<input checked="" type="checkbox"/>																					
<i>GWC-6</i>		<i>6-25-24</i>		<i>0955</i>		<i>G</i>		<i>W</i>		<i>NN</i>				<input checked="" type="checkbox"/>																					
<i>GWC-7</i>		<i>6-25-24</i>		<i>1000</i>		<i>G</i>		<i>W</i>		<i>NN</i>				<input checked="" type="checkbox"/>																					
<i>GWC-9</i>		<i>6-25-24</i>		<i>1540</i>		<i>G</i>		<i>W</i>		<i>NN</i>		<input checked="" type="checkbox"/>																							
<i>GWC-11</i>		<i>6-26-24</i>		<i>0800</i>		<i>G</i>		<i>W</i>		<i>NN</i>				<input checked="" type="checkbox"/>																					
<i>PHI-GWC-4</i>		<i>6-26-24</i>		<i>0855</i>		<i>G</i>		<i>W</i>		<i>NN</i>				<input checked="" type="checkbox"/>																					
<i>PHI-GWC-3</i>		<i>6-26-24</i>		<i>0845</i>		<i>G</i>		<i>W</i>		<i>NN</i>				<input checked="" type="checkbox"/>																					
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																													
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements: ** Surface Water Metals: As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg																													
Empty Kit Relinquished by:			Date:			Time:			Method of Shipment:																										
Relinquished by: <i>[Signature]</i>			Date/Time: <i>6/28/24 1327</i>			Company: <i>ACC</i>			Received by: <i>[Signature]</i>			Date/Time: <i>062824 1327</i>			Company: <i>Eurofins</i>																				
Relinquished by:			Date/Time:			Company:			Received by:			Date/Time:			Company:																				
Relinquished by:			Date/Time:			Company:			Received by:			Date/Time:			Company:																				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:																													

Chain of Custody Record

Client Information		Sampler: <u>H. Auld, N. Nance, C. Watts</u>		Lab PM: <u>Ioana Pacurar</u>		Carrier Tracking No(s):		COC No: <u>2406035</u>															
Client Contact: Charles Adams (cc: Betsy McDaniel)		Phone: <u>770-594-5998</u>		E-Mail: <u>ioana.pacurar@et.eurofinsus.com</u>		State of Origin: <u>GA</u>		Page: <u>6 of 10</u>															
Company: Atlantic Coast Consulting, Inc.		PWSID:		Analysis Requested						Job #:													
Address: 11545 Wills Road, Suite 100		Due Date Requested:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS/MSD (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Appendix II VOC (HCl)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Appendix I VOC (HCl)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Appendix I Metals (HNO3)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Appendix II SVOC/BNA (Ice)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">SW Metals ** (HNO3)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride (Ice)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Cyanide (NaOH)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">COD (H2SO4)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TOC (H2SO4)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Number of containers</td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix II VOC (HCl)	Appendix I VOC (HCl)	Appendix I Metals (HNO3)	Appendix II SVOC/BNA (Ice)	SW Metals ** (HNO3)	Chloride (Ice)	Cyanide (NaOH)	COD (H2SO4)	TOC (H2SO4)	Total Number of containers	Preservation Codes:	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix II VOC (HCl)	Appendix I VOC (HCl)							Appendix I Metals (HNO3)	Appendix II SVOC/BNA (Ice)	SW Metals ** (HNO3)	Chloride (Ice)	Cyanide (NaOH)	COD (H2SO4)	TOC (H2SO4)	Total Number of containers						
City: Alpharetta		TAT Requested (days):								M - Hexane		N - None		O - AsNaO2		P - Na2O4S							
State, Zip: GA, 30009		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								Q - Na2SO3		R - Na2S2O3		S - H2SO4		T - TSP Dodecahydrate							
Phone: 770-712-9785 (cell); 770-594-5998 (main)		PO #: Purchase Order not required								U - Acetone		V - MCAA		W - pH 4-5		Y - Trizma							
Email: charles.adams@atlcc.net		WO #:		Z - other (specify)		Other:																	
Project Name: Forsyth County - Hightower Road MSWLF		Project #: G020-113																					
Site: 9480 Old Federal Road, Ballground GA 30107		SSOW#:																					
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Special Instructions/Note:													
						Preservation Code:																	
PHI-GWA-4		6-26-24		1100		G		W		2													
PHI-GWB-1		6-26-24		105						2													
PHI-GWB-2		6-26-24		1105						2													
PHI-GWL-1		6-26-24		1340						2													
GWL-1		6-26-24		0850						2 (1)													
AMW-9		6-26-24		1135						2													
GWA-1		6-26-24		1055						2													
GWA-2		6-26-24		1150						2													
GWL-2		6-26-24		0825						2 (1)													
GWL-3		6-26-24		0755						2 (1)													
GWL-3A		6-26-24		0805						2 (1)													
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																	
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements: ** Surface Water Metals: As, Ba, Cd, Cr, Pb, Ni, Ag, Se, Zn, Hg																	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:																	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>6/28/24 1327</u>		Company: <u>ACC</u>		Received by: <u>[Signature]</u>		Date/Time: <u>062824 1327</u>		Company: <u>Eurofins</u>													
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:													
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:													
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:																	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35

Case Narrative

Sample Receiving Non-conformance:

Sample information on the Chain of Custody did not match that on the sample bottle labels for sample(s) as following:

2406W35-020 - GWC-16A: time on COC=3:15pm and time on sample bottle label=4:15pm.

2406W35-027 - GWC-2: time on COC=12:55pm and time on sample bottle label=12:25pm.

2406W35-103 - SWC-2: time on COC=11:40am and time on sample bottle labels=11:10am.

2406W35-104 - SWC-3: time on COC=11:10am and time on sample bottle label=11:40am.

Sample GWC-2 was logged in according to the bottle labels and all other samples were logged in according to the COC information. Furthermore, sample AMW-3 was received but not listed on the Chain of Custody. Sample was placed on hold with no further analysis required at the request of the client.

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-24
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 12:45:00 PM
Lab ID: 2406W35-001	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 19:08	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 19:08	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 19:08	AV
Surr: 4-Bromofluorobenzene	94.7	70-126		%REC	378742	1	06/30/2024 19:08	AV
Surr: Dibromofluoromethane	98.9	77-121		%REC	378742	1	06/30/2024 19:08	AV
Surr: Toluene-d8	96.7	78.6-119		%REC	378742	1	06/30/2024 19:08	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-002

Client Sample ID: AMW-2
Collection Date: 6/26/2024 2:30:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	06/30/2024 19:55	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	06/30/2024 19:55	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
2-Butanone	BRL	100		ug/L	378742	1	06/30/2024 19:55	AV
2-Hexanone	BRL	50		ug/L	378742	1	06/30/2024 19:55	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	06/30/2024 19:55	AV
Acetone	BRL	100		ug/L	378742	1	06/30/2024 19:55	AV
Acetonitrile	BRL	200		ug/L	378742	1	06/30/2024 19:55	AV
Acrolein	BRL	50		ug/L	378742	1	06/30/2024 19:55	AV
Acrylonitrile	BRL	50		ug/L	378742	1	06/30/2024 19:55	AV
Allyl Chloride	BRL	100		ug/L	378742	1	06/30/2024 19:55	AV
Benzene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
Bromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Bromoform	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Bromomethane	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	06/30/2024 19:55	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
Chlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Chloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
Chloroform	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
Chloromethane	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Chloroprene	BRL	20		ug/L	378742	1	06/30/2024 19:55	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Dibromomethane	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-002

Client Sample ID: AMW-2
Collection Date: 6/26/2024 2:30:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
Iodomethane	BRL	100		ug/L	378742	1	06/30/2024 19:55	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	06/30/2024 19:55	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	06/30/2024 19:55	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	06/30/2024 19:55	AV
Naphthalene	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Propionitrile	BRL	100		ug/L	378742	1	06/30/2024 19:55	AV
Styrene	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
Toluene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	06/30/2024 19:55	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	06/30/2024 19:55	AV
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 19:55	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 19:55	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 19:55	AV
Surr: 4-Bromofluorobenzene	96.6	70-126		%REC	378742	1	06/30/2024 19:55	AV
Surr: 4-Bromofluorobenzene	102	70-126		%REC	378742	1	06/30/2024 19:55	AV
Surr: Dibromofluoromethane	104	77-121		%REC	378742	1	06/30/2024 19:55	AV
Surr: Dibromofluoromethane	113	77-121		%REC	378742	1	06/30/2024 19:55	AV
Surr: Toluene-d8	100	78.6-119		%REC	378742	1	06/30/2024 19:55	AV
Surr: Toluene-d8	109	78.6-119		%REC	378742	1	06/30/2024 19:55	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-13
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 12:45:00 PM
Lab ID: 2406W35-003	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	06/30/2024 20:42	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	06/30/2024 20:42	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
2-Butanone	BRL	100		ug/L	378742	1	06/30/2024 20:42	AV
2-Hexanone	BRL	50		ug/L	378742	1	06/30/2024 20:42	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	06/30/2024 20:42	AV
Acetone	BRL	100		ug/L	378742	1	06/30/2024 20:42	AV
Acetonitrile	BRL	200		ug/L	378742	1	06/30/2024 20:42	AV
Acrolein	BRL	50		ug/L	378742	1	06/30/2024 20:42	AV
Acrylonitrile	BRL	50		ug/L	378742	1	06/30/2024 20:42	AV
Allyl Chloride	BRL	100		ug/L	378742	1	06/30/2024 20:42	AV
Benzene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
Bromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Bromoform	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Bromomethane	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	06/30/2024 20:42	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
Chlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Chloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
Chloroform	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
Chloromethane	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Chloroprene	BRL	20		ug/L	378742	1	06/30/2024 20:42	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Dibromomethane	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-13
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 12:45:00 PM
Lab ID: 2406W35-003	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
Iodomethane	BRL	100		ug/L	378742	1	06/30/2024 20:42	AV
iso-Butyaldehyde	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	06/30/2024 20:42	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	06/30/2024 20:42	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	06/30/2024 20:42	AV
n-Hexane	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Naphthalene	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Pentachloroethane	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Propionitrile	BRL	100		ug/L	378742	1	06/30/2024 20:42	AV
Styrene	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
Tetrahydrofuran	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Toluene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	06/30/2024 20:42	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	06/30/2024 20:42	AV
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 20:42	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 20:42	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 20:42	AV
Surr: 4-Bromofluorobenzene	98.4	70-126		%REC	378742	1	06/30/2024 20:42	AV
Surr: 4-Bromofluorobenzene	104	70-126		%REC	378742	1	06/30/2024 20:42	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378742	1	06/30/2024 20:42	AV
Surr: Dibromofluoromethane	111	77-121		%REC	378742	1	06/30/2024 20:42	AV
Surr: Toluene-d8	97.6	78.6-119		%REC	378742	1	06/30/2024 20:42	AV
Surr: Toluene-d8	106	78.6-119		%REC	378742	1	06/30/2024 20:42	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-004

Client Sample ID: PH1-GWC-2
Collection Date: 6/27/2024 9:05:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,1-Dichloroethane	2.5	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	06/30/2024 21:06	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	06/30/2024 21:06	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
2-Butanone	BRL	100		ug/L	378742	1	06/30/2024 21:06	AV
2-Hexanone	BRL	50		ug/L	378742	1	06/30/2024 21:06	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	06/30/2024 21:06	AV
Acetone	BRL	100		ug/L	378742	1	06/30/2024 21:06	AV
Acetonitrile	BRL	200		ug/L	378742	1	06/30/2024 21:06	AV
Acrolein	BRL	50		ug/L	378742	1	06/30/2024 21:06	AV
Acrylonitrile	BRL	50		ug/L	378742	1	06/30/2024 21:06	AV
Allyl Chloride	BRL	100		ug/L	378742	1	06/30/2024 21:06	AV
Benzene	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
Bromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Bromoform	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Bromomethane	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	06/30/2024 21:06	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
Chlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Chloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
Chloroform	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
Chloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Chloroprene	BRL	20		ug/L	378742	1	06/30/2024 21:06	AV
cis-1,2-Dichloroethene	9.6	2.0		ug/L	378742	1	06/30/2024 21:06	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Dibromomethane	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 9:05:00 AM
Lab ID: 2406W35-004	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
Iodomethane	BRL	100		ug/L	378742	1	06/30/2024 21:06	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	06/30/2024 21:06	AV
Isopropyl alcohol	BRL	100		ug/L	378742	1	06/30/2024 21:06	AV
Methyl formate	BRL	100		ug/L	378742	1	06/30/2024 21:06	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	06/30/2024 21:06	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	06/30/2024 21:06	AV
n-Hexane	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Naphthalene	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Pentachloroethane	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Propionitrile	BRL	100		ug/L	378742	1	06/30/2024 21:06	AV
Styrene	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Tetrachloroethene	2.5	2.0		ug/L	378742	1	06/30/2024 21:06	AV
Tetrahydrofuran	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Toluene	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	06/30/2024 21:06	AV
Trichloroethene	3.1	2.0		ug/L	378742	1	06/30/2024 21:06	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	06/30/2024 21:06	AV
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 21:06	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 21:06	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 21:06	AV
Surr: 4-Bromofluorobenzene	95.1	70-126		%REC	378742	1	06/30/2024 21:06	AV
Surr: 4-Bromofluorobenzene	101	70-126		%REC	378742	1	06/30/2024 21:06	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378742	1	06/30/2024 21:06	AV
Surr: Dibromofluoromethane	111	77-121		%REC	378742	1	06/30/2024 21:06	AV
Surr: Toluene-d8	99.3	78.6-119		%REC	378742	1	06/30/2024 21:06	AV
Surr: Toluene-d8	107	78.6-119		%REC	378742	1	06/30/2024 21:06	AV
APPENDIX I METALS		SW6020B			(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 04:53	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 04:53	IF
Barium	0.0312	0.0200		mg/L	378740	1	07/04/2024 04:53	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 04:53	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 04:53	IF
Chromium	0.0177	0.0100		mg/L	378740	1	07/04/2024 04:53	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 04:53	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 04:53	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 04:53	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 04:53	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 04:53	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 04:53	IF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-004

Client Sample ID: PH1-GWC-2
Collection Date: 6/27/2024 9:05:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 04:53	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 04:53	IF
Zinc	0.0202	0.0200		mg/L	378740	1	07/04/2024 04:53	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-005

Client Sample ID: PH1-GWA-1
Collection Date: 6/27/2024 9:25:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 05:12	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 05:12	IF
Barium	0.0341	0.0200		mg/L	378740	1	07/04/2024 05:12	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 05:12	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 05:12	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:12	IF
Cobalt	0.0771	0.0400		mg/L	378740	1	07/04/2024 05:12	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 05:12	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 05:12	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 05:12	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:12	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 05:12	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 05:12	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 05:12	IF
Zinc	0.0399	0.0200		mg/L	378740	1	07/04/2024 05:12	IF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-14R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 10:10:00 AM
Lab ID: 2406W35-006	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D				(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,1-Dichloroethane	12	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	06/30/2024 21:29	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	06/30/2024 21:29	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
2-Butanone	BRL	100		ug/L	378742	1	06/30/2024 21:29	AV
2-Hexanone	BRL	50		ug/L	378742	1	06/30/2024 21:29	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	06/30/2024 21:29	AV
Acetone	BRL	100		ug/L	378742	1	06/30/2024 21:29	AV
Acetonitrile	BRL	200		ug/L	378742	1	06/30/2024 21:29	AV
Acrolein	BRL	50		ug/L	378742	1	06/30/2024 21:29	AV
Acrylonitrile	BRL	50		ug/L	378742	1	06/30/2024 21:29	AV
Allyl Chloride	BRL	100		ug/L	378742	1	06/30/2024 21:29	AV
Benzene	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
Bromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Bromoform	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Bromomethane	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	06/30/2024 21:29	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
Chlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Chloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
Chloroform	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
Chloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Chloroprene	BRL	20		ug/L	378742	1	06/30/2024 21:29	AV
cis-1,2-Dichloroethene	21	2.0		ug/L	378742	1	06/30/2024 21:29	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Dibromomethane	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-006

Client Sample ID: GWC-14R
Collection Date: 6/27/2024 10:10:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Ethylbenzene	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
Iodomethane	BRL	100		ug/L	378742	1	06/30/2024 21:29	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	06/30/2024 21:29	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	06/30/2024 21:29	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	06/30/2024 21:29	AV
Naphthalene	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Propionitrile	BRL	100		ug/L	378742	1	06/30/2024 21:29	AV
Styrene	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
Toluene	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	06/30/2024 21:29	AV
Trichloroethene	2.5	2.0		ug/L	378742	1	06/30/2024 21:29	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	06/30/2024 21:29	AV
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 21:29	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 21:29	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 21:29	AV
Surr: 4-Bromofluorobenzene	98.5	70-126		%REC	378742	1	06/30/2024 21:29	AV
Surr: 4-Bromofluorobenzene	104	70-126		%REC	378742	1	06/30/2024 21:29	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378742	1	06/30/2024 21:29	AV
Surr: Dibromofluoromethane	111	77-121		%REC	378742	1	06/30/2024 21:29	AV
Surr: Toluene-d8	98.8	78.6-119		%REC	378742	1	06/30/2024 21:29	AV
Surr: Toluene-d8	107	78.6-119		%REC	378742	1	06/30/2024 21:29	AV
SIM Semivolatile Organics by SW8270E		(SW3510C)						
Hexachlorobenzene	BRL	1.0		ug/L	378756	1	07/03/2024 03:40	DS
Surr: 4-Terphenyl-d14	125	64.1-135		%REC	378756	1	07/03/2024 03:40	DS
SIM Polynuclear Aromatic Hydrocarbons SW8270E		(SW3510C)						
Benzo(a)pyrene	BRL	0.20		ug/L	378756	1	07/03/2024 03:40	DS
Surr: 4-Terphenyl-d14	125	64.1-135		%REC	378756	1	07/03/2024 03:40	DS
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	378658	1	07/03/2024 04:54	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	378658	1	07/03/2024 04:54	YH
4-Nitroquinoline,1-oxide	BRL	6.4		ug/L	378658	1	07/03/2024 04:54	YH
Aramite	BRL	3.6		ug/L	378658	1	07/03/2024 04:54	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	378658	1	07/03/2024 04:54	YH
N-Nitrosomorpholine	BRL	2.6		ug/L	378658	1	07/03/2024 04:54	YH
Tetraethyl dithiopyrophosphate	BRL	3.8		ug/L	378658	1	07/03/2024 04:54	YH
Surr: 2,4,6-Tribromophenol	101	53.4-132		%REC	378658	1	07/03/2024 04:54	YH
Surr: 2-Fluorobiphenyl	96.4	48-126		%REC	378658	1	07/03/2024 04:54	YH

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-14R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 10:10:00 AM
Lab ID: 2406W35-006	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
Surr: 2-Fluorophenol	53.6	29.3-120		%REC	378658	1	07/03/2024 04:54	YH
Surr: 4-Terphenyl-d14	92.5	48.1-130		%REC	378658	1	07/03/2024 04:54	YH
Surr: Nitrobenzene-d5	92.3	41.1-129		%REC	378658	1	07/03/2024 04:54	YH
Surr: Phenol-d5	36	20.7-120		%REC	378658	1	07/03/2024 04:54	YH
APPENDIXII-SEMIVOLATILE ORGANICS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
1,3-Dinitrobenzene	BRL	20		ug/L	378658	1	07/08/2024 14:44	NH
1,4-Napthoquinone	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
1-Naphthylamine	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2,4,5-Trichlorophenol	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2,4-Dichlorophenol	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2,4-Dimethylphenol	BRL	50		ug/L	378658	1	07/03/2024 16:05	YH
2,4-Dinitrophenol	BRL	50		ug/L	378658	1	07/03/2024 16:05	YH
2,4-Dinitrotoluene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2,6-Dichlorophenol	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2,6-Dinitrotoluene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2-Acetylaminofluorene	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
2-Chloronaphthalene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2-Chlorophenol	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2-Methylnaphthalene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2-Methylphenol	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2-Naphthylamine	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
2-Nitroaniline	BRL	50		ug/L	378658	1	07/03/2024 16:05	YH
2-Nitrophenol	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
3,3'-Dichlorobenzidine	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
3,3'-Dimethylbenzidine	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
3,4-Methylphenol	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
3-Methylcholanthrene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
3-Nitroaniline	BRL	50		ug/L	378658	1	07/03/2024 16:05	YH
4,6-Dinitro-2-methylphenol	BRL	50		ug/L	378658	1	07/03/2024 16:05	YH
4-Aminobiphenyl	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
4-Chloro-3-methylphenol	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
4-Chloroaniline	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
4-Nitroaniline	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
4-Nitrophenol	BRL	50		ug/L	378658	1	07/03/2024 16:05	YH
5-Nitro-o-toluidine	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
7,12-Dimethylbenz(a)anthracene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
Acenaphthene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
Acenaphthylene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-14R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 10:10:00 AM
Lab ID: 2406W35-006	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIXII-SEMIVOLATILE ORGANICS		SW8270E			(SW3510C)			
N-Nitrosopiperidine	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
N-Nitrosopyrrolidine	BRL	40		ug/L	378658	1	07/03/2024 16:05	YH
Nitrobenzene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
O,O,O-Triethylphosphorothioate	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
o-Toluidine	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
p-Dimethylaminoazobenzene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
p-Phenylenediamine	BRL	500		ug/L	378658	1	07/03/2024 16:05	YH
Parathion	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
Pentachlorobenzene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
Pentachloronitrobenzene	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
Phenacetin	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
Phenanthrene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
Phenol	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
Phorate	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
Pronamide	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
Pyrene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
Safrole	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
Sym-Trinitrobenzene	BRL	10		ug/L	378658	1	07/03/2024 16:05	YH
Thionazin	BRL	20		ug/L	378658	1	07/03/2024 16:05	YH
Surr: 2,4,6-Tribromophenol	104	53.4-132		%REC	378658	1	07/03/2024 16:05	YH
Surr: 2-Fluorobiphenyl	95.4	48-126		%REC	378658	1	07/03/2024 16:05	YH
Surr: 2-Fluorophenol	52.4	29.3-120		%REC	378658	1	07/03/2024 16:05	YH
Surr: 4-Terphenyl-d14	92.1	48.1-130		%REC	378658	1	07/03/2024 16:05	YH
Surr: Nitrobenzene-d5	90.6	41.1-129		%REC	378658	1	07/03/2024 16:05	YH
Surr: Phenol-d5	35.2	20.7-120		%REC	378658	1	07/03/2024 16:05	YH

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-007

Client Sample ID: PH1-GWA-2
Collection Date: 6/26/2024 2:45:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	06/30/2024 21:53	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	06/30/2024 21:53	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
2-Butanone	BRL	100		ug/L	378742	1	06/30/2024 21:53	AV
2-Hexanone	BRL	50		ug/L	378742	1	06/30/2024 21:53	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	06/30/2024 21:53	AV
Acetone	BRL	100		ug/L	378742	1	06/30/2024 21:53	AV
Acetonitrile	BRL	200		ug/L	378742	1	06/30/2024 21:53	AV
Acrolein	BRL	50		ug/L	378742	1	06/30/2024 21:53	AV
Acrylonitrile	BRL	50		ug/L	378742	1	06/30/2024 21:53	AV
Allyl Chloride	BRL	100		ug/L	378742	1	06/30/2024 21:53	AV
Benzene	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
Bromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Bromoform	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Bromomethane	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	06/30/2024 21:53	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
Chlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Chloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
Chloroform	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
Chloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Chloroprene	BRL	20		ug/L	378742	1	06/30/2024 21:53	AV
cis-1,2-Dichloroethene	28	2.0		ug/L	378742	1	06/30/2024 21:53	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Dibromomethane	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-007

Client Sample ID: PH1-GWA-2
Collection Date: 6/26/2024 2:45:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
Iodomethane	BRL	100		ug/L	378742	1	06/30/2024 21:53	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	06/30/2024 21:53	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	06/30/2024 21:53	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	06/30/2024 21:53	AV
Naphthalene	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Propionitrile	BRL	100		ug/L	378742	1	06/30/2024 21:53	AV
Styrene	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
Toluene	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	06/30/2024 21:53	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	06/30/2024 21:53	AV
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 21:53	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 21:53	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 21:53	AV
Surr: 4-Bromofluorobenzene	95.2	70-126		%REC	378742	1	06/30/2024 21:53	AV
Surr: 4-Bromofluorobenzene	101	70-126		%REC	378742	1	06/30/2024 21:53	AV
Surr: Dibromofluoromethane	103	77-121		%REC	378742	1	06/30/2024 21:53	AV
Surr: Dibromofluoromethane	112	77-121		%REC	378742	1	06/30/2024 21:53	AV
Surr: Toluene-d8	99	78.6-119		%REC	378742	1	06/30/2024 21:53	AV
Surr: Toluene-d8	107	78.6-119		%REC	378742	1	06/30/2024 21:53	AV

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-5
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 10:45:00 AM
Lab ID: 2406W35-008	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B-2014								
Organic Carbon, Total	15.4	1.00		mg/L	R548970	1	07/04/2024 05:39	AY
Total Cyanide SM4500 CN-C, E-2016 (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	378757	1	07/02/2024 14:58	JO
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	378836	1	07/06/2024 20:57	SK
Inorganic Anions by IC E300.0								
Chloride	19.4	1.00		mg/L	R548907	1	07/02/2024 11:56	MS
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R548889	1	07/02/2024 15:04	G
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	378764	1	07/03/2024 14:41	RR
Barium	0.0506	0.0200		mg/L	378764	1	07/03/2024 14:41	RR
Cadmium	BRL	0.0050		mg/L	378764	1	07/03/2024 14:41	RR
Chromium	BRL	0.0100		mg/L	378764	1	07/03/2024 14:41	RR
Lead	BRL	0.0100		mg/L	378764	1	07/03/2024 14:41	RR
Nickel	BRL	0.0200		mg/L	378764	1	07/03/2024 14:41	RR
Selenium	BRL	0.0200		mg/L	378764	1	07/03/2024 14:41	RR
Silver	BRL	0.0100		mg/L	378764	1	07/03/2024 14:41	RR
Zinc	BRL	0.0200		mg/L	378764	1	07/03/2024 14:41	RR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-009

Client Sample ID: SWC-6
Collection Date: 6/27/2024 11:15:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B-2014								
Organic Carbon, Total	8.52	1.00		mg/L	R548970	1	07/04/2024 06:13	AY
Total Cyanide SM4500 CN-C, E-2016 (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	378757	1	07/02/2024 15:32	JO
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	378836	1	07/06/2024 21:36	SK
Inorganic Anions by IC E300.0								
Chloride	4.83	1.00		mg/L	R548907	1	07/02/2024 12:07	MS
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R548889	1	07/02/2024 15:04	G
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/29/2024 21:44	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/29/2024 21:44	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
2-Butanone	BRL	100		ug/L	378735	1	06/29/2024 21:44	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/29/2024 21:44	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/29/2024 21:44	AV
Acetone	BRL	100		ug/L	378735	1	06/29/2024 21:44	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/29/2024 21:44	AV
Benzene	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
Bromoform	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
Bromomethane	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/29/2024 21:44	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
Chloromethane	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-009

Client Sample ID: SWC-6
Collection Date: 6/27/2024 11:15:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
cis-1,2-Dichloroethene	10	2.0		ug/L	378735	1	06/29/2024 21:44	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
Iodomethane	BRL	100		ug/L	378735	1	06/29/2024 21:44	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/29/2024 21:44	AV
Styrene	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
Toluene	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/29/2024 21:44	AV
Trichloroethene	2.7	2.0		ug/L	378735	1	06/29/2024 21:44	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/29/2024 21:44	AV
Vinyl acetate	BRL	100		ug/L	378735	1	06/29/2024 21:44	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/29/2024 21:44	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/29/2024 21:44	AV
Surr: 4-Bromofluorobenzene	95.7	70-126		%REC	378735	1	06/29/2024 21:44	AV
Surr: Dibromofluoromethane	103	77-121		%REC	378735	1	06/29/2024 21:44	AV
Surr: Toluene-d8	99.8	78.6-119		%REC	378735	1	06/29/2024 21:44	AV

METALS, TOTAL SW6010D
(SW3010A)

Arsenic	BRL	0.0500		mg/L	378764	1	07/03/2024 14:44	RR
Barium	0.0540	0.0200		mg/L	378764	1	07/03/2024 14:44	RR
Cadmium	BRL	0.0050		mg/L	378764	1	07/03/2024 14:44	RR
Chromium	BRL	0.0100		mg/L	378764	1	07/03/2024 14:44	RR
Lead	BRL	0.0100		mg/L	378764	1	07/03/2024 14:44	RR
Nickel	BRL	0.0200		mg/L	378764	1	07/03/2024 14:44	RR
Selenium	BRL	0.0200		mg/L	378764	1	07/03/2024 14:44	RR
Silver	BRL	0.0100		mg/L	378764	1	07/03/2024 14:44	RR
Zinc	BRL	0.0200		mg/L	378764	1	07/03/2024 14:44	RR

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 11:45:00 AM
Lab ID: 2406W35-010	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B-2014								
Organic Carbon, Total	4.00	1.00		mg/L	R548970	1	07/04/2024 06:47	AY
Total Cyanide SM4500 CN-C, E-2016 (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	378757	1	07/02/2024 15:27	JO
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	378836	1	07/06/2024 21:40	SK
Inorganic Anions by IC E300.0								
Chloride	4.52	1.00		mg/L	R548907	1	07/02/2024 12:18	MS
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R548889	1	07/02/2024 15:04	G
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/29/2024 22:32	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/29/2024 22:32	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
2-Butanone	BRL	100		ug/L	378735	1	06/29/2024 22:32	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/29/2024 22:32	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/29/2024 22:32	AV
Acetone	BRL	100		ug/L	378735	1	06/29/2024 22:32	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/29/2024 22:32	AV
Benzene	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
Bromoform	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
Bromomethane	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/29/2024 22:32	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
Chloromethane	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 11:45:00 AM
Lab ID: 2406W35-010	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
Iodomethane	BRL	100		ug/L	378735	1	06/29/2024 22:32	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/29/2024 22:32	AV
Styrene	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
Toluene	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/29/2024 22:32	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/29/2024 22:32	AV
Vinyl acetate	BRL	100		ug/L	378735	1	06/29/2024 22:32	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/29/2024 22:32	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/29/2024 22:32	AV
Surr: 4-Bromofluorobenzene	94.8	70-126		%REC	378735	1	06/29/2024 22:32	AV
Surr: Dibromofluoromethane	99.9	77-121		%REC	378735	1	06/29/2024 22:32	AV
Surr: Toluene-d8	98.8	78.6-119		%REC	378735	1	06/29/2024 22:32	AV
METALS, TOTAL SW6010D				(SW3010A)				
Arsenic	BRL	0.0500		mg/L	378764	1	07/03/2024 15:03	RR
Barium	BRL	0.0200		mg/L	378764	1	07/03/2024 15:03	RR
Cadmium	BRL	0.0050		mg/L	378764	1	07/03/2024 15:03	RR
Chromium	BRL	0.0100		mg/L	378764	1	07/03/2024 15:03	RR
Lead	BRL	0.0100		mg/L	378764	1	07/03/2024 15:03	RR
Nickel	BRL	0.0200		mg/L	378764	1	07/03/2024 15:03	RR
Selenium	BRL	0.0200		mg/L	378764	1	07/03/2024 15:03	RR
Silver	BRL	0.0100		mg/L	378764	1	07/03/2024 15:03	RR
Zinc	BRL	0.0200		mg/L	378764	1	07/03/2024 15:03	RR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-011

Client Sample ID: PH1-GWC-1
Collection Date: 6/27/2024 12:25:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 05:16	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 05:16	IF
Barium	0.0358	0.0200		mg/L	378740	1	07/04/2024 05:16	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 05:16	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 05:16	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:16	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 05:16	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 05:16	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 05:16	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 05:16	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:16	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 05:16	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 05:16	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 05:16	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 05:16	IF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-23A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 12:00:00 PM
Lab ID: 2406W35-012	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/29/2024 23:42	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/29/2024 23:42	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
2-Butanone	BRL	100		ug/L	378735	1	06/29/2024 23:42	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/29/2024 23:42	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/29/2024 23:42	AV
Acetone	BRL	100		ug/L	378735	1	06/29/2024 23:42	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/29/2024 23:42	AV
Benzene	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
Bromoform	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
Bromomethane	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/29/2024 23:42	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
Chloromethane	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
Iodomethane	BRL	100		ug/L	378735	1	06/29/2024 23:42	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/29/2024 23:42	AV
Styrene	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
Toluene	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/29/2024 23:42	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/29/2024 23:42	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-23A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 12:00:00 PM
Lab ID: 2406W35-012	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/29/2024 23:42	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/29/2024 23:42	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/29/2024 23:42	AV
Surr: 4-Bromofluorobenzene	98.3	70-126		%REC	378735	1	06/29/2024 23:42	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378735	1	06/29/2024 23:42	AV
Surr: Toluene-d8	97	78.6-119		%REC	378735	1	06/29/2024 23:42	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-013

Client Sample ID: AMW-4
Collection Date: 6/25/2024 2:10:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	06/30/2024 22:17	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	06/30/2024 22:17	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
2-Butanone	BRL	100		ug/L	378742	1	06/30/2024 22:17	AV
2-Hexanone	BRL	50		ug/L	378742	1	06/30/2024 22:17	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	06/30/2024 22:17	AV
Acetone	BRL	100		ug/L	378742	1	06/30/2024 22:17	AV
Acetonitrile	BRL	200		ug/L	378742	1	06/30/2024 22:17	AV
Acrolein	BRL	50		ug/L	378742	1	06/30/2024 22:17	AV
Acrylonitrile	BRL	50		ug/L	378742	1	06/30/2024 22:17	AV
Allyl Chloride	BRL	100		ug/L	378742	1	06/30/2024 22:17	AV
Benzene	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
Bromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Bromoform	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Bromomethane	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	06/30/2024 22:17	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
Chlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Chloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
Chloroform	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
Chloromethane	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Chloroprene	BRL	20		ug/L	378742	1	06/30/2024 22:17	AV
cis-1,2-Dichloroethene	22	2.0		ug/L	378742	1	06/30/2024 22:17	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Dibromomethane	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 2:10:00 PM
Lab ID: 2406W35-013	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
Iodomethane	BRL	100		ug/L	378742	1	06/30/2024 22:17	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	06/30/2024 22:17	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	06/30/2024 22:17	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	06/30/2024 22:17	AV
Naphthalene	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Propionitrile	BRL	100		ug/L	378742	1	06/30/2024 22:17	AV
Styrene	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Tetrachloroethene	3.8	2.0		ug/L	378742	1	06/30/2024 22:17	AV
Toluene	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	06/30/2024 22:17	AV
Trichloroethene	2.4	2.0		ug/L	378742	1	06/30/2024 22:17	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	06/30/2024 22:17	AV
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 22:17	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 22:17	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 22:17	AV
Surr: 4-Bromofluorobenzene	94.6	70-126		%REC	378742	1	06/30/2024 22:17	AV
Surr: 4-Bromofluorobenzene	100	70-126		%REC	378742	1	06/30/2024 22:17	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378742	1	06/30/2024 22:17	AV
Surr: Dibromofluoromethane	111	77-121		%REC	378742	1	06/30/2024 22:17	AV
Surr: Toluene-d8	100	78.6-119		%REC	378742	1	06/30/2024 22:17	AV
Surr: Toluene-d8	109	78.6-119		%REC	378742	1	06/30/2024 22:17	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-5
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 2:45:00 PM
Lab ID: 2406W35-014	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	06/30/2024 22:41	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	06/30/2024 22:41	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
2-Butanone	BRL	100		ug/L	378742	1	06/30/2024 22:41	AV
2-Hexanone	BRL	50		ug/L	378742	1	06/30/2024 22:41	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	06/30/2024 22:41	AV
Acetone	BRL	100		ug/L	378742	1	06/30/2024 22:41	AV
Acetonitrile	BRL	200		ug/L	378742	1	06/30/2024 22:41	AV
Acrolein	BRL	50		ug/L	378742	1	06/30/2024 22:41	AV
Acrylonitrile	BRL	50		ug/L	378742	1	06/30/2024 22:41	AV
Allyl Chloride	BRL	100		ug/L	378742	1	06/30/2024 22:41	AV
Benzene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
Bromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Bromoform	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Bromomethane	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	06/30/2024 22:41	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
Chlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Chloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
Chloroform	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
Chloromethane	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Chloroprene	BRL	20		ug/L	378742	1	06/30/2024 22:41	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Dibromomethane	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-014

Client Sample ID: AMW-5
Collection Date: 6/25/2024 2:45:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
Iodomethane	BRL	100		ug/L	378742	1	06/30/2024 22:41	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	06/30/2024 22:41	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	06/30/2024 22:41	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	06/30/2024 22:41	AV
Naphthalene	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Propionitrile	BRL	100		ug/L	378742	1	06/30/2024 22:41	AV
Styrene	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
Toluene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	06/30/2024 22:41	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	06/30/2024 22:41	AV
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 22:41	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 22:41	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 22:41	AV
Surr: 4-Bromofluorobenzene	96.9	70-126		%REC	378742	1	06/30/2024 22:41	AV
Surr: 4-Bromofluorobenzene	103	70-126		%REC	378742	1	06/30/2024 22:41	AV
Surr: Dibromofluoromethane	103	77-121		%REC	378742	1	06/30/2024 22:41	AV
Surr: Dibromofluoromethane	111	77-121		%REC	378742	1	06/30/2024 22:41	AV
Surr: Toluene-d8	98.1	78.6-119		%REC	378742	1	06/30/2024 22:41	AV
Surr: Toluene-d8	106	78.6-119		%REC	378742	1	06/30/2024 22:41	AV

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-015

Client Sample ID: AMW-14
Collection Date: 6/25/2024 3:45:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	06/30/2024 23:04	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	06/30/2024 23:04	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
2-Butanone	BRL	100		ug/L	378742	1	06/30/2024 23:04	AV
2-Hexanone	BRL	50		ug/L	378742	1	06/30/2024 23:04	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	06/30/2024 23:04	AV
Acetone	BRL	100		ug/L	378742	1	06/30/2024 23:04	AV
Acetonitrile	BRL	200		ug/L	378742	1	06/30/2024 23:04	AV
Acrolein	BRL	50		ug/L	378742	1	06/30/2024 23:04	AV
Acrylonitrile	BRL	50		ug/L	378742	1	06/30/2024 23:04	AV
Allyl Chloride	BRL	100		ug/L	378742	1	06/30/2024 23:04	AV
Benzene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
Bromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Bromoform	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Bromomethane	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	06/30/2024 23:04	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
Chlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Chloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
Chloroform	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
Chloromethane	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Chloroprene	BRL	20		ug/L	378742	1	06/30/2024 23:04	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Dibromomethane	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-14
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 3:45:00 PM
Lab ID: 2406W35-015	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
Iodomethane	BRL	100		ug/L	378742	1	06/30/2024 23:04	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	06/30/2024 23:04	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	06/30/2024 23:04	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	06/30/2024 23:04	AV
Naphthalene	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Propionitrile	BRL	100		ug/L	378742	1	06/30/2024 23:04	AV
Styrene	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
Toluene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	06/30/2024 23:04	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	06/30/2024 23:04	AV
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 23:04	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 23:04	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 23:04	AV
Surr: 4-Bromofluorobenzene	96.3	70-126		%REC	378742	1	06/30/2024 23:04	AV
Surr: 4-Bromofluorobenzene	102	70-126		%REC	378742	1	06/30/2024 23:04	AV
Surr: Dibromofluoromethane	103	77-121		%REC	378742	1	06/30/2024 23:04	AV
Surr: Dibromofluoromethane	112	77-121		%REC	378742	1	06/30/2024 23:04	AV
Surr: Toluene-d8	99.6	78.6-119		%REC	378742	1	06/30/2024 23:04	AV
Surr: Toluene-d8	108	78.6-119		%REC	378742	1	06/30/2024 23:04	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 10:50:00 AM
Lab ID: 2406W35-016	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,1-Dichloroethane	48	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,1-Dichloroethene	2.1	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	06/30/2024 23:28	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	06/30/2024 23:28	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
2-Butanone	BRL	100		ug/L	378742	1	06/30/2024 23:28	AV
2-Hexanone	BRL	50		ug/L	378742	1	06/30/2024 23:28	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	06/30/2024 23:28	AV
Acetone	BRL	100		ug/L	378742	1	06/30/2024 23:28	AV
Acetonitrile	BRL	200		ug/L	378742	1	06/30/2024 23:28	AV
Acrolein	BRL	50		ug/L	378742	1	06/30/2024 23:28	AV
Acrylonitrile	BRL	50		ug/L	378742	1	06/30/2024 23:28	AV
Allyl Chloride	BRL	100		ug/L	378742	1	06/30/2024 23:28	AV
Benzene	5.1	2.0		ug/L	378742	1	06/30/2024 23:28	AV
Bromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Bromoform	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Bromomethane	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	06/30/2024 23:28	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
Chlorobenzene	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Chloroethane	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
Chloroform	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
Chloromethane	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Chloroprene	BRL	20		ug/L	378742	1	06/30/2024 23:28	AV
cis-1,2-Dichloroethene	140	2.0		ug/L	378742	1	06/30/2024 23:28	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Dibromomethane	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 10:50:00 AM
Lab ID: 2406W35-016	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
Iodomethane	BRL	100		ug/L	378742	1	06/30/2024 23:28	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	06/30/2024 23:28	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	06/30/2024 23:28	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	06/30/2024 23:28	AV
Naphthalene	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Propionitrile	BRL	100		ug/L	378742	1	06/30/2024 23:28	AV
Styrene	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Tetrachloroethene	52	2.0		ug/L	378742	1	06/30/2024 23:28	AV
Toluene	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	06/30/2024 23:28	AV
Trichloroethene	79	2.0		ug/L	378742	1	06/30/2024 23:28	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	06/30/2024 23:28	AV
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 23:28	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 23:28	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 23:28	AV
Surr: 4-Bromofluorobenzene	97	70-126		%REC	378742	1	06/30/2024 23:28	AV
Surr: 4-Bromofluorobenzene	103	70-126		%REC	378742	1	06/30/2024 23:28	AV
Surr: Dibromofluoromethane	97.8	77-121		%REC	378742	1	06/30/2024 23:28	AV
Surr: Dibromofluoromethane	106	77-121		%REC	378742	1	06/30/2024 23:28	AV
Surr: Toluene-d8	96	78.6-119		%REC	378742	1	06/30/2024 23:28	AV
Surr: Toluene-d8	104	78.6-119		%REC	378742	1	06/30/2024 23:28	AV
APPENDIX I METALS		SW6020B			(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 05:44	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 05:44	IF
Barium	0.0746	0.0200		mg/L	378740	1	07/04/2024 05:44	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 05:44	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 05:44	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:44	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 05:44	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 05:44	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 05:44	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 05:44	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:44	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 05:44	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 05:44	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 05:44	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 05:44	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWA-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 12:00:00 PM
Lab ID: 2406W35-017	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	06/30/2024 23:52	AV
Iodomethane	BRL	100		ug/L	378742	1	06/30/2024 23:52	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	06/30/2024 23:52	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	06/30/2024 23:52	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	06/30/2024 23:52	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	06/30/2024 23:52	AV
Naphthalene	BRL	10		ug/L	378742	1	06/30/2024 23:52	AV
Propionitrile	BRL	100		ug/L	378742	1	06/30/2024 23:52	AV
Styrene	BRL	10		ug/L	378742	1	06/30/2024 23:52	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 23:52	AV
Toluene	BRL	2.0		ug/L	378742	1	06/30/2024 23:52	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 23:52	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	06/30/2024 23:52	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	06/30/2024 23:52	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	06/30/2024 23:52	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	06/30/2024 23:52	AV
Vinyl acetate	BRL	100		ug/L	378742	1	06/30/2024 23:52	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	06/30/2024 23:52	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	06/30/2024 23:52	AV
Surr: 4-Bromofluorobenzene	98.9	70-126		%REC	378742	1	06/30/2024 23:52	AV
Surr: 4-Bromofluorobenzene	93.4	70-126		%REC	378742	1	06/30/2024 23:52	AV
Surr: Dibromofluoromethane	100	77-121		%REC	378742	1	06/30/2024 23:52	AV
Surr: Dibromofluoromethane	109	77-121		%REC	378742	1	06/30/2024 23:52	AV
Surr: Toluene-d8	98.7	78.6-119		%REC	378742	1	06/30/2024 23:52	AV
Surr: Toluene-d8	107	78.6-119		%REC	378742	1	06/30/2024 23:52	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-018

Client Sample ID: PH1-GWA-1A
Collection Date: 6/26/2024 12:20:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 00:06	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 00:06	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 00:06	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 00:06	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 00:06	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 00:06	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 00:06	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 00:06	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 00:06	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 00:06	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 00:06	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 00:06	AV

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWA-1A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 12:20:00 PM
Lab ID: 2406W35-018	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 00:06	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 00:06	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 00:06	AV
Surr: 4-Bromofluorobenzene	95.7	70-126		%REC	378735	1	06/30/2024 00:06	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378735	1	06/30/2024 00:06	AV
Surr: Toluene-d8	99	78.6-119		%REC	378735	1	06/30/2024 00:06	AV
APPENDIX I METALS SW6020B				(SW3005A)				
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 05:48	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 05:48	IF
Barium	0.0201	0.0200		mg/L	378740	1	07/04/2024 05:48	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 05:48	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 05:48	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:48	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 05:48	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 05:48	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 05:48	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 05:48	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:48	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 05:48	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 05:48	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 05:48	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 05:48	IF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-019

Client Sample ID: FIELD BLANK-1
Collection Date: 6/26/2024 12:10:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 00:29	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 00:29	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 00:29	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 00:29	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 00:29	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 00:29	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 00:29	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 00:29	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 00:29	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 00:29	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 00:29	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 00:29	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: FIELD BLANK-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 12:10:00 PM
Lab ID: 2406W35-019	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 00:29	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 00:29	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 00:29	AV
Surr: 4-Bromofluorobenzene	98.6	70-126		%REC	378735	1	06/30/2024 00:29	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378735	1	06/30/2024 00:29	AV
Surr: Toluene-d8	101	78.6-119		%REC	378735	1	06/30/2024 00:29	AV
APPENDIX I METALS SW6020B				(SW3005A)				
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 05:52	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 05:52	IF
Barium	BRL	0.0200		mg/L	378740	1	07/04/2024 05:52	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 05:52	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 05:52	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:52	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 05:52	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 05:52	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 05:52	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 05:52	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:52	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 05:52	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 05:52	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 05:52	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 05:52	IF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-020

Client Sample ID: GWC-16A
Collection Date: 6/25/2024 3:15:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,1-Dichloroethane	3.4	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	07/01/2024 00:15	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	07/01/2024 00:15	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
2-Butanone	BRL	100		ug/L	378742	1	07/01/2024 00:15	AV
2-Hexanone	BRL	50		ug/L	378742	1	07/01/2024 00:15	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	07/01/2024 00:15	AV
Acetone	BRL	100		ug/L	378742	1	07/01/2024 00:15	AV
Acetonitrile	BRL	200		ug/L	378742	1	07/01/2024 00:15	AV
Acrolein	BRL	50		ug/L	378742	1	07/01/2024 00:15	AV
Acrylonitrile	BRL	50		ug/L	378742	1	07/01/2024 00:15	AV
Allyl Chloride	BRL	100		ug/L	378742	1	07/01/2024 00:15	AV
Benzene	4.7	2.0		ug/L	378742	1	07/01/2024 00:15	AV
Bromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Bromoform	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Bromomethane	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	07/01/2024 00:15	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
Chlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Chloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
Chloroform	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
Chloromethane	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Chloroprene	BRL	20		ug/L	378742	1	07/01/2024 00:15	AV
cis-1,2-Dichloroethene	2.8	2.0		ug/L	378742	1	07/01/2024 00:15	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Dibromomethane	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-16A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 3:15:00 PM
Lab ID: 2406W35-020	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
Iodomethane	BRL	100		ug/L	378742	1	07/01/2024 00:15	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	07/01/2024 00:15	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	07/01/2024 00:15	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	07/01/2024 00:15	AV
Naphthalene	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Propionitrile	BRL	100		ug/L	378742	1	07/01/2024 00:15	AV
Styrene	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
Toluene	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	07/01/2024 00:15	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	07/01/2024 00:15	AV
Vinyl acetate	BRL	100		ug/L	378742	1	07/01/2024 00:15	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	07/01/2024 00:15	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	07/01/2024 00:15	AV
Surr: 4-Bromofluorobenzene	97.7	70-126		%REC	378742	1	07/01/2024 00:15	AV
Surr: 4-Bromofluorobenzene	103	70-126		%REC	378742	1	07/01/2024 00:15	AV
Surr: Dibromofluoromethane	100	77-121		%REC	378742	1	07/01/2024 00:15	AV
Surr: Dibromofluoromethane	109	77-121		%REC	378742	1	07/01/2024 00:15	AV
Surr: Toluene-d8	98.7	78.6-119		%REC	378742	1	07/01/2024 00:15	AV
Surr: Toluene-d8	107	78.6-119		%REC	378742	1	07/01/2024 00:15	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-021

Client Sample ID: GWA-1A
Collection Date: 6/26/2024 1:35:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 00:53	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 00:53	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 00:53	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 00:53	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 00:53	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 00:53	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 00:53	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 00:53	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 00:53	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 00:53	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 00:53	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 00:53	AV

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-021

Client Sample ID: GWA-1A
Collection Date: 6/26/2024 1:35:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 00:53	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 00:53	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 00:53	AV
Surr: 4-Bromofluorobenzene	96.1	70-126		%REC	378735	1	06/30/2024 00:53	AV
Surr: Dibromofluoromethane	99.6	77-121		%REC	378735	1	06/30/2024 00:53	AV
Surr: Toluene-d8	97.7	78.6-119		%REC	378735	1	06/30/2024 00:53	AV
APPENDIX I METALS SW6020B				(SW3005A)				
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 05:56	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 05:56	IF
Barium	0.0322	0.0200		mg/L	378740	1	07/04/2024 05:56	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 05:56	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 05:56	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:56	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 05:56	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 05:56	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 05:56	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 05:56	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 05:56	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 05:56	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 05:56	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 05:56	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 05:56	IF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-12R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 2:05:00 PM
Lab ID: 2406W35-022	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,1-Dichloroethane	2.1	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	07/01/2024 00:38	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	07/01/2024 00:38	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
2-Butanone	BRL	100		ug/L	378742	1	07/01/2024 00:38	AV
2-Hexanone	BRL	50		ug/L	378742	1	07/01/2024 00:38	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	07/01/2024 00:38	AV
Acetone	BRL	100		ug/L	378742	1	07/01/2024 00:38	AV
Acetonitrile	BRL	200		ug/L	378742	1	07/01/2024 00:38	AV
Acrolein	BRL	50		ug/L	378742	1	07/01/2024 00:38	AV
Acrylonitrile	BRL	50		ug/L	378742	1	07/01/2024 00:38	AV
Allyl Chloride	BRL	100		ug/L	378742	1	07/01/2024 00:38	AV
Benzene	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
Bromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Bromoform	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Bromomethane	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	07/01/2024 00:38	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
Chlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Chloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
Chloroform	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
Chloromethane	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Chloroprene	BRL	20		ug/L	378742	1	07/01/2024 00:38	AV
cis-1,2-Dichloroethene	2.7	2.0		ug/L	378742	1	07/01/2024 00:38	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Dibromomethane	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-022

Client Sample ID: AMW-12R
Collection Date: 6/25/2024 2:05:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
Iodomethane	BRL	100		ug/L	378742	1	07/01/2024 00:38	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	07/01/2024 00:38	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	07/01/2024 00:38	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	07/01/2024 00:38	AV
Naphthalene	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Propionitrile	BRL	100		ug/L	378742	1	07/01/2024 00:38	AV
Styrene	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Tetrachloroethene	9.2	2.0		ug/L	378742	1	07/01/2024 00:38	AV
Toluene	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	07/01/2024 00:38	AV
Trichloroethene	2.2	2.0		ug/L	378742	1	07/01/2024 00:38	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	07/01/2024 00:38	AV
Vinyl acetate	BRL	100		ug/L	378742	1	07/01/2024 00:38	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	07/01/2024 00:38	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	07/01/2024 00:38	AV
Surr: 4-Bromofluorobenzene	94.8	70-126		%REC	378742	1	07/01/2024 00:38	AV
Surr: 4-Bromofluorobenzene	100	70-126		%REC	378742	1	07/01/2024 00:38	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378742	1	07/01/2024 00:38	AV
Surr: Dibromofluoromethane	110	77-121		%REC	378742	1	07/01/2024 00:38	AV
Surr: Toluene-d8	98.7	78.6-119		%REC	378742	1	07/01/2024 00:38	AV
Surr: Toluene-d8	107	78.6-119		%REC	378742	1	07/01/2024 00:38	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-023

Client Sample ID: AMW-12
Collection Date: 6/25/2024 2:25:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	07/01/2024 01:02	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	07/01/2024 01:02	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
2-Butanone	BRL	100		ug/L	378742	1	07/01/2024 01:02	AV
2-Hexanone	BRL	50		ug/L	378742	1	07/01/2024 01:02	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	07/01/2024 01:02	AV
Acetone	BRL	100		ug/L	378742	1	07/01/2024 01:02	AV
Acetonitrile	BRL	200		ug/L	378742	1	07/01/2024 01:02	AV
Acrolein	BRL	50		ug/L	378742	1	07/01/2024 01:02	AV
Acrylonitrile	BRL	50		ug/L	378742	1	07/01/2024 01:02	AV
Allyl Chloride	BRL	100		ug/L	378742	1	07/01/2024 01:02	AV
Benzene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
Bromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Bromoform	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Bromomethane	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	07/01/2024 01:02	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
Chlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Chloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
Chloroform	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
Chloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Chloroprene	BRL	20		ug/L	378742	1	07/01/2024 01:02	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Dibromomethane	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-12
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 2:25:00 PM
Lab ID: 2406W35-023	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
Iodomethane	BRL	100		ug/L	378742	1	07/01/2024 01:02	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	07/01/2024 01:02	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	07/01/2024 01:02	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	07/01/2024 01:02	AV
Naphthalene	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Propionitrile	BRL	100		ug/L	378742	1	07/01/2024 01:02	AV
Styrene	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
Toluene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	07/01/2024 01:02	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	07/01/2024 01:02	AV
Vinyl acetate	BRL	100		ug/L	378742	1	07/01/2024 01:02	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	07/01/2024 01:02	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	07/01/2024 01:02	AV
Surr: 4-Bromofluorobenzene	97.1	70-126		%REC	378742	1	07/01/2024 01:02	AV
Surr: 4-Bromofluorobenzene	103	70-126		%REC	378742	1	07/01/2024 01:02	AV
Surr: Dibromofluoromethane	105	77-121		%REC	378742	1	07/01/2024 01:02	AV
Surr: Dibromofluoromethane	114	77-121		%REC	378742	1	07/01/2024 01:02	AV
Surr: Toluene-d8	100	78.6-119		%REC	378742	1	07/01/2024 01:02	AV
Surr: Toluene-d8	109	78.6-119		%REC	378742	1	07/01/2024 01:02	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 1:10:00 PM
Lab ID: 2406W35-024	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 01:16	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 01:16	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 01:16	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 01:16	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 01:16	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 01:16	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 01:16	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 01:16	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 01:16	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 01:16	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 01:16	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 01:16	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 1:10:00 PM
Lab ID: 2406W35-024	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 01:16	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 01:16	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 01:16	AV
Surr: 4-Bromofluorobenzene	93.3	70-126		%REC	378735	1	06/30/2024 01:16	AV
Surr: Dibromofluoromethane	101	77-121		%REC	378735	1	06/30/2024 01:16	AV
Surr: Toluene-d8	97.3	78.6-119		%REC	378735	1	06/30/2024 01:16	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-025

Client Sample ID: GWA-3
Collection Date: 6/24/2024 4:35:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 01:40	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 01:40	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 01:40	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 01:40	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 01:40	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 01:40	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 01:40	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 01:40	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 01:40	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 01:40	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 01:40	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 01:40	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWA-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 4:35:00 PM
Lab ID: 2406W35-025	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 01:40	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 01:40	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 01:40	AV
Surr: 4-Bromofluorobenzene	94.9	70-126		%REC	378735	1	06/30/2024 01:40	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378735	1	06/30/2024 01:40	AV
Surr: Toluene-d8	101	78.6-119		%REC	378735	1	06/30/2024 01:40	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWA-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 9:15:00 AM
Lab ID: 2406W35-026	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 06:00	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 06:00	IF
Barium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:00	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 06:00	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 06:00	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:00	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 06:00	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 06:00	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 06:00	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 06:00	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:00	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 06:00	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 06:00	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:00	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 06:00	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 12:25:00 PM
Lab ID: 2406W35-027	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 02:04	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 02:04	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 02:04	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 02:04	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 02:04	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 02:04	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 02:04	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 02:04	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 02:04	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 02:04	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 02:04	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 02:04	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 12:25:00 PM
Lab ID: 2406W35-027	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 02:04	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 02:04	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 02:04	AV
Surr: 4-Bromofluorobenzene	95.9	70-126		%REC	378735	1	06/30/2024 02:04	AV
Surr: Dibromofluoromethane	99.3	77-121		%REC	378735	1	06/30/2024 02:04	AV
Surr: Toluene-d8	97.9	78.6-119		%REC	378735	1	06/30/2024 02:04	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 10:55:00 AM
Lab ID: 2406W35-028	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 02:27	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 02:27	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 02:27	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 02:27	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 02:27	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 02:27	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 02:27	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 02:27	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 02:27	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 02:27	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 02:27	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 02:27	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 10:55:00 AM
Lab ID: 2406W35-028	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 02:27	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 02:27	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 02:27	AV
Surr: 4-Bromofluorobenzene	95.7	70-126		%REC	378735	1	06/30/2024 02:27	AV
Surr: Dibromofluoromethane	107	77-121		%REC	378735	1	06/30/2024 02:27	AV
Surr: Toluene-d8	100	78.6-119		%REC	378735	1	06/30/2024 02:27	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-029

Client Sample ID: GWC-3A
Collection Date: 6/25/2024 11:20:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 02:50	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 02:50	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 02:50	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 02:50	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 02:50	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 02:50	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 02:50	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 02:50	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 02:50	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 02:50	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 02:50	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 02:50	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 11:20:00 AM
Lab ID: 2406W35-029	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 02:50	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 02:50	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 02:50	AV
Surr: 4-Bromofluorobenzene	95.5	70-126		%REC	378735	1	06/30/2024 02:50	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378735	1	06/30/2024 02:50	AV
Surr: Toluene-d8	97.4	78.6-119		%REC	378735	1	06/30/2024 02:50	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 1:10:00 PM
Lab ID: 2406W35-030	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS		SW8260D	(SW5030B)					
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 03:14	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 03:14	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 03:14	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 03:14	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 03:14	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 03:14	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 03:14	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 03:14	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 03:14	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 03:14	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 03:14	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 03:14	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 1:10:00 PM
Lab ID: 2406W35-030	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 03:14	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 03:14	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 03:14	AV
Surr: 4-Bromofluorobenzene	96.8	70-126		%REC	378735	1	06/30/2024 03:14	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378735	1	06/30/2024 03:14	AV
Surr: Toluene-d8	98.8	78.6-119		%REC	378735	1	06/30/2024 03:14	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-4A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 2:35:00 PM
Lab ID: 2406W35-031	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 03:37	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 03:37	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 03:37	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 03:37	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 03:37	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 03:37	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 03:37	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 03:37	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 03:37	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 03:37	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 03:37	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 03:37	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-4A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 2:35:00 PM
Lab ID: 2406W35-031	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 03:37	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 03:37	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 03:37	AV
Surr: 4-Bromofluorobenzene	98.4	70-126		%REC	378735	1	06/30/2024 03:37	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378735	1	06/30/2024 03:37	AV
Surr: Toluene-d8	100	78.6-119		%REC	378735	1	06/30/2024 03:37	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-032

Client Sample ID: GWC-5
Collection Date: 6/24/2024 2:55:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378774	1	06/30/2024 09:34	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378774	1	06/30/2024 09:34	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
2-Butanone	BRL	100		ug/L	378774	1	06/30/2024 09:34	OM
2-Hexanone	BRL	50		ug/L	378774	1	06/30/2024 09:34	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378774	1	06/30/2024 09:34	OM
Acetone	BRL	100		ug/L	378774	1	06/30/2024 09:34	OM
Acrylonitrile	BRL	50		ug/L	378774	1	06/30/2024 09:34	OM
Benzene	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
Bromochloromethane	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
Bromodichloromethane	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
Bromoform	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
Bromomethane	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
Carbon disulfide	BRL	5.0		ug/L	378774	1	06/30/2024 09:34	OM
Carbon tetrachloride	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
Chlorobenzene	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
Chloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
Chloroform	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
Chloromethane	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
Dibromochloromethane	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
Dibromomethane	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
Ethylbenzene	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
Iodomethane	BRL	100		ug/L	378774	1	06/30/2024 09:34	OM
Methylene chloride	BRL	5.0		ug/L	378774	1	06/30/2024 09:34	OM
Styrene	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM
Tetrachloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
Toluene	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378774	1	06/30/2024 09:34	OM
Trichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
Trichlorofluoromethane	BRL	10		ug/L	378774	1	06/30/2024 09:34	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-5
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 2:55:00 PM
Lab ID: 2406W35-032	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378774	1	06/30/2024 09:34	OM
Vinyl chloride	BRL	2.0		ug/L	378774	1	06/30/2024 09:34	OM
Xylenes, Total	BRL	5.0		ug/L	378774	1	06/30/2024 09:34	OM
Surr: 4-Bromofluorobenzene	98.4	70-126		%REC	378774	1	06/30/2024 09:34	OM
Surr: Dibromofluoromethane	100	77-121		%REC	378774	1	06/30/2024 09:34	OM
Surr: Toluene-d8	100	78.6-119		%REC	378774	1	06/30/2024 09:34	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-6
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 3:25:00 PM
Lab ID: 2406W35-033	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378774	1	06/30/2024 09:57	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378774	1	06/30/2024 09:57	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
2-Butanone	BRL	100		ug/L	378774	1	06/30/2024 09:57	OM
2-Hexanone	BRL	50		ug/L	378774	1	06/30/2024 09:57	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378774	1	06/30/2024 09:57	OM
Acetone	BRL	100		ug/L	378774	1	06/30/2024 09:57	OM
Acrylonitrile	BRL	50		ug/L	378774	1	06/30/2024 09:57	OM
Benzene	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
Bromochloromethane	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
Bromodichloromethane	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
Bromoform	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
Bromomethane	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
Carbon disulfide	BRL	5.0		ug/L	378774	1	06/30/2024 09:57	OM
Carbon tetrachloride	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
Chlorobenzene	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
Chloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
Chloroform	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
Chloromethane	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
Dibromochloromethane	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
Dibromomethane	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
Ethylbenzene	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
Iodomethane	BRL	100		ug/L	378774	1	06/30/2024 09:57	OM
Methylene chloride	BRL	5.0		ug/L	378774	1	06/30/2024 09:57	OM
Styrene	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM
Tetrachloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
Toluene	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378774	1	06/30/2024 09:57	OM
Trichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
Trichlorofluoromethane	BRL	10		ug/L	378774	1	06/30/2024 09:57	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-6
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 3:25:00 PM
Lab ID: 2406W35-033	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378774	1	06/30/2024 09:57	OM
Vinyl chloride	BRL	2.0		ug/L	378774	1	06/30/2024 09:57	OM
Xylenes, Total	BRL	5.0		ug/L	378774	1	06/30/2024 09:57	OM
Surr: 4-Bromofluorobenzene	99.8	70-126		%REC	378774	1	06/30/2024 09:57	OM
Surr: Dibromofluoromethane	100	77-121		%REC	378774	1	06/30/2024 09:57	OM
Surr: Toluene-d8	100	78.6-119		%REC	378774	1	06/30/2024 09:57	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-034

Client Sample ID: GWC-7
Collection Date: 6/24/2024 4:00:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378774	1	06/30/2024 10:20	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378774	1	06/30/2024 10:20	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
2-Butanone	BRL	100		ug/L	378774	1	06/30/2024 10:20	OM
2-Hexanone	BRL	50		ug/L	378774	1	06/30/2024 10:20	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378774	1	06/30/2024 10:20	OM
Acetone	BRL	100		ug/L	378774	1	06/30/2024 10:20	OM
Acrylonitrile	BRL	50		ug/L	378774	1	06/30/2024 10:20	OM
Benzene	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
Bromochloromethane	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
Bromodichloromethane	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
Bromoform	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
Bromomethane	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
Carbon disulfide	BRL	5.0		ug/L	378774	1	06/30/2024 10:20	OM
Carbon tetrachloride	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
Chlorobenzene	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
Chloroethane	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
Chloroform	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
Chloromethane	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
Dibromochloromethane	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
Dibromomethane	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
Ethylbenzene	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
Iodomethane	BRL	100		ug/L	378774	1	06/30/2024 10:20	OM
Methylene chloride	BRL	5.0		ug/L	378774	1	06/30/2024 10:20	OM
Styrene	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM
Tetrachloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
Toluene	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378774	1	06/30/2024 10:20	OM
Trichloroethene	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
Trichlorofluoromethane	BRL	10		ug/L	378774	1	06/30/2024 10:20	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-7
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 4:00:00 PM
Lab ID: 2406W35-034	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378774	1	06/30/2024 10:20	OM
Vinyl chloride	BRL	2.0		ug/L	378774	1	06/30/2024 10:20	OM
Xylenes, Total	BRL	5.0		ug/L	378774	1	06/30/2024 10:20	OM
Surr: 4-Bromofluorobenzene	99.1	70-126		%REC	378774	1	06/30/2024 10:20	OM
Surr: Dibromofluoromethane	99.5	77-121		%REC	378774	1	06/30/2024 10:20	OM
Surr: Toluene-d8	100	78.6-119		%REC	378774	1	06/30/2024 10:20	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 9:25:00 AM
Lab ID: 2406W35-035	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 06:04	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 06:04	IF
Barium	0.0240	0.0200		mg/L	378740	1	07/04/2024 06:04	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 06:04	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 06:04	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:04	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 06:04	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 06:04	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 06:04	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 06:04	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:04	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 06:04	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 06:04	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:04	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 06:04	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-4A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 9:30:00 AM
Lab ID: 2406W35-036	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 06:08	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 06:08	IF
Barium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:08	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 06:08	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 06:08	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:08	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 06:08	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 06:08	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 06:08	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 06:08	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:08	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 06:08	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 06:08	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:08	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 06:08	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-5
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 9:45:00 AM
Lab ID: 2406W35-037	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 06:12	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 06:12	IF
Barium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:12	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 06:12	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 06:12	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:12	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 06:12	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 06:12	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 06:12	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 06:12	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:12	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 06:12	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 06:12	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:12	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 06:12	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-6
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 9:55:00 AM
Lab ID: 2406W35-038	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 06:16	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 06:16	IF
Barium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:16	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 06:16	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 06:16	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:16	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 06:16	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 06:16	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 06:16	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 06:16	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:16	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 06:16	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 06:16	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:16	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 06:16	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-7
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 10:00:00 AM
Lab ID: 2406W35-039	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 06:44	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 06:44	IF
Barium	0.0312	0.0200		mg/L	378740	1	07/04/2024 06:44	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 06:44	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 06:44	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:44	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 06:44	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 06:44	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 06:44	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 06:44	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:44	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 06:44	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 06:44	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:44	IF
Zinc	0.0219	0.0200		mg/L	378740	1	07/04/2024 06:44	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-9
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 3:40:00 PM
Lab ID: 2406W35-040	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
1,2,3-Trichloropropane	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378735	1	06/30/2024 04:01	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378735	1	06/30/2024 04:01	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
2-Butanone	BRL	100		ug/L	378735	1	06/30/2024 04:01	AV
2-Hexanone	BRL	50		ug/L	378735	1	06/30/2024 04:01	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378735	1	06/30/2024 04:01	AV
Acetone	BRL	100		ug/L	378735	1	06/30/2024 04:01	AV
Acrylonitrile	BRL	50		ug/L	378735	1	06/30/2024 04:01	AV
Benzene	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
Bromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
Bromodichloromethane	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
Bromoform	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
Bromomethane	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
Carbon disulfide	BRL	5.0		ug/L	378735	1	06/30/2024 04:01	AV
Carbon tetrachloride	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
Chlorobenzene	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
Chloroethane	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
Chloroform	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
Chloromethane	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
Dibromochloromethane	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
Dibromomethane	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
Ethylbenzene	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
Iodomethane	BRL	100		ug/L	378735	1	06/30/2024 04:01	AV
Methylene chloride	BRL	5.0		ug/L	378735	1	06/30/2024 04:01	AV
Styrene	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV
Tetrachloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
Toluene	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378735	1	06/30/2024 04:01	AV
Trichloroethene	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
Trichlorofluoromethane	BRL	10		ug/L	378735	1	06/30/2024 04:01	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-9
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 3:40:00 PM
Lab ID: 2406W35-040	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378735	1	06/30/2024 04:01	AV
Vinyl chloride	BRL	2.0		ug/L	378735	1	06/30/2024 04:01	AV
Xylenes, Total	BRL	5.0		ug/L	378735	1	06/30/2024 04:01	AV
Surr: 4-Bromofluorobenzene	96.4	70-126		%REC	378735	1	06/30/2024 04:01	AV
Surr: Dibromofluoromethane	101	77-121		%REC	378735	1	06/30/2024 04:01	AV
Surr: Toluene-d8	99.1	78.6-119		%REC	378735	1	06/30/2024 04:01	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-11
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:00:00 AM
Lab ID: 2406W35-041	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 06:48	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 06:48	IF
Barium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:48	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 06:48	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 06:48	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:48	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 06:48	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 06:48	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 06:48	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 06:48	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:48	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 06:48	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 06:48	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:48	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 06:48	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:55:00 AM
Lab ID: 2406W35-042	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 06:52	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 06:52	IF
Barium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:52	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 06:52	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 06:52	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:52	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 06:52	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 06:52	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 06:52	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 06:52	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:52	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 06:52	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 06:52	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:52	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 06:52	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:45:00 AM
Lab ID: 2406W35-043	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 06:55	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 06:55	IF
Barium	0.0256	0.0200		mg/L	378740	1	07/04/2024 06:55	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 06:55	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 06:55	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:55	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 06:55	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 06:55	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 06:55	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 06:55	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:55	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 06:55	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 06:55	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:55	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 06:55	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-044

Client Sample ID: GWC-8
Collection Date: 6/26/2024 3:55:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378776	1	06/30/2024 22:47	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378776	1	06/30/2024 22:47	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
2-Butanone	BRL	100		ug/L	378776	1	06/30/2024 22:47	OM
2-Hexanone	BRL	50		ug/L	378776	1	06/30/2024 22:47	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378776	1	06/30/2024 22:47	OM
Acetone	BRL	100		ug/L	378776	1	06/30/2024 22:47	OM
Acrylonitrile	BRL	50		ug/L	378776	1	06/30/2024 22:47	OM
Benzene	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
Bromochloromethane	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
Bromodichloromethane	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
Bromoform	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
Bromomethane	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
Carbon disulfide	BRL	5.0		ug/L	378776	1	06/30/2024 22:47	OM
Carbon tetrachloride	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
Chlorobenzene	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
Chloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
Chloroform	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
Chloromethane	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
cis-1,2-Dichloroethene	5.0	2.0		ug/L	378776	1	06/30/2024 22:47	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
Dibromochloromethane	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
Dibromomethane	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
Ethylbenzene	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
Iodomethane	BRL	100		ug/L	378776	1	06/30/2024 22:47	OM
Methylene chloride	BRL	5.0		ug/L	378776	1	06/30/2024 22:47	OM
Styrene	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM
Tetrachloroethene	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
Toluene	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378776	1	06/30/2024 22:47	OM
Trichloroethene	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
Trichlorofluoromethane	BRL	10		ug/L	378776	1	06/30/2024 22:47	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-8
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 3:55:00 PM
Lab ID: 2406W35-044	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378776	1	06/30/2024 22:47	OM
Vinyl chloride	BRL	2.0		ug/L	378776	1	06/30/2024 22:47	OM
Xylenes, Total	BRL	5.0		ug/L	378776	1	06/30/2024 22:47	OM
Surr: 4-Bromofluorobenzene	98.7	70-126		%REC	378776	1	06/30/2024 22:47	OM
Surr: Dibromofluoromethane	101	77-121		%REC	378776	1	06/30/2024 22:47	OM
Surr: Toluene-d8	101	78.6-119		%REC	378776	1	06/30/2024 22:47	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-045

Client Sample ID: GWC-8A
Collection Date: 6/26/2024 4:15:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,1-Dichloroethane	2.0	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	07/01/2024 01:24	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	07/01/2024 01:24	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
2-Butanone	BRL	100		ug/L	378742	1	07/01/2024 01:24	AV
2-Hexanone	BRL	50		ug/L	378742	1	07/01/2024 01:24	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	07/01/2024 01:24	AV
Acetone	BRL	100		ug/L	378742	1	07/01/2024 01:24	AV
Acetonitrile	BRL	200		ug/L	378742	1	07/01/2024 01:24	AV
Acrolein	BRL	50		ug/L	378742	1	07/01/2024 01:24	AV
Acrylonitrile	BRL	50		ug/L	378742	1	07/01/2024 01:24	AV
Allyl Chloride	BRL	100		ug/L	378742	1	07/01/2024 01:24	AV
Benzene	2.1	2.0		ug/L	378742	1	07/01/2024 01:24	AV
Bromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Bromoform	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Bromomethane	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	07/01/2024 01:24	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
Chlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Chloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
Chloroform	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
Chloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Chloroprene	BRL	20		ug/L	378742	1	07/01/2024 01:24	AV
cis-1,2-Dichloroethene	29	2.0		ug/L	378742	1	07/01/2024 01:24	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Dibromomethane	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-8A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 4:15:00 PM
Lab ID: 2406W35-045	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
Iodomethane	BRL	100		ug/L	378742	1	07/01/2024 01:24	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	07/01/2024 01:24	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	07/01/2024 01:24	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	07/01/2024 01:24	AV
Naphthalene	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Propionitrile	BRL	100		ug/L	378742	1	07/01/2024 01:24	AV
Styrene	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
Toluene	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	07/01/2024 01:24	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	07/01/2024 01:24	AV
Vinyl acetate	BRL	100		ug/L	378742	1	07/01/2024 01:24	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	07/01/2024 01:24	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	07/01/2024 01:24	AV
Surr: 4-Bromofluorobenzene	94.9	70-126		%REC	378742	1	07/01/2024 01:24	AV
Surr: 4-Bromofluorobenzene	100	70-126		%REC	378742	1	07/01/2024 01:24	AV
Surr: Dibromofluoromethane	100	77-121		%REC	378742	1	07/01/2024 01:24	AV
Surr: Dibromofluoromethane	109	77-121		%REC	378742	1	07/01/2024 01:24	AV
Surr: Toluene-d8	97.7	78.6-119		%REC	378742	1	07/01/2024 01:24	AV
Surr: Toluene-d8	106	78.6-119		%REC	378742	1	07/01/2024 01:24	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-8R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 4:05:00 PM
Lab ID: 2406W35-046	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,1-Dichloroethane	9.0	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	07/01/2024 01:48	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	07/01/2024 01:48	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
2-Butanone	BRL	100		ug/L	378742	1	07/01/2024 01:48	AV
2-Hexanone	BRL	50		ug/L	378742	1	07/01/2024 01:48	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	07/01/2024 01:48	AV
Acetone	BRL	100		ug/L	378742	1	07/01/2024 01:48	AV
Acetonitrile	BRL	200		ug/L	378742	1	07/01/2024 01:48	AV
Acrolein	BRL	50		ug/L	378742	1	07/01/2024 01:48	AV
Acrylonitrile	BRL	50		ug/L	378742	1	07/01/2024 01:48	AV
Allyl Chloride	BRL	100		ug/L	378742	1	07/01/2024 01:48	AV
Benzene	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
Bromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Bromoform	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Bromomethane	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	07/01/2024 01:48	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
Chlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Chloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
Chloroform	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
Chloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Chloroprene	BRL	20		ug/L	378742	1	07/01/2024 01:48	AV
cis-1,2-Dichloroethene	31	2.0		ug/L	378742	1	07/01/2024 01:48	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Dibromomethane	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-046

Client Sample ID: GWC-8R
Collection Date: 6/26/2024 4:05:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D		(SW5030B)						
Ethylbenzene	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
Iodomethane	BRL	100		ug/L	378742	1	07/01/2024 01:48	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	07/01/2024 01:48	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	07/01/2024 01:48	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	07/01/2024 01:48	AV
Naphthalene	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Propionitrile	BRL	100		ug/L	378742	1	07/01/2024 01:48	AV
Styrene	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
Toluene	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	07/01/2024 01:48	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	07/01/2024 01:48	AV
Vinyl acetate	BRL	100		ug/L	378742	1	07/01/2024 01:48	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	07/01/2024 01:48	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	07/01/2024 01:48	AV
Surr: 4-Bromofluorobenzene	98.2	70-126		%REC	378742	1	07/01/2024 01:48	AV
Surr: 4-Bromofluorobenzene	104	70-126		%REC	378742	1	07/01/2024 01:48	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378742	1	07/01/2024 01:48	AV
Surr: Dibromofluoromethane	110	77-121		%REC	378742	1	07/01/2024 01:48	AV
Surr: Toluene-d8	98	78.6-119		%REC	378742	1	07/01/2024 01:48	AV
Surr: Toluene-d8	106	78.6-119		%REC	378742	1	07/01/2024 01:48	AV
SIM Semivolatile Organics by SW8270E		(SW3510C)						
Hexachlorobenzene	BRL	1.0		ug/L	378756	1	07/03/2024 02:31	DS
Surr: 4-Terphenyl-d14	112	64.1-135		%REC	378756	1	07/03/2024 02:31	DS
SIM Polynuclear Aromatic Hydrocarbons SW8270E		(SW3510C)						
Benzo(a)pyrene	BRL	0.20		ug/L	378756	1	07/03/2024 02:31	DS
Surr: 4-Terphenyl-d14	112	64.1-135		%REC	378756	1	07/03/2024 02:31	DS
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,3,5-Trinitrobenzene	BRL	1.5		ug/L	378658	1	07/03/2024 05:21	YH
3,3'-Dimethoxybenzidine	BRL	10	N	ug/L	378658	1	07/03/2024 05:21	YH
4-Nitroquinoline,1-oxide	BRL	6.4		ug/L	378658	1	07/03/2024 05:21	YH
Aramite	BRL	3.6		ug/L	378658	1	07/03/2024 05:21	YH
Dimethylaminoazobenzene	BRL	3.5	N	ug/L	378658	1	07/03/2024 05:21	YH
N-Nitrosomorpholine	BRL	2.6		ug/L	378658	1	07/03/2024 05:21	YH
Tetraethyl dithiopyrophosphate	BRL	3.8		ug/L	378658	1	07/03/2024 05:21	YH
Surr: 2,4,6-Tribromophenol	58.2	53.4-132		%REC	378658	1	07/03/2024 05:21	YH
Surr: 2-Fluorobiphenyl	82.7	48-126		%REC	378658	1	07/03/2024 05:21	YH

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-8R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 4:05:00 PM
Lab ID: 2406W35-046	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
Surr: 2-Fluorophenol	31	29.3-120		%REC	378658	1	07/03/2024 05:21	YH
Surr: 4-Terphenyl-d14	92.7	48.1-130		%REC	378658	1	07/03/2024 05:21	YH
Surr: Nitrobenzene-d5	80.9	41.1-129		%REC	378658	1	07/03/2024 05:21	YH
Surr: Phenol-d5	27.2	20.7-120		%REC	378658	1	07/03/2024 05:21	YH
APPENDIXII-SEMIVOLATILE ORGANICS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
1,3-Dinitrobenzene	BRL	20		ug/L	378658	1	07/08/2024 15:10	NH
1,4-Napthoquinone	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
1-Naphthylamine	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2,3,4,6-Tetrachlorophenol	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2,4,5-Trichlorophenol	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2,4-Dichlorophenol	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2,4-Dimethylphenol	BRL	50		ug/L	378658	1	07/03/2024 15:38	YH
2,4-Dinitrophenol	BRL	50		ug/L	378658	1	07/03/2024 15:38	YH
2,4-Dinitrotoluene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2,6-Dichlorophenol	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2,6-Dinitrotoluene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2-Acetylaminofluorene	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
2-Chloronaphthalene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2-Chlorophenol	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2-Methylnaphthalene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2-Methylphenol	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2-Naphthylamine	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
2-Nitroaniline	BRL	50		ug/L	378658	1	07/03/2024 15:38	YH
2-Nitrophenol	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
3,3'-Dichlorobenzidine	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
3,3'-Dimethylbenzidine	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
3,4-Methylphenol	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
3-Methylcholanthrene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
3-Nitroaniline	BRL	50		ug/L	378658	1	07/03/2024 15:38	YH
4,6-Dinitro-2-methylphenol	BRL	50		ug/L	378658	1	07/03/2024 15:38	YH
4-Aminobiphenyl	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
4-Chloro-3-methylphenol	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
4-Chloroaniline	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
4-Nitroaniline	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
4-Nitrophenol	BRL	50		ug/L	378658	1	07/03/2024 15:38	YH
5-Nitro-o-toluidine	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
7,12-Dimethylbenz(a)anthracene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Acenaphthene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Acenaphthylene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-046

Client Sample ID: GWC-8R
Collection Date: 6/26/2024 4:05:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIXII-SEMIVOLATILE ORGANICS		SW8270E			(SW3510C)			
Acetophenone	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Anthracene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Benz(a)anthracene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Benzo(b)fluoranthene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Benzo(k)fluoranthene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Benzyl alcohol	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Bis(2-ethylhexyl)phthalate	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Butyl benzyl phthalate	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Chlorobenzilate	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Chrysene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Di-n-butyl phthalate	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Di-n-octyl phthalate	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Diallylate	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Dibenzofuran	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Diethyl phthalate	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Dimethoate	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Dimethyl phthalate	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Disulfoton	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Ethyl methanesulfonate	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Famphur	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Fluoranthene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Fluorene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Hexachlorobutadiene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Hexachloroethane	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Hexachloropropene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Isodrin	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Isophorone	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Isosafrole	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Kepone	BRL	50		ug/L	378658	1	07/03/2024 15:38	YH
Methapyrilene	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Methyl methanesulfonate	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Methyl parathion	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
N-Nitroso-di-n-butylamine	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
N-Nitrosodiethylamine	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
N-Nitrosodimethylamine	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
N-Nitrosodiphenylamine	BRL	50		ug/L	378658	1	07/03/2024 15:38	YH
N-Nitrosomethylethylamine	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-8R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 4:05:00 PM
Lab ID: 2406W35-046	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIXII-SEMIVOLATILE ORGANICS		SW8270E			(SW3510C)			
N-Nitrosopiperidine	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
N-Nitrosopyrrolidine	BRL	40		ug/L	378658	1	07/03/2024 15:38	YH
Nitrobenzene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
O,O,O-Triethylphosphorothioate	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
o-Toluidine	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
p-Dimethylaminoazobenzene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
p-Phenylenediamine	BRL	500		ug/L	378658	1	07/03/2024 15:38	YH
Parathion	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Pentachlorobenzene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Pentachloronitrobenzene	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Phenacetin	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Phenanthrene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Phenol	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Phorate	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Pronamide	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Pyrene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Safrole	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Sym-Trinitrobenzene	BRL	10		ug/L	378658	1	07/03/2024 15:38	YH
Thionazin	BRL	20		ug/L	378658	1	07/03/2024 15:38	YH
Surr: 2,4,6-Tribromophenol	60.2	53.4-132		%REC	378658	1	07/03/2024 15:38	YH
Surr: 2-Fluorobiphenyl	83.3	48-126		%REC	378658	1	07/03/2024 15:38	YH
Surr: 2-Fluorophenol	30.6	29.3-120		%REC	378658	1	07/03/2024 15:38	YH
Surr: 4-Terphenyl-d14	91.4	48.1-130		%REC	378658	1	07/03/2024 15:38	YH
Surr: Nitrobenzene-d5	83.3	41.1-129		%REC	378658	1	07/03/2024 15:38	YH
Surr: Phenol-d5	28.2	20.7-120		%REC	378658	1	07/03/2024 15:38	YH

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-13
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 9:30:00 AM
Lab ID: 2406W35-047	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 06:59	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 06:59	IF
Barium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:59	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 06:59	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 06:59	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:59	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 06:59	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 06:59	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 06:59	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 06:59	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 06:59	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 06:59	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 06:59	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 06:59	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 06:59	IF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-14
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 9:40:00 AM
Lab ID: 2406W35-048	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 07:03	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 07:03	IF
Barium	0.0397	0.0200		mg/L	378740	1	07/04/2024 07:03	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 07:03	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 07:03	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 07:03	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 07:03	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 07:03	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 07:03	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 07:03	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 07:03	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 07:03	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 07:03	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 07:03	IF
Zinc	0.0354	0.0200		mg/L	378740	1	07/04/2024 07:03	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-14A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 9:50:00 AM
Lab ID: 2406W35-049	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 07:07	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 07:07	IF
Barium	0.150	0.0200		mg/L	378740	1	07/04/2024 07:07	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 07:07	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 07:07	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 07:07	IF
Cobalt	0.200	0.0400		mg/L	378740	1	07/04/2024 07:07	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 07:07	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 07:07	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 07:07	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 07:07	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 07:07	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 07:07	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 07:07	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 07:07	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-19R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:00:00 AM
Lab ID: 2406W35-050	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378740	1	07/04/2024 07:11	IF
Arsenic	BRL	0.0100		mg/L	378740	1	07/04/2024 07:11	IF
Barium	0.0997	0.0200		mg/L	378740	1	07/04/2024 07:11	IF
Beryllium	BRL	0.00300		mg/L	378740	1	07/04/2024 07:11	IF
Cadmium	BRL	0.00500		mg/L	378740	1	07/04/2024 07:11	IF
Chromium	BRL	0.0100		mg/L	378740	1	07/04/2024 07:11	IF
Cobalt	BRL	0.0400		mg/L	378740	1	07/04/2024 07:11	IF
Copper	BRL	0.0200		mg/L	378740	1	07/04/2024 07:11	IF
Lead	BRL	0.0150		mg/L	378740	1	07/04/2024 07:11	IF
Nickel	BRL	0.0200		mg/L	378740	1	07/04/2024 07:11	IF
Selenium	BRL	0.0100		mg/L	378740	1	07/04/2024 07:11	IF
Silver	BRL	0.0100		mg/L	378740	1	07/04/2024 07:11	IF
Thallium	BRL	0.00200		mg/L	378740	1	07/04/2024 07:11	IF
Vanadium	BRL	0.0200		mg/L	378740	1	07/04/2024 07:11	IF
Zinc	BRL	0.0200		mg/L	378740	1	07/04/2024 07:11	IF

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-22
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:50:00 AM
Lab ID: 2406W35-051	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 01:58	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 01:58	AD
Barium	0.0224	0.0200		mg/L	378762	1	07/04/2024 01:58	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 01:58	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 01:58	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 01:58	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 01:58	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 01:58	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 01:58	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 01:58	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 01:58	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 01:58	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 01:58	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 01:58	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 01:58	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-23
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:35:00 AM
Lab ID: 2406W35-052	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 02:18	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 02:18	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 02:18	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 02:18	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 02:18	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 02:18	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 02:18	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 02:18	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 02:18	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 02:18	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 02:18	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 02:18	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 02:18	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 02:18	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 02:18	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-23A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:25:00 AM
Lab ID: 2406W35-053	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 02:22	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 02:22	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 02:22	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 02:22	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 02:22	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 02:22	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 02:22	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 02:22	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 02:22	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 02:22	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 02:22	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 02:22	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 02:22	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 02:22	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 02:22	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-18
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 9:30:00 AM
Lab ID: 2406W35-054	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D				(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	07/01/2024 02:12	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	07/01/2024 02:12	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
2-Butanone	BRL	100		ug/L	378742	1	07/01/2024 02:12	AV
2-Hexanone	BRL	50		ug/L	378742	1	07/01/2024 02:12	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	07/01/2024 02:12	AV
Acetone	BRL	100		ug/L	378742	1	07/01/2024 02:12	AV
Acetonitrile	BRL	200		ug/L	378742	1	07/01/2024 02:12	AV
Acrolein	BRL	50		ug/L	378742	1	07/01/2024 02:12	AV
Acrylonitrile	BRL	50		ug/L	378742	1	07/01/2024 02:12	AV
Allyl Chloride	BRL	100		ug/L	378742	1	07/01/2024 02:12	AV
Benzene	3.8	2.0		ug/L	378742	1	07/01/2024 02:12	AV
Bromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Bromoform	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Bromomethane	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	07/01/2024 02:12	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
Chlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Chloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
Chloroform	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
Chloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Chloroprene	BRL	20		ug/L	378742	1	07/01/2024 02:12	AV
cis-1,2-Dichloroethene	17	2.0		ug/L	378742	1	07/01/2024 02:12	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Dibromomethane	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-18
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 9:30:00 AM
Lab ID: 2406W35-054	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
Iodomethane	BRL	100		ug/L	378742	1	07/01/2024 02:12	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	07/01/2024 02:12	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	07/01/2024 02:12	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	07/01/2024 02:12	AV
Naphthalene	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Propionitrile	BRL	100		ug/L	378742	1	07/01/2024 02:12	AV
Styrene	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Tetrachloroethene	2.2	2.0		ug/L	378742	1	07/01/2024 02:12	AV
Toluene	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	07/01/2024 02:12	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	07/01/2024 02:12	AV
Vinyl acetate	BRL	100		ug/L	378742	1	07/01/2024 02:12	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	07/01/2024 02:12	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	07/01/2024 02:12	AV
Surr: 4-Bromofluorobenzene	95.5	70-126		%REC	378742	1	07/01/2024 02:12	AV
Surr: 4-Bromofluorobenzene	101	70-126		%REC	378742	1	07/01/2024 02:12	AV
Surr: Dibromofluoromethane	101	77-121		%REC	378742	1	07/01/2024 02:12	AV
Surr: Dibromofluoromethane	109	77-121		%REC	378742	1	07/01/2024 02:12	AV
Surr: Toluene-d8	99.7	78.6-119		%REC	378742	1	07/01/2024 02:12	AV
Surr: Toluene-d8	108	78.6-119		%REC	378742	1	07/01/2024 02:12	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-055

Client Sample ID: PH1-GWA-4
Collection Date: 6/26/2024 4:00:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378776	1	06/30/2024 23:10	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378776	1	06/30/2024 23:10	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
2-Butanone	BRL	100		ug/L	378776	1	06/30/2024 23:10	OM
2-Hexanone	BRL	50		ug/L	378776	1	06/30/2024 23:10	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378776	1	06/30/2024 23:10	OM
Acetone	BRL	100		ug/L	378776	1	06/30/2024 23:10	OM
Acrylonitrile	BRL	50		ug/L	378776	1	06/30/2024 23:10	OM
Benzene	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
Bromochloromethane	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
Bromodichloromethane	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
Bromoform	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
Bromomethane	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
Carbon disulfide	BRL	5.0		ug/L	378776	1	06/30/2024 23:10	OM
Carbon tetrachloride	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
Chlorobenzene	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
Chloroethane	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
Chloroform	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
Chloromethane	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
Dibromochloromethane	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
Dibromomethane	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
Ethylbenzene	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
Iodomethane	BRL	100		ug/L	378776	1	06/30/2024 23:10	OM
Methylene chloride	BRL	5.0		ug/L	378776	1	06/30/2024 23:10	OM
Styrene	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM
Tetrachloroethene	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
Toluene	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378776	1	06/30/2024 23:10	OM
Trichloroethene	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
Trichlorofluoromethane	BRL	10		ug/L	378776	1	06/30/2024 23:10	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWA-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 4:00:00 PM
Lab ID: 2406W35-055	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378776	1	06/30/2024 23:10	OM
Vinyl chloride	BRL	2.0		ug/L	378776	1	06/30/2024 23:10	OM
Xylenes, Total	BRL	5.0		ug/L	378776	1	06/30/2024 23:10	OM
Surr: 4-Bromofluorobenzene	99.1	70-126		%REC	378776	1	06/30/2024 23:10	OM
Surr: Dibromofluoromethane	100	77-121		%REC	378776	1	06/30/2024 23:10	OM
Surr: Toluene-d8	100	78.6-119		%REC	378776	1	06/30/2024 23:10	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-056

Client Sample ID: PH1-GWB-1
Collection Date: 6/26/2024 10:15:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378776	1	07/01/2024 02:15	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378776	1	07/01/2024 02:15	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
2-Butanone	BRL	100		ug/L	378776	1	07/01/2024 02:15	OM
2-Hexanone	BRL	50		ug/L	378776	1	07/01/2024 02:15	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378776	1	07/01/2024 02:15	OM
Acetone	BRL	100		ug/L	378776	1	07/01/2024 02:15	OM
Acrylonitrile	BRL	50		ug/L	378776	1	07/01/2024 02:15	OM
Benzene	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
Bromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
Bromodichloromethane	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
Bromoform	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
Bromomethane	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
Carbon disulfide	BRL	5.0		ug/L	378776	1	07/01/2024 02:15	OM
Carbon tetrachloride	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
Chlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
Chloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
Chloroform	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
Chloromethane	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
Dibromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
Dibromomethane	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
Ethylbenzene	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
Iodomethane	BRL	100		ug/L	378776	1	07/01/2024 02:15	OM
Methylene chloride	BRL	5.0		ug/L	378776	1	07/01/2024 02:15	OM
Styrene	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM
Tetrachloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
Toluene	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378776	1	07/01/2024 02:15	OM
Trichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
Trichlorofluoromethane	BRL	10		ug/L	378776	1	07/01/2024 02:15	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-056

Client Sample ID: PH1-GWB-1
Collection Date: 6/26/2024 10:15:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl acetate	BRL	100		ug/L	378776	1	07/01/2024 02:15	OM
Vinyl chloride	BRL	2.0		ug/L	378776	1	07/01/2024 02:15	OM
Xylenes, Total	BRL	5.0		ug/L	378776	1	07/01/2024 02:15	OM
Surr: 4-Bromofluorobenzene	98.1	70-126		%REC	378776	1	07/01/2024 02:15	OM
Surr: Dibromofluoromethane	100	77-121		%REC	378776	1	07/01/2024 02:15	OM
Surr: Toluene-d8	100	78.6-119		%REC	378776	1	07/01/2024 02:15	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWB-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 11:05:00 AM
Lab ID: 2406W35-057	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378776	1	07/01/2024 02:38	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378776	1	07/01/2024 02:38	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
2-Butanone	BRL	100		ug/L	378776	1	07/01/2024 02:38	OM
2-Hexanone	BRL	50		ug/L	378776	1	07/01/2024 02:38	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378776	1	07/01/2024 02:38	OM
Acetone	BRL	100		ug/L	378776	1	07/01/2024 02:38	OM
Acrylonitrile	BRL	50		ug/L	378776	1	07/01/2024 02:38	OM
Benzene	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
Bromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
Bromodichloromethane	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
Bromoform	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
Bromomethane	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
Carbon disulfide	BRL	5.0		ug/L	378776	1	07/01/2024 02:38	OM
Carbon tetrachloride	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
Chlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
Chloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
Chloroform	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
Chloromethane	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
Dibromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
Dibromomethane	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
Ethylbenzene	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
Iodomethane	BRL	100		ug/L	378776	1	07/01/2024 02:38	OM
Methylene chloride	BRL	5.0		ug/L	378776	1	07/01/2024 02:38	OM
Styrene	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM
Tetrachloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
Toluene	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378776	1	07/01/2024 02:38	OM
Trichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
Trichlorofluoromethane	BRL	10		ug/L	378776	1	07/01/2024 02:38	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWB-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 11:05:00 AM
Lab ID: 2406W35-057	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378776	1	07/01/2024 02:38	OM
Vinyl chloride	BRL	2.0		ug/L	378776	1	07/01/2024 02:38	OM
Xylenes, Total	BRL	5.0		ug/L	378776	1	07/01/2024 02:38	OM
Surr: 4-Bromofluorobenzene	98.3	70-126		%REC	378776	1	07/01/2024 02:38	OM
Surr: Dibromofluoromethane	100	77-121		%REC	378776	1	07/01/2024 02:38	OM
Surr: Toluene-d8	99.5	78.6-119		%REC	378776	1	07/01/2024 02:38	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-058

Client Sample ID: PH1-GWC-1
Collection Date: 6/26/2024 1:40:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378776	1	07/01/2024 03:01	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378776	1	07/01/2024 03:01	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
2-Butanone	BRL	100		ug/L	378776	1	07/01/2024 03:01	OM
2-Hexanone	BRL	50		ug/L	378776	1	07/01/2024 03:01	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378776	1	07/01/2024 03:01	OM
Acetone	BRL	100		ug/L	378776	1	07/01/2024 03:01	OM
Acrylonitrile	BRL	50		ug/L	378776	1	07/01/2024 03:01	OM
Benzene	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
Bromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
Bromodichloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
Bromoform	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
Bromomethane	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
Carbon disulfide	BRL	5.0		ug/L	378776	1	07/01/2024 03:01	OM
Carbon tetrachloride	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
Chlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
Chloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
Chloroform	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
Chloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
Dibromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
Dibromomethane	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
Ethylbenzene	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
Iodomethane	BRL	100		ug/L	378776	1	07/01/2024 03:01	OM
Methylene chloride	BRL	5.0		ug/L	378776	1	07/01/2024 03:01	OM
Styrene	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM
Tetrachloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
Toluene	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378776	1	07/01/2024 03:01	OM
Trichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
Trichlorofluoromethane	BRL	10		ug/L	378776	1	07/01/2024 03:01	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 1:40:00 PM
Lab ID: 2406W35-058	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378776	1	07/01/2024 03:01	OM
Vinyl chloride	BRL	2.0		ug/L	378776	1	07/01/2024 03:01	OM
Xylenes, Total	BRL	5.0		ug/L	378776	1	07/01/2024 03:01	OM
Surr: 4-Bromofluorobenzene	97.9	70-126		%REC	378776	1	07/01/2024 03:01	OM
Surr: Dibromofluoromethane	101	77-121		%REC	378776	1	07/01/2024 03:01	OM
Surr: Toluene-d8	99.9	78.6-119		%REC	378776	1	07/01/2024 03:01	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:50:00 AM
Lab ID: 2406W35-059	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 02:50	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 02:50	AD
Barium	0.0942	0.0200		mg/L	378762	1	07/04/2024 02:50	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 02:50	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 02:50	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 02:50	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 02:50	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 02:50	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 02:50	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 02:50	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 02:50	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 02:50	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 02:50	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 02:50	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 02:50	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-9
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 11:35:00 AM
Lab ID: 2406W35-060	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D				(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	07/01/2024 02:35	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	07/01/2024 02:35	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
2-Butanone	BRL	100		ug/L	378742	1	07/01/2024 02:35	AV
2-Hexanone	BRL	50		ug/L	378742	1	07/01/2024 02:35	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	07/01/2024 02:35	AV
Acetone	BRL	100		ug/L	378742	1	07/01/2024 02:35	AV
Acetonitrile	BRL	200		ug/L	378742	1	07/01/2024 02:35	AV
Acrolein	BRL	50		ug/L	378742	1	07/01/2024 02:35	AV
Acrylonitrile	BRL	50		ug/L	378742	1	07/01/2024 02:35	AV
Allyl Chloride	BRL	100		ug/L	378742	1	07/01/2024 02:35	AV
Benzene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
Bromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Bromoform	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Bromomethane	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	07/01/2024 02:35	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
Chlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Chloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
Chloroform	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
Chloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Chloroprene	BRL	20		ug/L	378742	1	07/01/2024 02:35	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Dibromomethane	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-9
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 11:35:00 AM
Lab ID: 2406W35-060	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
Iodomethane	BRL	100		ug/L	378742	1	07/01/2024 02:35	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	07/01/2024 02:35	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	07/01/2024 02:35	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	07/01/2024 02:35	AV
Naphthalene	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Propionitrile	BRL	100		ug/L	378742	1	07/01/2024 02:35	AV
Styrene	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
Toluene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	07/01/2024 02:35	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	07/01/2024 02:35	AV
Vinyl acetate	BRL	100		ug/L	378742	1	07/01/2024 02:35	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	07/01/2024 02:35	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	07/01/2024 02:35	AV
Surr: 4-Bromofluorobenzene	93.6	70-126		%REC	378742	1	07/01/2024 02:35	AV
Surr: 4-Bromofluorobenzene	99.1	70-126		%REC	378742	1	07/01/2024 02:35	AV
Surr: Dibromofluoromethane	104	77-121		%REC	378742	1	07/01/2024 02:35	AV
Surr: Dibromofluoromethane	113	77-121		%REC	378742	1	07/01/2024 02:35	AV
Surr: Toluene-d8	100	78.6-119		%REC	378742	1	07/01/2024 02:35	AV
Surr: Toluene-d8	109	78.6-119		%REC	378742	1	07/01/2024 02:35	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-061

Client Sample ID: GWA-1
Collection Date: 6/26/2024 10:55:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378776	1	07/01/2024 03:24	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378776	1	07/01/2024 03:24	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
2-Butanone	BRL	100		ug/L	378776	1	07/01/2024 03:24	OM
2-Hexanone	BRL	50		ug/L	378776	1	07/01/2024 03:24	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378776	1	07/01/2024 03:24	OM
Acetone	BRL	100		ug/L	378776	1	07/01/2024 03:24	OM
Acrylonitrile	BRL	50		ug/L	378776	1	07/01/2024 03:24	OM
Benzene	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
Bromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
Bromodichloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
Bromoform	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
Bromomethane	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
Carbon disulfide	BRL	5.0		ug/L	378776	1	07/01/2024 03:24	OM
Carbon tetrachloride	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
Chlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
Chloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
Chloroform	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
Chloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
Dibromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
Dibromomethane	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
Ethylbenzene	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
Iodomethane	BRL	100		ug/L	378776	1	07/01/2024 03:24	OM
Methylene chloride	BRL	5.0		ug/L	378776	1	07/01/2024 03:24	OM
Styrene	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM
Tetrachloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
Toluene	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378776	1	07/01/2024 03:24	OM
Trichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
Trichlorofluoromethane	BRL	10		ug/L	378776	1	07/01/2024 03:24	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWA-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 10:55:00 AM
Lab ID: 2406W35-061	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378776	1	07/01/2024 03:24	OM
Vinyl chloride	BRL	2.0		ug/L	378776	1	07/01/2024 03:24	OM
Xylenes, Total	BRL	5.0		ug/L	378776	1	07/01/2024 03:24	OM
Surr: 4-Bromofluorobenzene	98.3	70-126		%REC	378776	1	07/01/2024 03:24	OM
Surr: Dibromofluoromethane	101	77-121		%REC	378776	1	07/01/2024 03:24	OM
Surr: Toluene-d8	101	78.6-119		%REC	378776	1	07/01/2024 03:24	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWA-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 11:50:00 AM
Lab ID: 2406W35-062	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378776	1	07/01/2024 03:47	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378776	1	07/01/2024 03:47	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
2-Butanone	BRL	100		ug/L	378776	1	07/01/2024 03:47	OM
2-Hexanone	BRL	50		ug/L	378776	1	07/01/2024 03:47	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378776	1	07/01/2024 03:47	OM
Acetone	BRL	100		ug/L	378776	1	07/01/2024 03:47	OM
Acrylonitrile	BRL	50		ug/L	378776	1	07/01/2024 03:47	OM
Benzene	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
Bromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
Bromodichloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
Bromoform	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
Bromomethane	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
Carbon disulfide	BRL	5.0		ug/L	378776	1	07/01/2024 03:47	OM
Carbon tetrachloride	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
Chlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
Chloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
Chloroform	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
Chloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
Dibromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
Dibromomethane	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
Ethylbenzene	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
Iodomethane	BRL	100		ug/L	378776	1	07/01/2024 03:47	OM
Methylene chloride	BRL	5.0		ug/L	378776	1	07/01/2024 03:47	OM
Styrene	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM
Tetrachloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
Toluene	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378776	1	07/01/2024 03:47	OM
Trichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
Trichlorofluoromethane	BRL	10		ug/L	378776	1	07/01/2024 03:47	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWA-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 11:50:00 AM
Lab ID: 2406W35-062	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378776	1	07/01/2024 03:47	OM
Vinyl chloride	BRL	2.0		ug/L	378776	1	07/01/2024 03:47	OM
Xylenes, Total	BRL	5.0		ug/L	378776	1	07/01/2024 03:47	OM
Surr: 4-Bromofluorobenzene	97.8	70-126		%REC	378776	1	07/01/2024 03:47	OM
Surr: Dibromofluoromethane	101	77-121		%REC	378776	1	07/01/2024 03:47	OM
Surr: Toluene-d8	99.8	78.6-119		%REC	378776	1	07/01/2024 03:47	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:25:00 AM
Lab ID: 2406W35-063	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 02:54	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 02:54	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 02:54	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 02:54	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 02:54	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 02:54	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 02:54	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 02:54	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 02:54	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 02:54	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 02:54	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 02:54	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 02:54	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 02:54	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 02:54	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 7:55:00 AM
Lab ID: 2406W35-064	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 02:58	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 02:58	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 02:58	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 02:58	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 02:58	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 02:58	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 02:58	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 02:58	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 02:58	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 02:58	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 02:58	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 02:58	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 02:58	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 02:58	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 02:58	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:05:00 AM
Lab ID: 2406W35-065	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 03:01	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 03:01	AD
Barium	0.0435	0.0200		mg/L	378762	1	07/04/2024 03:01	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 03:01	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 03:01	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:01	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 03:01	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 03:01	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 03:01	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 03:01	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:01	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 03:01	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 03:01	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:01	AD
Zinc	0.0687	0.0200		mg/L	378762	1	07/04/2024 03:01	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:50:00 AM
Lab ID: 2406W35-066	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 03:05	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 03:05	AD
Barium	0.0321	0.0200		mg/L	378762	1	07/04/2024 03:05	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 03:05	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 03:05	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:05	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 03:05	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 03:05	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 03:05	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 03:05	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:05	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 03:05	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 03:05	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:05	AD
Zinc	0.0269	0.0200		mg/L	378762	1	07/04/2024 03:05	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-067

Client Sample ID: GWC-10
Collection Date: 6/26/2024 8:15:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 03:09	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 03:09	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:09	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 03:09	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 03:09	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:09	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 03:09	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 03:09	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 03:09	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 03:09	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:09	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 03:09	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 03:09	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:09	AD
Zinc	0.0484	0.0200		mg/L	378762	1	07/04/2024 03:09	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-10A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:20:00 AM
Lab ID: 2406W35-068	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 03:13	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 03:13	AD
Barium	0.0333	0.0200		mg/L	378762	1	07/04/2024 03:13	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 03:13	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 03:13	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:13	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 03:13	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 03:13	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 03:13	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 03:13	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:13	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 03:13	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 03:13	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:13	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 03:13	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-9
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 8:30:00 AM
Lab ID: 2406W35-069	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 03:17	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 03:17	AD
Barium	0.0625	0.0200		mg/L	378762	1	07/04/2024 03:17	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 03:17	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 03:17	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:17	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 03:17	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 03:17	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 03:17	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 03:17	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:17	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 03:17	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 03:17	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:17	AD
Zinc	0.0481	0.0200		mg/L	378762	1	07/04/2024 03:17	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-13
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 2:20:00 PM
Lab ID: 2406W35-070	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378776	1	07/01/2024 04:11	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378776	1	07/01/2024 04:11	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
2-Butanone	BRL	100		ug/L	378776	1	07/01/2024 04:11	OM
2-Hexanone	BRL	50		ug/L	378776	1	07/01/2024 04:11	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378776	1	07/01/2024 04:11	OM
Acetone	BRL	100		ug/L	378776	1	07/01/2024 04:11	OM
Acrylonitrile	BRL	50		ug/L	378776	1	07/01/2024 04:11	OM
Benzene	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
Bromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
Bromodichloromethane	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
Bromoform	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
Bromomethane	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
Carbon disulfide	BRL	5.0		ug/L	378776	1	07/01/2024 04:11	OM
Carbon tetrachloride	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
Chlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
Chloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
Chloroform	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
Chloromethane	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
Dibromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
Dibromomethane	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
Ethylbenzene	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
Iodomethane	BRL	100		ug/L	378776	1	07/01/2024 04:11	OM
Methylene chloride	BRL	5.0		ug/L	378776	1	07/01/2024 04:11	OM
Styrene	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM
Tetrachloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
Toluene	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378776	1	07/01/2024 04:11	OM
Trichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
Trichlorofluoromethane	BRL	10		ug/L	378776	1	07/01/2024 04:11	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-13
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 2:20:00 PM
Lab ID: 2406W35-070	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378776	1	07/01/2024 04:11	OM
Vinyl chloride	BRL	2.0		ug/L	378776	1	07/01/2024 04:11	OM
Xylenes, Total	BRL	5.0		ug/L	378776	1	07/01/2024 04:11	OM
Surr: 4-Bromofluorobenzene	97.9	70-126		%REC	378776	1	07/01/2024 04:11	OM
Surr: Dibromofluoromethane	101	77-121		%REC	378776	1	07/01/2024 04:11	OM
Surr: Toluene-d8	100	78.6-119		%REC	378776	1	07/01/2024 04:11	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-14
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 2:40:00 PM
Lab ID: 2406W35-071	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
1,1-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
1,1-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
1,2,3-Trichloropropane	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378776	1	07/01/2024 04:34	OM
1,2-Dibromoethane	BRL	1.0		ug/L	378776	1	07/01/2024 04:34	OM
1,2-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
1,2-Dichloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
1,2-Dichloropropane	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
1,4-Dichlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
2-Butanone	BRL	100		ug/L	378776	1	07/01/2024 04:34	OM
2-Hexanone	BRL	50		ug/L	378776	1	07/01/2024 04:34	OM
4-Methyl-2-pentanone	BRL	50		ug/L	378776	1	07/01/2024 04:34	OM
Acetone	BRL	100		ug/L	378776	1	07/01/2024 04:34	OM
Acrylonitrile	BRL	50		ug/L	378776	1	07/01/2024 04:34	OM
Benzene	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
Bromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
Bromodichloromethane	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
Bromoform	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
Bromomethane	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
Carbon disulfide	BRL	5.0		ug/L	378776	1	07/01/2024 04:34	OM
Carbon tetrachloride	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
Chlorobenzene	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
Chloroethane	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
Chloroform	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
Chloromethane	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
Dibromochloromethane	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
Dibromomethane	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
Ethylbenzene	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
Iodomethane	BRL	100		ug/L	378776	1	07/01/2024 04:34	OM
Methylene chloride	BRL	5.0		ug/L	378776	1	07/01/2024 04:34	OM
Styrene	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM
Tetrachloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
Toluene	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378776	1	07/01/2024 04:34	OM
Trichloroethene	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
Trichlorofluoromethane	BRL	10		ug/L	378776	1	07/01/2024 04:34	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-14
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 2:40:00 PM
Lab ID: 2406W35-071	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378776	1	07/01/2024 04:34	OM
Vinyl chloride	BRL	2.0		ug/L	378776	1	07/01/2024 04:34	OM
Xylenes, Total	BRL	5.0		ug/L	378776	1	07/01/2024 04:34	OM
Surr: 4-Bromofluorobenzene	96.2	70-126		%REC	378776	1	07/01/2024 04:34	OM
Surr: Dibromofluoromethane	101	77-121		%REC	378776	1	07/01/2024 04:34	OM
Surr: Toluene-d8	99.8	78.6-119		%REC	378776	1	07/01/2024 04:34	OM

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-072

Client Sample ID: GWC-14A
Collection Date: 6/25/2024 3:30:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,1-Dichloroethane	13	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378818	1	07/02/2024 21:37	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378818	1	07/02/2024 21:37	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
2-Butanone	BRL	100		ug/L	378818	1	07/02/2024 21:37	AV
2-Hexanone	BRL	50		ug/L	378818	1	07/02/2024 21:37	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378818	1	07/02/2024 21:37	AV
Acetone	BRL	100		ug/L	378818	1	07/02/2024 21:37	AV
Acetonitrile	BRL	200		ug/L	378818	1	07/02/2024 21:37	AV
Acrolein	BRL	50		ug/L	378818	1	07/02/2024 21:37	AV
Acrylonitrile	BRL	50		ug/L	378818	1	07/02/2024 21:37	AV
Allyl Chloride	BRL	100		ug/L	378818	1	07/02/2024 21:37	AV
Benzene	3.1	2.0		ug/L	378818	1	07/02/2024 21:37	AV
Bromochloromethane	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Bromodichloromethane	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Bromoform	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Bromomethane	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Carbon disulfide	BRL	5.0		ug/L	378818	1	07/02/2024 21:37	AV
Carbon tetrachloride	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
Chlorobenzene	14	10		ug/L	378818	1	07/02/2024 21:37	AV
Chloroethane	3.5	2.0		ug/L	378818	1	07/02/2024 21:37	AV
Chloroform	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
Chloromethane	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Chloroprene	BRL	20		ug/L	378818	1	07/02/2024 21:37	AV
cis-1,2-Dichloroethene	57	2.0		ug/L	378818	1	07/02/2024 21:37	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
Dibromochloromethane	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Dibromomethane	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Dichlorodifluoromethane	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Ethyl Methacrylate	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-072

Client Sample ID: GWC-14A
Collection Date: 6/25/2024 3:30:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
Iodomethane	BRL	100		ug/L	378818	1	07/02/2024 21:37	AV
Isobutyl Alcohol	BRL	200		ug/L	378818	1	07/02/2024 21:37	AV
Methyl Methacrylate	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Methylacrylonitrile	BRL	200		ug/L	378818	1	07/02/2024 21:37	AV
Methylene chloride	BRL	5.0		ug/L	378818	1	07/02/2024 21:37	AV
Naphthalene	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Propionitrile	BRL	100		ug/L	378818	1	07/02/2024 21:37	AV
Styrene	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Tetrachloroethene	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
Toluene	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378818	1	07/02/2024 21:37	AV
Trichloroethene	BRL	2.0		ug/L	378818	1	07/02/2024 21:37	AV
Trichlorofluoromethane	BRL	10		ug/L	378818	1	07/02/2024 21:37	AV
Vinyl acetate	BRL	100		ug/L	378818	1	07/02/2024 21:37	AV
Vinyl chloride	27	2.0		ug/L	378818	1	07/02/2024 21:37	AV
Xylenes, Total	BRL	5.0		ug/L	378818	1	07/02/2024 21:37	AV
Surr: 4-Bromofluorobenzene	99.7	70-126		%REC	378818	1	07/02/2024 21:37	AV
Surr: 4-Bromofluorobenzene	106	70-126		%REC	378818	1	07/02/2024 21:37	AV
Surr: Dibromofluoromethane	101	77-121		%REC	378818	1	07/02/2024 21:37	AV
Surr: Dibromofluoromethane	109	77-121		%REC	378818	1	07/02/2024 21:37	AV
Surr: Toluene-d8	96.6	78.6-119		%REC	378818	1	07/02/2024 21:37	AV
Surr: Toluene-d8	105	78.6-119		%REC	378818	1	07/02/2024 21:37	AV

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-073

Client Sample ID: GWC-17
Collection Date: 6/25/2024 4:00:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	07/01/2024 02:59	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	07/01/2024 02:59	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
2-Butanone	BRL	100		ug/L	378742	1	07/01/2024 02:59	AV
2-Hexanone	BRL	50		ug/L	378742	1	07/01/2024 02:59	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	07/01/2024 02:59	AV
Acetone	BRL	100		ug/L	378742	1	07/01/2024 02:59	AV
Acetonitrile	BRL	200		ug/L	378742	1	07/01/2024 02:59	AV
Acrolein	BRL	50		ug/L	378742	1	07/01/2024 02:59	AV
Acrylonitrile	BRL	50		ug/L	378742	1	07/01/2024 02:59	AV
Allyl Chloride	BRL	100		ug/L	378742	1	07/01/2024 02:59	AV
Benzene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
Bromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Bromoform	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Bromomethane	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	07/01/2024 02:59	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
Chlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Chloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
Chloroform	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
Chloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Chloroprene	BRL	20		ug/L	378742	1	07/01/2024 02:59	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Dibromomethane	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-17
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 4:00:00 PM
Lab ID: 2406W35-073	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
Iodomethane	BRL	100		ug/L	378742	1	07/01/2024 02:59	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	07/01/2024 02:59	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	07/01/2024 02:59	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	07/01/2024 02:59	AV
Naphthalene	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Propionitrile	BRL	100		ug/L	378742	1	07/01/2024 02:59	AV
Styrene	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
Toluene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	07/01/2024 02:59	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	07/01/2024 02:59	AV
Vinyl acetate	BRL	100		ug/L	378742	1	07/01/2024 02:59	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	07/01/2024 02:59	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	07/01/2024 02:59	AV
Surr: 4-Bromofluorobenzene	97.9	70-126		%REC	378742	1	07/01/2024 02:59	AV
Surr: 4-Bromofluorobenzene	104	70-126		%REC	378742	1	07/01/2024 02:59	AV
Surr: Dibromofluoromethane	101	77-121		%REC	378742	1	07/01/2024 02:59	AV
Surr: Dibromofluoromethane	110	77-121		%REC	378742	1	07/01/2024 02:59	AV
Surr: Toluene-d8	99	78.6-119		%REC	378742	1	07/01/2024 02:59	AV
Surr: Toluene-d8	107	78.6-119		%REC	378742	1	07/01/2024 02:59	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-074

Client Sample ID: GWC-19R
Collection Date: 6/25/2024 11:00:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D				(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378742	1	07/01/2024 03:22	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378742	1	07/01/2024 03:22	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
2-Butanone	BRL	100		ug/L	378742	1	07/01/2024 03:22	AV
2-Hexanone	BRL	50		ug/L	378742	1	07/01/2024 03:22	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378742	1	07/01/2024 03:22	AV
Acetone	BRL	100		ug/L	378742	1	07/01/2024 03:22	AV
Acetonitrile	BRL	200		ug/L	378742	1	07/01/2024 03:22	AV
Acrolein	BRL	50		ug/L	378742	1	07/01/2024 03:22	AV
Acrylonitrile	BRL	50		ug/L	378742	1	07/01/2024 03:22	AV
Allyl Chloride	BRL	100		ug/L	378742	1	07/01/2024 03:22	AV
Benzene	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
Bromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Bromodichloromethane	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Bromoform	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Bromomethane	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Carbon disulfide	BRL	5.0		ug/L	378742	1	07/01/2024 03:22	AV
Carbon tetrachloride	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
Chlorobenzene	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Chloroethane	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
Chloroform	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
Chloromethane	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Chloroprene	BRL	20		ug/L	378742	1	07/01/2024 03:22	AV
cis-1,2-Dichloroethene	2.6	2.0		ug/L	378742	1	07/01/2024 03:22	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
Dibromochloromethane	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Dibromomethane	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Dichlorodifluoromethane	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Ethyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-19R
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 11:00:00 AM
Lab ID: 2406W35-074	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
Iodomethane	BRL	100		ug/L	378742	1	07/01/2024 03:22	AV
Isobutyl Alcohol	BRL	200		ug/L	378742	1	07/01/2024 03:22	AV
Methyl Methacrylate	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Methylacrylonitrile	BRL	200		ug/L	378742	1	07/01/2024 03:22	AV
Methylene chloride	BRL	5.0		ug/L	378742	1	07/01/2024 03:22	AV
Naphthalene	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Propionitrile	BRL	100		ug/L	378742	1	07/01/2024 03:22	AV
Styrene	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Tetrachloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
Toluene	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378742	1	07/01/2024 03:22	AV
Trichloroethene	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
Trichlorofluoromethane	BRL	10		ug/L	378742	1	07/01/2024 03:22	AV
Vinyl acetate	BRL	100		ug/L	378742	1	07/01/2024 03:22	AV
Vinyl chloride	BRL	2.0		ug/L	378742	1	07/01/2024 03:22	AV
Xylenes, Total	BRL	5.0		ug/L	378742	1	07/01/2024 03:22	AV
Surr: 4-Bromofluorobenzene	98	70-126		%REC	378742	1	07/01/2024 03:22	AV
Surr: 4-Bromofluorobenzene	104	70-126		%REC	378742	1	07/01/2024 03:22	AV
Surr: Dibromofluoromethane	103	77-121		%REC	378742	1	07/01/2024 03:22	AV
Surr: Dibromofluoromethane	112	77-121		%REC	378742	1	07/01/2024 03:22	AV
Surr: Toluene-d8	101	78.6-119		%REC	378742	1	07/01/2024 03:22	AV
Surr: Toluene-d8	109	78.6-119		%REC	378742	1	07/01/2024 03:22	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-075

Client Sample ID: GWC-22
Collection Date: 6/25/2024 4:20:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	06/30/2024 19:10	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	06/30/2024 19:10	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
2-Butanone	BRL	100		ug/L	378771	1	06/30/2024 19:10	AG
2-Hexanone	BRL	50		ug/L	378771	1	06/30/2024 19:10	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	06/30/2024 19:10	AG
Acetone	BRL	100		ug/L	378771	1	06/30/2024 19:10	AG
Acrylonitrile	BRL	50		ug/L	378771	1	06/30/2024 19:10	AG
Benzene	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
Bromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
Bromoform	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
Bromomethane	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	06/30/2024 19:10	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
Chlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
Chloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
Chloroform	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
Chloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
Dibromomethane	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
Iodomethane	BRL	100		ug/L	378771	1	06/30/2024 19:10	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	06/30/2024 19:10	AG
Styrene	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
Toluene	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	06/30/2024 19:10	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	06/30/2024 19:10	AG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-22
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 4:20:00 PM
Lab ID: 2406W35-075	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	06/30/2024 19:10	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	06/30/2024 19:10	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	06/30/2024 19:10	AG
Surr: 4-Bromofluorobenzene	93.9	70-126		%REC	378771	1	06/30/2024 19:10	AG
Surr: Dibromofluoromethane	99.2	77-121		%REC	378771	1	06/30/2024 19:10	AG
Surr: Toluene-d8	95	78.6-119		%REC	378771	1	06/30/2024 19:10	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-23
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 12:45:00 PM
Lab ID: 2406W35-076	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	06/30/2024 19:33	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	06/30/2024 19:33	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
2-Butanone	BRL	100		ug/L	378771	1	06/30/2024 19:33	AG
2-Hexanone	BRL	50		ug/L	378771	1	06/30/2024 19:33	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	06/30/2024 19:33	AG
Acetone	BRL	100		ug/L	378771	1	06/30/2024 19:33	AG
Acrylonitrile	BRL	50		ug/L	378771	1	06/30/2024 19:33	AG
Benzene	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
Bromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
Bromoform	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
Bromomethane	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	06/30/2024 19:33	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
Chlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
Chloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
Chloroform	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
Chloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
Dibromomethane	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
Iodomethane	BRL	100		ug/L	378771	1	06/30/2024 19:33	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	06/30/2024 19:33	AG
Styrene	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
Toluene	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	06/30/2024 19:33	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	06/30/2024 19:33	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-076

Client Sample ID: GWC-23
Collection Date: 6/25/2024 12:45:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	06/30/2024 19:33	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	06/30/2024 19:33	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	06/30/2024 19:33	AG
Surr: 4-Bromofluorobenzene	93.7	70-126		%REC	378771	1	06/30/2024 19:33	AG
Surr: Dibromofluoromethane	96.8	77-121		%REC	378771	1	06/30/2024 19:33	AG
Surr: Toluene-d8	94.2	78.6-119		%REC	378771	1	06/30/2024 19:33	AG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-12
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 4:30:00 PM
Lab ID: 2406W35-077	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	06/30/2024 19:55	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	06/30/2024 19:55	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
2-Butanone	BRL	100		ug/L	378771	1	06/30/2024 19:55	AG
2-Hexanone	BRL	50		ug/L	378771	1	06/30/2024 19:55	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	06/30/2024 19:55	AG
Acetone	BRL	100		ug/L	378771	1	06/30/2024 19:55	AG
Acrylonitrile	BRL	50		ug/L	378771	1	06/30/2024 19:55	AG
Benzene	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
Bromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
Bromoform	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
Bromomethane	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	06/30/2024 19:55	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
Chlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
Chloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
Chloroform	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
Chloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
Dibromomethane	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
Iodomethane	BRL	100		ug/L	378771	1	06/30/2024 19:55	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	06/30/2024 19:55	AG
Styrene	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
Toluene	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	06/30/2024 19:55	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	06/30/2024 19:55	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-12
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 4:30:00 PM
Lab ID: 2406W35-077	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	06/30/2024 19:55	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	06/30/2024 19:55	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	06/30/2024 19:55	AG
Surr: 4-Bromofluorobenzene	95.4	70-126		%REC	378771	1	06/30/2024 19:55	AG
Surr: Dibromofluoromethane	106	77-121		%REC	378771	1	06/30/2024 19:55	AG
Surr: Toluene-d8	97.5	78.6-119		%REC	378771	1	06/30/2024 19:55	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-078

Client Sample ID: GWC-12A
Collection Date: 6/24/2024 4:55:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	06/30/2024 20:17	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	06/30/2024 20:17	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
2-Butanone	BRL	100		ug/L	378771	1	06/30/2024 20:17	AG
2-Hexanone	BRL	50		ug/L	378771	1	06/30/2024 20:17	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	06/30/2024 20:17	AG
Acetone	BRL	100		ug/L	378771	1	06/30/2024 20:17	AG
Acrylonitrile	BRL	50		ug/L	378771	1	06/30/2024 20:17	AG
Benzene	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
Bromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
Bromoform	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
Bromomethane	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	06/30/2024 20:17	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
Chlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
Chloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
Chloroform	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
Chloromethane	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
Dibromomethane	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
Iodomethane	BRL	100		ug/L	378771	1	06/30/2024 20:17	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	06/30/2024 20:17	AG
Styrene	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
Toluene	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	06/30/2024 20:17	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	06/30/2024 20:17	AG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-12A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024 4:55:00 PM
Lab ID: 2406W35-078	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	06/30/2024 20:17	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	06/30/2024 20:17	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	06/30/2024 20:17	AG
Surr: 4-Bromofluorobenzene	92.5	70-126		%REC	378771	1	06/30/2024 20:17	AG
Surr: Dibromofluoromethane	101	77-121		%REC	378771	1	06/30/2024 20:17	AG
Surr: Toluene-d8	95.2	78.6-119		%REC	378771	1	06/30/2024 20:17	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-12
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 9:15:00 AM
Lab ID: 2406W35-079	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 03:21	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 03:21	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:21	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 03:21	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 03:21	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:21	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 03:21	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 03:21	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 03:21	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 03:21	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:21	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 03:21	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 03:21	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:21	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 03:21	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-12A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 9:20:00 AM
Lab ID: 2406W35-080	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 03:49	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 03:49	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:49	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 03:49	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 03:49	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:49	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 03:49	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 03:49	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 03:49	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 03:49	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:49	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 03:49	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 03:49	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:49	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 03:49	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-081

Client Sample ID: GWC-11
Collection Date: 6/25/2024 9:50:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	06/30/2024 20:40	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	06/30/2024 20:40	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
2-Butanone	BRL	100		ug/L	378771	1	06/30/2024 20:40	AG
2-Hexanone	BRL	50		ug/L	378771	1	06/30/2024 20:40	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	06/30/2024 20:40	AG
Acetone	BRL	100		ug/L	378771	1	06/30/2024 20:40	AG
Acrylonitrile	BRL	50		ug/L	378771	1	06/30/2024 20:40	AG
Benzene	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
Bromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
Bromoform	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
Bromomethane	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	06/30/2024 20:40	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
Chlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
Chloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
Chloroform	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
Chloromethane	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
Dibromomethane	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
Iodomethane	BRL	100		ug/L	378771	1	06/30/2024 20:40	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	06/30/2024 20:40	AG
Styrene	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
Toluene	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	06/30/2024 20:40	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	06/30/2024 20:40	AG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-11
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 9:50:00 AM
Lab ID: 2406W35-081	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	06/30/2024 20:40	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	06/30/2024 20:40	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	06/30/2024 20:40	AG
Surr: 4-Bromofluorobenzene	92.2	70-126		%REC	378771	1	06/30/2024 20:40	AG
Surr: Dibromofluoromethane	102	77-121		%REC	378771	1	06/30/2024 20:40	AG
Surr: Toluene-d8	95.2	78.6-119		%REC	378771	1	06/30/2024 20:40	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 10:55:00 AM
Lab ID: 2406W35-082	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,1-Dichloroethane	2.9	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378828	1	07/03/2024 11:24	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378828	1	07/03/2024 11:24	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
2-Butanone	BRL	100		ug/L	378828	1	07/03/2024 11:24	AV
2-Hexanone	BRL	50		ug/L	378828	1	07/03/2024 11:24	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378828	1	07/03/2024 11:24	AV
Acetone	BRL	100		ug/L	378828	1	07/03/2024 11:24	AV
Acetonitrile	BRL	200		ug/L	378828	1	07/03/2024 11:24	AV
Acrolein	BRL	50		ug/L	378828	1	07/03/2024 11:24	AV
Acrylonitrile	BRL	50		ug/L	378828	1	07/03/2024 11:24	AV
Allyl Chloride	BRL	100		ug/L	378828	1	07/03/2024 11:24	AV
Benzene	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
Bromochloromethane	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Bromodichloromethane	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Bromoform	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Bromomethane	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Carbon disulfide	BRL	5.0		ug/L	378828	1	07/03/2024 11:24	AV
Carbon tetrachloride	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
Chlorobenzene	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Chloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
Chloroform	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
Chloromethane	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Chloroprene	BRL	20		ug/L	378828	1	07/03/2024 11:24	AV
cis-1,2-Dichloroethene	22	2.0		ug/L	378828	1	07/03/2024 11:24	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
Dibromochloromethane	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Dibromomethane	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Dichlorodifluoromethane	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Ethyl Methacrylate	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-3A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 10:55:00 AM
Lab ID: 2406W35-082	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
Iodomethane	BRL	100		ug/L	378828	1	07/03/2024 11:24	AV
Isobutyl Alcohol	BRL	200		ug/L	378828	1	07/03/2024 11:24	AV
Methyl Methacrylate	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Methylacrylonitrile	BRL	200		ug/L	378828	1	07/03/2024 11:24	AV
Methylene chloride	BRL	5.0		ug/L	378828	1	07/03/2024 11:24	AV
Naphthalene	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Propionitrile	BRL	100		ug/L	378828	1	07/03/2024 11:24	AV
Styrene	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Tetrachloroethene	7.8	2.0		ug/L	378828	1	07/03/2024 11:24	AV
Toluene	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378828	1	07/03/2024 11:24	AV
Trichloroethene	6.8	2.0		ug/L	378828	1	07/03/2024 11:24	AV
Trichlorofluoromethane	BRL	10		ug/L	378828	1	07/03/2024 11:24	AV
Vinyl acetate	BRL	100		ug/L	378828	1	07/03/2024 11:24	AV
Vinyl chloride	BRL	2.0		ug/L	378828	1	07/03/2024 11:24	AV
Xylenes, Total	BRL	5.0		ug/L	378828	1	07/03/2024 11:24	AV
Surr: 4-Bromofluorobenzene	99.5	70-126		%REC	378828	1	07/03/2024 11:24	AV
Surr: 4-Bromofluorobenzene	106	70-126		%REC	378828	1	07/03/2024 11:24	AV
Surr: Dibromofluoromethane	100	77-121		%REC	378828	1	07/03/2024 11:24	AV
Surr: Dibromofluoromethane	108	77-121		%REC	378828	1	07/03/2024 11:24	AV
Surr: Toluene-d8	97.8	78.6-119		%REC	378828	1	07/03/2024 11:24	AV
Surr: Toluene-d8	106	78.6-119		%REC	378828	1	07/03/2024 11:24	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-083

Client Sample ID: PH1-GWC-4
Collection Date: 6/25/2024 10:15:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	06/30/2024 21:02	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	06/30/2024 21:02	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
2-Butanone	BRL	100		ug/L	378771	1	06/30/2024 21:02	AG
2-Hexanone	BRL	50		ug/L	378771	1	06/30/2024 21:02	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	06/30/2024 21:02	AG
Acetone	BRL	100		ug/L	378771	1	06/30/2024 21:02	AG
Acrylonitrile	BRL	50		ug/L	378771	1	06/30/2024 21:02	AG
Benzene	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
Bromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
Bromoform	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
Bromomethane	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	06/30/2024 21:02	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
Chlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
Chloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
Chloroform	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
Chloromethane	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
Dibromomethane	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
Iodomethane	BRL	100		ug/L	378771	1	06/30/2024 21:02	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	06/30/2024 21:02	AG
Styrene	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
Toluene	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	06/30/2024 21:02	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	06/30/2024 21:02	AG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 10:15:00 AM
Lab ID: 2406W35-083	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	06/30/2024 21:02	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	06/30/2024 21:02	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	06/30/2024 21:02	AG
Surr: 4-Bromofluorobenzene	91.3	70-126		%REC	378771	1	06/30/2024 21:02	AG
Surr: Dibromofluoromethane	101	77-121		%REC	378771	1	06/30/2024 21:02	AG
Surr: Toluene-d8	96.5	78.6-119		%REC	378771	1	06/30/2024 21:02	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-084

Client Sample ID: PH1-GWC-3
Collection Date: 6/25/2024 11:30:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,1-Dichloroethane	3.9	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378828	1	07/05/2024 14:30	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378828	1	07/05/2024 14:30	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
2-Butanone	BRL	100		ug/L	378828	1	07/05/2024 14:30	AV
2-Hexanone	BRL	50		ug/L	378828	1	07/05/2024 14:30	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378828	1	07/05/2024 14:30	AV
Acetone	BRL	100		ug/L	378828	1	07/05/2024 14:30	AV
Acetonitrile	BRL	200		ug/L	378828	1	07/05/2024 14:30	AV
Acrolein	BRL	50		ug/L	378828	1	07/05/2024 14:30	AV
Acrylonitrile	BRL	50		ug/L	378828	1	07/05/2024 14:30	AV
Allyl Chloride	BRL	100		ug/L	378828	1	07/05/2024 14:30	AV
Benzene	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
Bromochloromethane	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Bromodichloromethane	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Bromoform	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Bromomethane	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Carbon disulfide	BRL	5.0		ug/L	378828	1	07/05/2024 14:30	AV
Carbon tetrachloride	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
Chlorobenzene	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Chloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
Chloroform	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
Chloromethane	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Chloroprene	BRL	20		ug/L	378828	1	07/05/2024 14:30	AV
cis-1,2-Dichloroethene	19	2.0		ug/L	378828	1	07/05/2024 14:30	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
Dibromochloromethane	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Dibromomethane	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Dichlorodifluoromethane	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Ethyl Methacrylate	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWC-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 11:30:00 AM
Lab ID: 2406W35-084	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D				(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
Iodomethane	BRL	100		ug/L	378828	1	07/05/2024 14:30	AV
Isobutyl Alcohol	BRL	200		ug/L	378828	1	07/05/2024 14:30	AV
Methyl Methacrylate	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Methylacrylonitrile	BRL	200		ug/L	378828	1	07/05/2024 14:30	AV
Methylene chloride	BRL	5.0		ug/L	378828	1	07/05/2024 14:30	AV
Naphthalene	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Propionitrile	BRL	100		ug/L	378828	1	07/05/2024 14:30	AV
Styrene	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Tetrachloroethene	7.3	2.0		ug/L	378828	1	07/05/2024 14:30	AV
Toluene	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378828	1	07/05/2024 14:30	AV
Trichloroethene	6.3	2.0		ug/L	378828	1	07/05/2024 14:30	AV
Trichlorofluoromethane	BRL	10		ug/L	378828	1	07/05/2024 14:30	AV
Vinyl acetate	BRL	100		ug/L	378828	1	07/05/2024 14:30	AV
Vinyl chloride	BRL	2.0		ug/L	378828	1	07/05/2024 14:30	AV
Xylenes, Total	BRL	5.0		ug/L	378828	1	07/05/2024 14:30	AV
Surr: 4-Bromofluorobenzene	95.8	70-126		%REC	378828	1	07/05/2024 14:30	AV
Surr: 4-Bromofluorobenzene	102	70-126		%REC	378828	1	07/05/2024 14:30	AV
Surr: Dibromofluoromethane	101	77-121		%REC	378828	1	07/05/2024 14:30	AV
Surr: Dibromofluoromethane	109	77-121		%REC	378828	1	07/05/2024 14:30	AV
Surr: Toluene-d8	98.5	78.6-119		%REC	378828	1	07/05/2024 14:30	AV
Surr: Toluene-d8	107	78.6-119		%REC	378828	1	07/05/2024 14:30	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-085

Client Sample ID: PH1-GWA-3A
Collection Date: 6/25/2024 12:05:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	06/30/2024 21:25	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	06/30/2024 21:25	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
2-Butanone	BRL	100		ug/L	378771	1	06/30/2024 21:25	AG
2-Hexanone	BRL	50		ug/L	378771	1	06/30/2024 21:25	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	06/30/2024 21:25	AG
Acetone	BRL	100		ug/L	378771	1	06/30/2024 21:25	AG
Acrylonitrile	BRL	50		ug/L	378771	1	06/30/2024 21:25	AG
Benzene	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
Bromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
Bromoform	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
Bromomethane	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	06/30/2024 21:25	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
Chlorobenzene	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
Chloroethane	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
Chloroform	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
Chloromethane	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
Dibromomethane	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
Iodomethane	BRL	100		ug/L	378771	1	06/30/2024 21:25	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	06/30/2024 21:25	AG
Styrene	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
Toluene	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	06/30/2024 21:25	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	06/30/2024 21:25	AG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-085

Client Sample ID: PH1-GWA-3A
Collection Date: 6/25/2024 12:05:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	06/30/2024 21:25	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	06/30/2024 21:25	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	06/30/2024 21:25	AG
Surr: 4-Bromofluorobenzene	89.2	70-126		%REC	378771	1	06/30/2024 21:25	AG
Surr: Dibromofluoromethane	103	77-121		%REC	378771	1	06/30/2024 21:25	AG
Surr: Toluene-d8	95.3	78.6-119		%REC	378771	1	06/30/2024 21:25	AG
APPENDIX I METALS SW6020B				(SW3005A)				
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 03:53	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 03:53	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:53	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 03:53	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 03:53	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:53	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 03:53	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 03:53	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 03:53	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 03:53	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:53	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 03:53	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 03:53	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:53	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 03:53	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-10
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 12:50:00 PM
Lab ID: 2406W35-086	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	07/03/2024 12:14	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	07/03/2024 12:14	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
2-Butanone	BRL	100		ug/L	378771	1	07/03/2024 12:14	AG
2-Hexanone	BRL	50		ug/L	378771	1	07/03/2024 12:14	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	07/03/2024 12:14	AG
Acetone	BRL	100		ug/L	378771	1	07/03/2024 12:14	AG
Acrylonitrile	BRL	50		ug/L	378771	1	07/03/2024 12:14	AG
Benzene	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
Bromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
Bromoform	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
Bromomethane	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	07/03/2024 12:14	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
Chlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
Chloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
Chloroform	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
Chloromethane	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
Dibromomethane	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
Iodomethane	BRL	100		ug/L	378771	1	07/03/2024 12:14	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	07/03/2024 12:14	AG
Styrene	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
Toluene	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	07/03/2024 12:14	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	07/03/2024 12:14	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-10
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 12:50:00 PM
Lab ID: 2406W35-086	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	07/03/2024 12:14	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	07/03/2024 12:14	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	07/03/2024 12:14	AG
Surr: 4-Bromofluorobenzene	89.9	70-126		%REC	378771	1	07/03/2024 12:14	AG
Surr: Dibromofluoromethane	106	77-121		%REC	378771	1	07/03/2024 12:14	AG
Surr: Toluene-d8	96.3	78.6-119		%REC	378771	1	07/03/2024 12:14	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-087

Client Sample ID: GWC-10A
Collection Date: 6/25/2024 1:25:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	07/03/2024 11:52	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	07/03/2024 11:52	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
2-Butanone	BRL	100		ug/L	378771	1	07/03/2024 11:52	AG
2-Hexanone	BRL	50		ug/L	378771	1	07/03/2024 11:52	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	07/03/2024 11:52	AG
Acetone	BRL	100		ug/L	378771	1	07/03/2024 11:52	AG
Acrylonitrile	BRL	50		ug/L	378771	1	07/03/2024 11:52	AG
Benzene	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
Bromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
Bromoform	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
Bromomethane	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	07/03/2024 11:52	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
Chlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
Chloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
Chloroform	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
Chloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
Dibromomethane	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
Iodomethane	BRL	100		ug/L	378771	1	07/03/2024 11:52	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	07/03/2024 11:52	AG
Styrene	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
Toluene	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	07/03/2024 11:52	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	07/03/2024 11:52	AG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-10A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/25/2024 1:25:00 PM
Lab ID: 2406W35-087	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	07/03/2024 11:52	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	07/03/2024 11:52	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	07/03/2024 11:52	AG
Surr: 4-Bromofluorobenzene	91.5	70-126		%REC	378771	1	07/03/2024 11:52	AG
Surr: Dibromofluoromethane	108	77-121		%REC	378771	1	07/03/2024 11:52	AG
Surr: Toluene-d8	95.3	78.6-119		%REC	378771	1	07/03/2024 11:52	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-088

Client Sample ID: PH1-GWA-2
Collection Date: 6/27/2024 8:55:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 03:57	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 03:57	AD
Barium	0.0472	0.0200		mg/L	378762	1	07/04/2024 03:57	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 03:57	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 03:57	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:57	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 03:57	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 03:57	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 03:57	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 03:57	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 03:57	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 03:57	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 03:57	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 03:57	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 03:57	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWA-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 9:15:00 AM
Lab ID: 2406W35-089	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 04:01	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 04:01	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 04:01	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 04:01	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 04:01	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 04:01	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 04:01	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 04:01	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 04:01	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 04:01	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 04:01	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 04:01	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 04:01	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 04:01	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 04:01	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWB-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 8:35:00 AM
Lab ID: 2406W35-090	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 04:05	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 04:05	AD
Barium	0.0353	0.0200		mg/L	378762	1	07/04/2024 04:05	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 04:05	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 04:05	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 04:05	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 04:05	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 04:05	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 04:05	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 04:05	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 04:05	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 04:05	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 04:05	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 04:05	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 04:05	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: PH1-GWB-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 8:15:00 AM
Lab ID: 2406W35-091	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 04:09	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 04:09	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 04:09	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 04:09	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 04:09	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 04:09	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 04:09	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 04:09	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 04:09	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 04:09	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 04:09	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 04:09	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 04:09	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 04:09	AD
Zinc	0.0284	0.0200		mg/L	378762	1	07/04/2024 04:09	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-9
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 8:25:00 AM
Lab ID: 2406W35-092	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 04:13	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 04:13	AD
Barium	BRL	0.0200		mg/L	378762	1	07/04/2024 04:13	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 04:13	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 04:13	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 04:13	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 04:13	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 04:13	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 04:13	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 04:13	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 04:13	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 04:13	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 04:13	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 04:13	AD
Zinc	BRL	0.0200		mg/L	378762	1	07/04/2024 04:13	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWA-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 8:50:00 AM
Lab ID: 2406W35-093	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	378762	1	07/04/2024 04:17	AD
Arsenic	BRL	0.0100		mg/L	378762	1	07/04/2024 04:17	AD
Barium	0.0232	0.0200		mg/L	378762	1	07/04/2024 04:17	AD
Beryllium	BRL	0.00300		mg/L	378762	1	07/04/2024 04:17	AD
Cadmium	BRL	0.00500		mg/L	378762	1	07/04/2024 04:17	AD
Chromium	BRL	0.0100		mg/L	378762	1	07/04/2024 04:17	AD
Cobalt	BRL	0.0400		mg/L	378762	1	07/04/2024 04:17	AD
Copper	BRL	0.0200		mg/L	378762	1	07/04/2024 04:17	AD
Lead	BRL	0.0150		mg/L	378762	1	07/04/2024 04:17	AD
Nickel	BRL	0.0200		mg/L	378762	1	07/04/2024 04:17	AD
Selenium	BRL	0.0100		mg/L	378762	1	07/04/2024 04:17	AD
Silver	BRL	0.0100		mg/L	378762	1	07/04/2024 04:17	AD
Thallium	BRL	0.00200		mg/L	378762	1	07/04/2024 04:17	AD
Vanadium	BRL	0.0200		mg/L	378762	1	07/04/2024 04:17	AD
Zinc	0.0255	0.0200		mg/L	378762	1	07/04/2024 04:17	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWA-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 9:15:00 AM
Lab ID: 2406W35-094	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS								
SW6020B								
					(SW3005A)			
Antimony	BRL	0.00600		mg/L	378763	1	07/04/2024 09:06	AD
Arsenic	BRL	0.0100		mg/L	378763	1	07/04/2024 09:06	AD
Barium	0.0216	0.0200		mg/L	378763	1	07/04/2024 09:06	AD
Beryllium	BRL	0.00300		mg/L	378763	1	07/04/2024 09:06	AD
Cadmium	BRL	0.00500		mg/L	378763	1	07/04/2024 09:06	AD
Chromium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:06	AD
Cobalt	BRL	0.0400		mg/L	378763	1	07/04/2024 09:06	AD
Copper	BRL	0.0200		mg/L	378763	1	07/04/2024 09:06	AD
Lead	BRL	0.0150		mg/L	378763	1	07/04/2024 09:06	AD
Nickel	BRL	0.0200		mg/L	378763	1	07/04/2024 09:06	AD
Selenium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:06	AD
Silver	BRL	0.0100		mg/L	378763	1	07/04/2024 09:06	AD
Thallium	BRL	0.00200		mg/L	378763	1	07/04/2024 09:06	AD
Vanadium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:06	AD
Zinc	0.0406	0.0200		mg/L	378763	1	07/04/2024 09:06	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-8
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 10:25:00 AM
Lab ID: 2406W35-095	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378763	1	07/04/2024 09:10	AD
Arsenic	BRL	0.0100		mg/L	378763	1	07/04/2024 09:10	AD
Barium	0.0255	0.0200		mg/L	378763	1	07/04/2024 09:10	AD
Beryllium	BRL	0.00300		mg/L	378763	1	07/04/2024 09:10	AD
Cadmium	BRL	0.00500		mg/L	378763	1	07/04/2024 09:10	AD
Chromium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:10	AD
Cobalt	BRL	0.0400		mg/L	378763	1	07/04/2024 09:10	AD
Copper	BRL	0.0200		mg/L	378763	1	07/04/2024 09:10	AD
Lead	BRL	0.0150		mg/L	378763	1	07/04/2024 09:10	AD
Nickel	BRL	0.0200		mg/L	378763	1	07/04/2024 09:10	AD
Selenium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:10	AD
Silver	BRL	0.0100		mg/L	378763	1	07/04/2024 09:10	AD
Thallium	BRL	0.00200		mg/L	378763	1	07/04/2024 09:10	AD
Vanadium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:10	AD
Zinc	BRL	0.0200		mg/L	378763	1	07/04/2024 09:10	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-8A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 10:15:00 AM
Lab ID: 2406W35-096	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378763	1	07/04/2024 09:38	AD
Arsenic	BRL	0.0100		mg/L	378763	1	07/04/2024 09:38	AD
Barium	0.0439	0.0200		mg/L	378763	1	07/04/2024 09:38	AD
Beryllium	BRL	0.00300		mg/L	378763	1	07/04/2024 09:38	AD
Cadmium	BRL	0.00500		mg/L	378763	1	07/04/2024 09:38	AD
Chromium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:38	AD
Cobalt	BRL	0.0400		mg/L	378763	1	07/04/2024 09:38	AD
Copper	BRL	0.0200		mg/L	378763	1	07/04/2024 09:38	AD
Lead	BRL	0.0150		mg/L	378763	1	07/04/2024 09:38	AD
Nickel	BRL	0.0200		mg/L	378763	1	07/04/2024 09:38	AD
Selenium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:38	AD
Silver	BRL	0.0100		mg/L	378763	1	07/04/2024 09:38	AD
Thallium	BRL	0.00200		mg/L	378763	1	07/04/2024 09:38	AD
Vanadium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:38	AD
Zinc	BRL	0.0200		mg/L	378763	1	07/04/2024 09:38	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-097

Client Sample ID: GWC-18
Collection Date: 6/27/2024 8:15:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378763	1	07/04/2024 09:42	AD
Arsenic	BRL	0.0100		mg/L	378763	1	07/04/2024 09:42	AD
Barium	0.120	0.0200		mg/L	378763	1	07/04/2024 09:42	AD
Beryllium	BRL	0.00300		mg/L	378763	1	07/04/2024 09:42	AD
Cadmium	BRL	0.00500		mg/L	378763	1	07/04/2024 09:42	AD
Chromium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:42	AD
Cobalt	BRL	0.0400		mg/L	378763	1	07/04/2024 09:42	AD
Copper	BRL	0.0200		mg/L	378763	1	07/04/2024 09:42	AD
Lead	BRL	0.0150		mg/L	378763	1	07/04/2024 09:42	AD
Nickel	0.0381	0.0200		mg/L	378763	1	07/04/2024 09:42	AD
Selenium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:42	AD
Silver	BRL	0.0100		mg/L	378763	1	07/04/2024 09:42	AD
Thallium	BRL	0.00200		mg/L	378763	1	07/04/2024 09:42	AD
Vanadium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:42	AD
Zinc	BRL	0.0200		mg/L	378763	1	07/04/2024 09:42	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-098

Client Sample ID: GWC-24
Collection Date: 6/27/2024 9:35:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378763	1	07/04/2024 09:46	AD
Arsenic	BRL	0.0100		mg/L	378763	1	07/04/2024 09:46	AD
Barium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:46	AD
Beryllium	BRL	0.00300		mg/L	378763	1	07/04/2024 09:46	AD
Cadmium	BRL	0.00500		mg/L	378763	1	07/04/2024 09:46	AD
Chromium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:46	AD
Cobalt	BRL	0.0400		mg/L	378763	1	07/04/2024 09:46	AD
Copper	BRL	0.0200		mg/L	378763	1	07/04/2024 09:46	AD
Lead	BRL	0.0150		mg/L	378763	1	07/04/2024 09:46	AD
Nickel	BRL	0.0200		mg/L	378763	1	07/04/2024 09:46	AD
Selenium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:46	AD
Silver	BRL	0.0100		mg/L	378763	1	07/04/2024 09:46	AD
Thallium	BRL	0.00200		mg/L	378763	1	07/04/2024 09:46	AD
Vanadium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:46	AD
Zinc	BRL	0.0200		mg/L	378763	1	07/04/2024 09:46	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 9:40:00 AM
Lab ID: 2406W35-099	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378763	1	07/04/2024 09:50	AD
Arsenic	BRL	0.0100		mg/L	378763	1	07/04/2024 09:50	AD
Barium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:50	AD
Beryllium	BRL	0.00300		mg/L	378763	1	07/04/2024 09:50	AD
Cadmium	BRL	0.00500		mg/L	378763	1	07/04/2024 09:50	AD
Chromium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:50	AD
Cobalt	BRL	0.0400		mg/L	378763	1	07/04/2024 09:50	AD
Copper	BRL	0.0200		mg/L	378763	1	07/04/2024 09:50	AD
Lead	BRL	0.0150		mg/L	378763	1	07/04/2024 09:50	AD
Nickel	BRL	0.0200		mg/L	378763	1	07/04/2024 09:50	AD
Selenium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:50	AD
Silver	BRL	0.0100		mg/L	378763	1	07/04/2024 09:50	AD
Thallium	BRL	0.00200		mg/L	378763	1	07/04/2024 09:50	AD
Vanadium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:50	AD
Zinc	BRL	0.0200		mg/L	378763	1	07/04/2024 09:50	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: AMW-13
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 9:50:00 AM
Lab ID: 2406W35-100	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I METALS	SW6020B				(SW3005A)			
Antimony	BRL	0.00600		mg/L	378763	1	07/04/2024 09:54	AD
Arsenic	BRL	0.0100		mg/L	378763	1	07/04/2024 09:54	AD
Barium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:54	AD
Beryllium	BRL	0.00300		mg/L	378763	1	07/04/2024 09:54	AD
Cadmium	BRL	0.00500		mg/L	378763	1	07/04/2024 09:54	AD
Chromium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:54	AD
Cobalt	BRL	0.0400		mg/L	378763	1	07/04/2024 09:54	AD
Copper	BRL	0.0200		mg/L	378763	1	07/04/2024 09:54	AD
Lead	BRL	0.0150		mg/L	378763	1	07/04/2024 09:54	AD
Nickel	BRL	0.0200		mg/L	378763	1	07/04/2024 09:54	AD
Selenium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:54	AD
Silver	BRL	0.0100		mg/L	378763	1	07/04/2024 09:54	AD
Thallium	BRL	0.00200		mg/L	378763	1	07/04/2024 09:54	AD
Vanadium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:54	AD
Zinc	BRL	0.0200		mg/L	378763	1	07/04/2024 09:54	AD

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWA-1
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 12:45:00 PM
Lab ID: 2406W35-101	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B-2014								
Organic Carbon, Total	8.62	1.00		mg/L	R549032	1	07/05/2024 14:36	AY
Total Cyanide SM4500 CN-C, E-2016 (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	378757	1	07/02/2024 15:35	JO
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	378836	1	07/06/2024 21:44	SK
Inorganic Anions by IC E300.0								
Chloride	1.89	1.00		mg/L	R548907	1	07/02/2024 12:28	MS
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	10.3	10.0		mg/L	R548889	1	07/02/2024 15:04	G
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	378764	1	07/03/2024 15:06	RR
Barium	0.0424	0.0200		mg/L	378764	1	07/03/2024 15:06	RR
Cadmium	BRL	0.0050		mg/L	378764	1	07/03/2024 15:06	RR
Chromium	BRL	0.0100		mg/L	378764	1	07/03/2024 15:06	RR
Lead	BRL	0.0100		mg/L	378764	1	07/03/2024 15:06	RR
Nickel	BRL	0.0200		mg/L	378764	1	07/03/2024 15:06	RR
Selenium	BRL	0.0200		mg/L	378764	1	07/03/2024 15:06	RR
Silver	BRL	0.0100		mg/L	378764	1	07/03/2024 15:06	RR
Zinc	BRL	0.0200		mg/L	378764	1	07/03/2024 15:06	RR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWA-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 12:50:00 PM
Lab ID: 2406W35-102	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B-2014								
Organic Carbon, Total	2.79	1.00		mg/L	R549032	1	07/05/2024 15:12	AY
Total Cyanide SM4500 CN-C, E-2016 (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	378757	1	07/02/2024 15:37	JO
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	378836	1	07/06/2024 21:48	SK
Inorganic Anions by IC E300.0								
Chloride	1.36	1.00		mg/L	R548907	1	07/02/2024 12:39	MS
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R548889	1	07/02/2024 15:04	G
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	378764	1	07/03/2024 15:09	RR
Barium	BRL	0.0200		mg/L	378764	1	07/03/2024 15:09	RR
Cadmium	BRL	0.0050		mg/L	378764	1	07/03/2024 15:09	RR
Chromium	BRL	0.0100		mg/L	378764	1	07/03/2024 15:09	RR
Lead	BRL	0.0100		mg/L	378764	1	07/03/2024 15:09	RR
Nickel	BRL	0.0200		mg/L	378764	1	07/03/2024 15:09	RR
Selenium	BRL	0.0200		mg/L	378764	1	07/03/2024 15:09	RR
Silver	BRL	0.0100		mg/L	378764	1	07/03/2024 15:09	RR
Zinc	BRL	0.0200		mg/L	378764	1	07/03/2024 15:09	RR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-2
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 11:40:00 AM
Lab ID: 2406W35-103	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B-2014								
Organic Carbon, Total	4.44	1.00		mg/L	R549032	1	07/05/2024 17:20	AY
Total Cyanide SM4500 CN-C, E-2016 (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	378757	1	07/02/2024 15:40	JO
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	378836	1	07/06/2024 21:52	SK
Inorganic Anions by IC E300.0								
Chloride	2.72	1.00		mg/L	R548907	1	07/02/2024 13:33	MS
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R548889	1	07/02/2024 15:04	G
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	378764	1	07/03/2024 15:12	RR
Barium	0.0202	0.0200		mg/L	378764	1	07/03/2024 15:12	RR
Cadmium	BRL	0.0050		mg/L	378764	1	07/03/2024 15:12	RR
Chromium	BRL	0.0100		mg/L	378764	1	07/03/2024 15:12	RR
Lead	BRL	0.0100		mg/L	378764	1	07/03/2024 15:12	RR
Nickel	BRL	0.0200		mg/L	378764	1	07/03/2024 15:12	RR
Selenium	BRL	0.0200		mg/L	378764	1	07/03/2024 15:12	RR
Silver	BRL	0.0100		mg/L	378764	1	07/03/2024 15:12	RR
Zinc	BRL	0.0200		mg/L	378764	1	07/03/2024 15:12	RR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-3
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 11:10:00 AM
Lab ID: 2406W35-104	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B-2014								
Organic Carbon, Total	2.95	1.00		mg/L	R549032	1	07/05/2024 17:54	AY
Total Cyanide SM4500 CN-C, E-2016 (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	378757	1	07/02/2024 15:41	JO
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	378836	1	07/06/2024 21:56	SK
Inorganic Anions by IC E300.0								
Chloride	1.35	1.00		mg/L	R548907	1	07/02/2024 12:50	MS
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	12.5	10.0		mg/L	R548889	1	07/02/2024 15:04	G
METALS, TOTAL SW6010D (SW3010A)								
Arsenic	BRL	0.0500		mg/L	378764	1	07/03/2024 15:15	RR
Barium	BRL	0.0200		mg/L	378764	1	07/03/2024 15:15	RR
Cadmium	BRL	0.0050		mg/L	378764	1	07/03/2024 15:15	RR
Chromium	BRL	0.0100		mg/L	378764	1	07/03/2024 15:15	RR
Lead	BRL	0.0100		mg/L	378764	1	07/03/2024 15:15	RR
Nickel	BRL	0.0200		mg/L	378764	1	07/03/2024 15:15	RR
Selenium	BRL	0.0200		mg/L	378764	1	07/03/2024 15:15	RR
Silver	BRL	0.0100		mg/L	378764	1	07/03/2024 15:15	RR
Zinc	BRL	0.0200		mg/L	378764	1	07/03/2024 15:15	RR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 11:50:00 AM
Lab ID: 2406W35-105	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B-2014								
Organic Carbon, Total	3.24	1.00		mg/L	R549032	1	07/05/2024 18:27	AY
Total Cyanide SM4500 CN-C, E-2016 (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	378808	1	07/03/2024 16:10	JO
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	378836	1	07/06/2024 22:00	SK
Inorganic Anions by IC E300.0								
Chloride	2.95	1.00		mg/L	R548907	1	07/02/2024 13:01	MS
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R548889	1	07/02/2024 15:04	G
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	07/03/2024 10:45	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	07/03/2024 10:45	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
2-Butanone	BRL	100		ug/L	378771	1	07/03/2024 10:45	AG
2-Hexanone	BRL	50		ug/L	378771	1	07/03/2024 10:45	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	07/03/2024 10:45	AG
Acetone	BRL	100		ug/L	378771	1	07/03/2024 10:45	AG
Acrylonitrile	BRL	50		ug/L	378771	1	07/03/2024 10:45	AG
Benzene	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
Bromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
Bromoform	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
Bromomethane	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	07/03/2024 10:45	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
Chlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
Chloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
Chloroform	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
Chloromethane	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-4
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 11:50:00 AM
Lab ID: 2406W35-105	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
Dibromomethane	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
Iodomethane	BRL	100		ug/L	378771	1	07/03/2024 10:45	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	07/03/2024 10:45	AG
Styrene	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
Toluene	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	07/03/2024 10:45	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	07/03/2024 10:45	AG
Vinyl acetate	BRL	100		ug/L	378771	1	07/03/2024 10:45	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	07/03/2024 10:45	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	07/03/2024 10:45	AG
Surr: 4-Bromofluorobenzene	92.4	70-126		%REC	378771	1	07/03/2024 10:45	AG
Surr: Dibromofluoromethane	106	77-121		%REC	378771	1	07/03/2024 10:45	AG
Surr: Toluene-d8	92.5	78.6-119		%REC	378771	1	07/03/2024 10:45	AG

METALS, TOTAL SW6010D				(SW3010A)				
Arsenic	BRL	0.0500		mg/L	378764	1	07/03/2024 14:08	RR
Barium	BRL	0.0200		mg/L	378764	1	07/03/2024 14:08	RR
Cadmium	BRL	0.0050		mg/L	378764	1	07/03/2024 14:08	RR
Chromium	BRL	0.0100		mg/L	378764	1	07/03/2024 14:08	RR
Lead	BRL	0.0100		mg/L	378764	1	07/03/2024 14:08	RR
Nickel	BRL	0.0200		mg/L	378764	1	07/03/2024 14:08	RR
Selenium	BRL	0.0200		mg/L	378764	1	07/03/2024 14:08	RR
Silver	BRL	0.0100		mg/L	378764	1	07/03/2024 14:08	RR
Zinc	BRL	0.0200		mg/L	378764	1	07/03/2024 14:08	RR

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-106

Client Sample ID: SWC-4A
Collection Date: 6/27/2024 12:30:00 PM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	07/03/2024 11:07	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	07/03/2024 11:07	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
2-Butanone	BRL	100		ug/L	378771	1	07/03/2024 11:07	AG
2-Hexanone	BRL	50		ug/L	378771	1	07/03/2024 11:07	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	07/03/2024 11:07	AG
Acetone	BRL	100		ug/L	378771	1	07/03/2024 11:07	AG
Acrylonitrile	BRL	50		ug/L	378771	1	07/03/2024 11:07	AG
Benzene	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
Bromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
Bromoform	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
Bromomethane	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	07/03/2024 11:07	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
Chlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
Chloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
Chloroform	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
Chloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
Dibromomethane	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
Iodomethane	BRL	100		ug/L	378771	1	07/03/2024 11:07	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	07/03/2024 11:07	AG
Styrene	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
Toluene	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	07/03/2024 11:07	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	07/03/2024 11:07	AG

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-4A
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/27/2024 12:30:00 PM
Lab ID: 2406W35-106	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	07/03/2024 11:07	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	07/03/2024 11:07	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	07/03/2024 11:07	AG
Surr: 4-Bromofluorobenzene	90.6	70-126		%REC	378771	1	07/03/2024 11:07	AG
Surr: Dibromofluoromethane	109	77-121		%REC	378771	1	07/03/2024 11:07	AG
Surr: Toluene-d8	95	78.6-119		%REC	378771	1	07/03/2024 11:07	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-4B
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 3:25:00 PM
Lab ID: 2406W35-107	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	07/03/2024 11:30	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	07/03/2024 11:30	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
2-Butanone	BRL	100		ug/L	378771	1	07/03/2024 11:30	AG
2-Hexanone	BRL	50		ug/L	378771	1	07/03/2024 11:30	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	07/03/2024 11:30	AG
Acetone	BRL	100		ug/L	378771	1	07/03/2024 11:30	AG
Acrylonitrile	BRL	50		ug/L	378771	1	07/03/2024 11:30	AG
Benzene	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
Bromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
Bromoform	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
Bromomethane	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	07/03/2024 11:30	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
Chlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
Chloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
Chloroform	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
Chloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
Dibromomethane	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
Iodomethane	BRL	100		ug/L	378771	1	07/03/2024 11:30	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	07/03/2024 11:30	AG
Styrene	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
Toluene	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	07/03/2024 11:30	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	07/03/2024 11:30	AG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-4B
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/26/2024 3:25:00 PM
Lab ID: 2406W35-107	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	07/03/2024 11:30	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	07/03/2024 11:30	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	07/03/2024 11:30	AG
Surr: 4-Bromofluorobenzene	88.9	70-126		%REC	378771	1	07/03/2024 11:30	AG
Surr: Dibromofluoromethane	104	77-121		%REC	378771	1	07/03/2024 11:30	AG
Surr: Toluene-d8	94.6	78.6-119		%REC	378771	1	07/03/2024 11:30	AG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-108

Client Sample ID: FIELD BLANK-2
Collection Date: 6/27/2024 8:30:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D		(SW5030B)						
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
1,1,1-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
1,1,2-Trichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
1,1-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
1,1-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
1,2,3-Trichloropropane	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	378771	1	07/03/2024 10:22	AG
1,2-Dibromoethane	BRL	1.0		ug/L	378771	1	07/03/2024 10:22	AG
1,2-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
1,2-Dichloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
1,2-Dichloropropane	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
1,4-Dichlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
2-Butanone	BRL	100		ug/L	378771	1	07/03/2024 10:22	AG
2-Hexanone	BRL	50		ug/L	378771	1	07/03/2024 10:22	AG
4-Methyl-2-pentanone	BRL	50		ug/L	378771	1	07/03/2024 10:22	AG
Acetone	BRL	100		ug/L	378771	1	07/03/2024 10:22	AG
Acrylonitrile	BRL	50		ug/L	378771	1	07/03/2024 10:22	AG
Benzene	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
Bromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
Bromodichloromethane	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
Bromoform	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
Bromomethane	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
Carbon disulfide	BRL	5.0		ug/L	378771	1	07/03/2024 10:22	AG
Carbon tetrachloride	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
Chlorobenzene	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
Chloroethane	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
Chloroform	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
Chloromethane	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
Dibromochloromethane	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
Dibromomethane	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
Ethylbenzene	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
Iodomethane	BRL	100		ug/L	378771	1	07/03/2024 10:22	AG
Methylene chloride	BRL	5.0		ug/L	378771	1	07/03/2024 10:22	AG
Styrene	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG
Tetrachloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
Toluene	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378771	1	07/03/2024 10:22	AG
Trichloroethene	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
Trichlorofluoromethane	BRL	10		ug/L	378771	1	07/03/2024 10:22	AG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-108

Client Sample ID: FIELD BLANK-2
Collection Date: 6/27/2024 8:30:00 AM
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				(SW5030B)				
Vinyl acetate	BRL	100		ug/L	378771	1	07/03/2024 10:22	AG
Vinyl chloride	BRL	2.0		ug/L	378771	1	07/03/2024 10:22	AG
Xylenes, Total	BRL	5.0		ug/L	378771	1	07/03/2024 10:22	AG
Surr: 4-Bromofluorobenzene	92.4	70-126		%REC	378771	1	07/03/2024 10:22	AG
Surr: Dibromofluoromethane	104	77-121		%REC	378771	1	07/03/2024 10:22	AG
Surr: Toluene-d8	95.4	78.6-119		%REC	378771	1	07/03/2024 10:22	AG
APPENDIX I METALS SW6020B				(SW3005A)				
Antimony	BRL	0.00600		mg/L	378763	1	07/04/2024 09:58	AD
Arsenic	BRL	0.0100		mg/L	378763	1	07/04/2024 09:58	AD
Barium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:58	AD
Beryllium	BRL	0.00300		mg/L	378763	1	07/04/2024 09:58	AD
Cadmium	BRL	0.00500		mg/L	378763	1	07/04/2024 09:58	AD
Chromium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:58	AD
Cobalt	BRL	0.0400		mg/L	378763	1	07/04/2024 09:58	AD
Copper	BRL	0.0200		mg/L	378763	1	07/04/2024 09:58	AD
Lead	BRL	0.0150		mg/L	378763	1	07/04/2024 09:58	AD
Nickel	BRL	0.0200		mg/L	378763	1	07/04/2024 09:58	AD
Selenium	BRL	0.0100		mg/L	378763	1	07/04/2024 09:58	AD
Silver	BRL	0.0100		mg/L	378763	1	07/04/2024 09:58	AD
Thallium	BRL	0.00200		mg/L	378763	1	07/04/2024 09:58	AD
Vanadium	BRL	0.0200		mg/L	378763	1	07/04/2024 09:58	AD
Zinc	BRL	0.0200		mg/L	378763	1	07/04/2024 09:58	AD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: TRIP BLANK (1)
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024
Lab ID: 2406W35-109	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D				(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378828	1	07/03/2024 11:00	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378828	1	07/03/2024 11:00	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
2-Butanone	BRL	100		ug/L	378828	1	07/03/2024 11:00	AV
2-Hexanone	BRL	50		ug/L	378828	1	07/03/2024 11:00	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378828	1	07/03/2024 11:00	AV
Acetone	BRL	100		ug/L	378828	1	07/03/2024 11:00	AV
Acetonitrile	BRL	200		ug/L	378828	1	07/03/2024 11:00	AV
Acrolein	BRL	50		ug/L	378828	1	07/03/2024 11:00	AV
Acrylonitrile	BRL	50		ug/L	378828	1	07/03/2024 11:00	AV
Allyl Chloride	BRL	100		ug/L	378828	1	07/03/2024 11:00	AV
Benzene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
Bromochloromethane	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Bromodichloromethane	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Bromoform	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Bromomethane	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Carbon disulfide	BRL	5.0		ug/L	378828	1	07/03/2024 11:00	AV
Carbon tetrachloride	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
Chlorobenzene	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Chloroethane	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
Chloroform	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
Chloromethane	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Chloroprene	BRL	20		ug/L	378828	1	07/03/2024 11:00	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
Dibromochloromethane	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Dibromomethane	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Dichlorodifluoromethane	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Ethyl Methacrylate	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-109

Client Sample ID: TRIP BLANK (1)
Collection Date: 6/24/2024
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
Iodomethane	BRL	100		ug/L	378828	1	07/03/2024 11:00	AV
Isobutyl Alcohol	BRL	200		ug/L	378828	1	07/03/2024 11:00	AV
Methyl Methacrylate	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Methylacrylonitrile	BRL	200		ug/L	378828	1	07/03/2024 11:00	AV
Methylene chloride	BRL	5.0		ug/L	378828	1	07/03/2024 11:00	AV
Naphthalene	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Propionitrile	BRL	100		ug/L	378828	1	07/03/2024 11:00	AV
Styrene	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Tetrachloroethene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
Toluene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378828	1	07/03/2024 11:00	AV
Trichloroethene	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
Trichlorofluoromethane	BRL	10		ug/L	378828	1	07/03/2024 11:00	AV
Vinyl acetate	BRL	100		ug/L	378828	1	07/03/2024 11:00	AV
Vinyl chloride	BRL	2.0		ug/L	378828	1	07/03/2024 11:00	AV
Xylenes, Total	BRL	5.0		ug/L	378828	1	07/03/2024 11:00	AV
Surr: 4-Bromofluorobenzene	97.1	70-126		%REC	378828	1	07/03/2024 11:00	AV
Surr: 4-Bromofluorobenzene	103	70-126		%REC	378828	1	07/03/2024 11:00	AV
Surr: Dibromofluoromethane	103	77-121		%REC	378828	1	07/03/2024 11:00	AV
Surr: Dibromofluoromethane	111	77-121		%REC	378828	1	07/03/2024 11:00	AV
Surr: Toluene-d8	97.5	78.6-119		%REC	378828	1	07/03/2024 11:00	AV
Surr: Toluene-d8	106	78.6-119		%REC	378828	1	07/03/2024 11:00	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Lab ID: 2406W35-110

Client Sample ID: TRIP BLANK (2)
Collection Date: 6/24/2024
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	SW8260D				(SW5030B)			
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,1-Dichloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,1-Dichloroethene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,1-Dichloropropene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	378828	1	07/05/2024 16:52	AV
1,2-Dibromoethane	BRL	1.0		ug/L	378828	1	07/05/2024 16:52	AV
1,2-Dichlorobenzene	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
1,2-Dichloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,2-Dichloropropane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,3-Dichlorobenzene	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
1,3-Dichloropropane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
1,4-Dichlorobenzene	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
2,2-Dichloropropane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
2-Butanone	BRL	100		ug/L	378828	1	07/05/2024 16:52	AV
2-Hexanone	BRL	50		ug/L	378828	1	07/05/2024 16:52	AV
4-Methyl-2-pentanone	BRL	50		ug/L	378828	1	07/05/2024 16:52	AV
Acetone	BRL	100		ug/L	378828	1	07/05/2024 16:52	AV
Acetonitrile	BRL	200		ug/L	378828	1	07/05/2024 16:52	AV
Acrolein	BRL	50		ug/L	378828	1	07/05/2024 16:52	AV
Acrylonitrile	BRL	50		ug/L	378828	1	07/05/2024 16:52	AV
Allyl Chloride	BRL	100		ug/L	378828	1	07/05/2024 16:52	AV
Benzene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
Bromochloromethane	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Bromodichloromethane	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Bromoform	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Bromomethane	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Carbon disulfide	BRL	5.0		ug/L	378828	1	07/05/2024 16:52	AV
Carbon tetrachloride	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
Chlorobenzene	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Chloroethane	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
Chloroform	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
Chloromethane	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Chloroprene	BRL	20		ug/L	378828	1	07/05/2024 16:52	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
Dibromochloromethane	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Dibromomethane	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Dichlorodifluoromethane	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Ethyl Methacrylate	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 F Analyzed in the lab which is a deviation from the method
 < Less than Result value
 J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: TRIP BLANK (2)
Project Name: Forsyth County-Hightower Road MSWLF	Collection Date: 6/24/2024
Lab ID: 2406W35-110	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS		SW8260D			(SW5030B)			
Ethylbenzene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
Iodomethane	BRL	100		ug/L	378828	1	07/05/2024 16:52	AV
Isobutyl Alcohol	BRL	200		ug/L	378828	1	07/05/2024 16:52	AV
Methyl Methacrylate	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Methylacrylonitrile	BRL	200		ug/L	378828	1	07/05/2024 16:52	AV
Methylene chloride	BRL	5.0		ug/L	378828	1	07/05/2024 16:52	AV
Naphthalene	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Propionitrile	BRL	100		ug/L	378828	1	07/05/2024 16:52	AV
Styrene	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Tetrachloroethene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
Toluene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	378828	1	07/05/2024 16:52	AV
Trichloroethene	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
Trichlorofluoromethane	BRL	10		ug/L	378828	1	07/05/2024 16:52	AV
Vinyl acetate	BRL	100		ug/L	378828	1	07/05/2024 16:52	AV
Vinyl chloride	BRL	2.0		ug/L	378828	1	07/05/2024 16:52	AV
Xylenes, Total	BRL	5.0		ug/L	378828	1	07/05/2024 16:52	AV
Surr: 4-Bromofluorobenzene	96	70-126		%REC	378828	1	07/05/2024 16:52	AV
Surr: 4-Bromofluorobenzene	102	70-126		%REC	378828	1	07/05/2024 16:52	AV
Surr: Dibromofluoromethane	102	77-121		%REC	378828	1	07/05/2024 16:52	AV
Surr: Dibromofluoromethane	110	77-121		%REC	378828	1	07/05/2024 16:52	AV
Surr: Toluene-d8	100	78.6-119		%REC	378828	1	07/05/2024 16:52	AV
Surr: Toluene-d8	109	78.6-119		%REC	378828	1	07/05/2024 16:52	AV

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	F Analyzed in the lab which is a deviation from the method
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Atlantic Coast Consulting, Inc.**

AES Work Order Number: **2406W35**

2. Carrier: FedEx UPS USPS Client Courier Other

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
5. Custody seals intact on shipping container?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
6. Cooler temperature(s) within limits of 0-6°C? [See item 12 for temperature recordings.]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7. Chain of Custody (COC) present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
8. Chain of Custody signed, dated, and timed when relinquished and received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9. Sampler name and/or signature on COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10. Were all samples received within holding time?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11. TAT marked on the COC?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions.	

12. Cooler 1 Temperature 1.2 °C Cooler 2 Temperature 1.1 °C Cooler 3 Temperature 1.4 °C Cooler 4 Temperature 1.2 °C
 Cooler 5 Temperature 1.2 °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

13. Comments: _____

I certify that I have completed sections 1-13 (dated initials). SB 6/29/24

	Yes	No	N/A	Details	Comments
14. Temperature blanks present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
15. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
16. Custody seals present on sample containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals intact on sample containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
18. Do sample container labels match the COC?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input checked="" type="checkbox"/>	
19. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
20. Were all of the samples listed on the COC received?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input checked="" type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
21. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
22. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were VOA samples received without headspace (< 1/4" bubble)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were trip blanks submitted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	listed on COC <input checked="" type="checkbox"/> not listed on COC <input type="checkbox"/>	

26. Comments: _____

I certify that I have completed sections 14-26 (dated initials). SB 6/29/24

This section only applies to samples where pH can be checked at Sample Receipt.

	Yes	No	N/A	Details	Comments
27. Have containers needing chemical preservation been checked?*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
28. Containers meet preservation guidelines?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Was pH adjusted at Sample Receipt?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		

*Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH. This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 27-29(dated initials). SB 6/29/24

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378658

Sample ID: MB-378658	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 548999							
Sample Type: MBLK	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127314							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2,4,5-Tetrachlorobenzene	BRL	10									
1,3-Dinitrobenzene	BRL	20									
1,4-Napthoquinone	BRL	10									
1-Naphthylamine	BRL	10									
2,3,4,6-Tetrachlorophenol	BRL	10									
2,4,5-Trichlorophenol	BRL	10									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	50									
2,4-Dinitrophenol	BRL	50									
2,4-Dinitrotoluene	BRL	10									
2,6-Dichlorophenol	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Acetylaminofluorene	BRL	20									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Naphthylamine	BRL	10									
2-Nitroaniline	BRL	50									
2-Nitrophenol	BRL	10									
3,3'-Dichlorobenzidine	BRL	20									
3,3'-Dimethylbenzidine	BRL	20									
3,4-Methylphenol	BRL	10									
3-Methylcholanthrene	BRL	10									
3-Nitroaniline	BRL	50									
4,6-Dinitro-2-methylphenol	BRL	50									

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378658

Sample ID: MB-378658	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 548999							
SampleType: MBLK	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127314							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Aminobiphenyl	BRL	20									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	20									
4-Chloroaniline	BRL	20									
4-Chlorophenyl phenyl ether	BRL	10									
4-Nitroaniline	BRL	20									
4-Nitrophenol	BRL	50									
5-Nitro-o-toluidine	BRL	10									
7,12-Dimethylbenz(a)anthracene	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Benzyl alcohol	BRL	20									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	20									
Butyl benzyl phthalate	BRL	10									
Chlorobenzilate	BRL	10									
Chrysene	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Diallate	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378658

Sample ID: MB-378658	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 548999							
SampleType: MBLK	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127314							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethoate	BRL	20									
Dimethyl phthalate	BRL	10									
Disulfoton	BRL	10									
Ethyl methanesulfonate	BRL	20									
Famphur	BRL	20									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									
Hexachloroethane	BRL	10									
Hexachloropropene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isodrin	BRL	20									
Isophorone	BRL	10									
Isosafrole	BRL	10									
Kepone	BRL	50									
Methapyrilene	BRL	20									
Methyl methanesulfonate	BRL	10									
Methyl parathion	BRL	10									
N-Nitroso-di-n-butylamine	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiethylamine	BRL	20									
N-Nitrosodimethylamine	BRL	20									
N-Nitrosodiphenylamine	BRL	50									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378658

Sample ID: MB-378658	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 548999							
SampleType: MBLK	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127314							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

N-Nitrosomethylethylamine	BRL	10									
N-Nitrosopiperidine	BRL	20									
N-Nitrosopyrrolidine	BRL	40									
Nitrobenzene	BRL	10									
O,O,O-Triethylphosphorothioate	BRL	10									
o-Toluidine	BRL	20									
p-Dimethylaminoazobenzene	BRL	10									
p-Phenylenediamine	BRL	500									
Parathion	BRL	10									
Pentachlorobenzene	BRL	10									
Pentachloronitrobenzene	BRL	20									
Phenacetin	BRL	20									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Phorate	BRL	10									
Pronamide	BRL	10									
Pyrene	BRL	10									
Safrole	BRL	20									
Sym-Trinitrobenzene	BRL	10									
Thionazin	BRL	20									
Surr: 2,4,6-Tribromophenol	54.01	0	100.0		54.0	53.4	132				
Surr: 2-Fluorobiphenyl	52.25	0	50.00		104	48	126				
Surr: 2-Fluorophenol	43.75	0	100.0		43.8	29.3	120				
Surr: 4-Terphenyl-d14	57.95	0	50.00		116	48.1	130				
Surr: Nitrobenzene-d5	51.10	0	50.00		102	41.1	129				
Surr: Phenol-d5	39.92	0	100.0		39.9	20.7	120				

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378658

Sample ID: MB-378658	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 549000							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127322							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,3,5-Trinitrobenzene	BRL	10									
3,3'-Dimethoxybenzidine	BRL	10									N
4-Nitroquinoline,1-oxide	BRL	50									
Aramite	BRL	10									
Dimethylaminoazobenzene	BRL	10									N
N-Nitrosomorpholine	BRL	10									
Tetraethyl dithiopyrophosphate	BRL	10									
Surr: 2,4,6-Tribromophenol	54.01	0	100.0		54.0	53.4	132				
Surr: 2-Fluorobiphenyl	52.25	0	50.00		104	48	126				
Surr: 2-Fluorophenol	43.75	0	100.0		43.8	29.3	120				
Surr: 4-Terphenyl-d14	57.95	0	50.00		116	48.1	130				
Surr: Nitrobenzene-d5	51.10	0	50.00		102	41.1	129				
Surr: Phenol-d5	39.92	0	100.0		39.9	20.7	120				

Sample ID: MB-378658	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 549056							
SampleType: MBLK	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/08/2024	Seq No: 13128932							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,3-Dinitrobenzene	BRL	20									
1,4-Napthoquinone	BRL	10									
2-Acetylaminofluorene	BRL	20									
3,3'-Dimethylbenzidine	BRL	20									
5-Nitro-o-toluidine	BRL	10									
7,12-Dimethylbenz(a)anthracene	BRL	10									
Chlorobenzilate	BRL	10									
Diallate	BRL	10									
Dimethoate	BRL	20									
Disulfoton	BRL	10									

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378658

Sample ID: MB-378658	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 549056							
SampleType: MBLK	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/08/2024	Seq No: 13128932							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Hexachloropropene	BRL	10									
Isodrin	BRL	20									
Isosafrole	BRL	10									
Methapyrilene	BRL	20									
Methyl parathion	BRL	10									
N-Nitrosodiethylamine	BRL	20									
N-Nitrosomethylethylamine	BRL	10									
N-Nitrosopyrrolidine	BRL	40									
O,O,O-Triethylphosphorothioate	BRL	10									
o-Toluidine	BRL	20									
p-Phenylenediamine	BRL	500									
Parathion	BRL	10									
Phorate	BRL	10									
Safrole	BRL	20									
Sym-Trinitrobenzene	BRL	10									
Thionazin	BRL	20									

Sample ID: LCS-378658	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 548999							
SampleType: LCS	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127315							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	85.28	10	100.0		85.3	62.4	130				
2-Chlorophenol	100.5	10	100.0		100	50	130				
4-Chloro-3-methylphenol	111.3	20	100.0		111	60.3	124				
4-Nitrophenol	65.29	50	100.0		65.3	7.93	120				
Acenaphthene	110.9	10	100.0		111	60.4	127				
N-Nitrosodi-n-propylamine	114.9	10	100.0		115	57.9	129				
Phenol	67.42	10	100.0		67.4	20.1	130				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378658

Sample ID: LCS-378658	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 548999							
SampleType: LCS	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127315							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Pyrene	126.4	10	100.0		126	61.3	133				
Surr: 2,4,6-Tribromophenol	101.5	0	100.0		101	53.4	132				
Surr: 2-Fluorobiphenyl	51.13	0	50.00		102	48	126				
Surr: 2-Fluorophenol	88.81	0	100.0		88.8	29.3	120				
Surr: 4-Terphenyl-d14	58.41	0	50.00		117	48.1	130				
Surr: Nitrobenzene-d5	51.22	0	50.00		102	41.1	129				
Surr: Phenol-d5	73.36	0	100.0		73.4	20.7	120				

Sample ID: LCS-378658	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 549000							
SampleType: LCS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127323							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: 2,4,6-Tribromophenol	101.5	0	100.0		101	53.4	132				
Surr: 2-Fluorobiphenyl	51.13	0	50.00		102	48	126				
Surr: 2-Fluorophenol	88.81	0	100.0		88.8	29.3	120				
Surr: 4-Terphenyl-d14	58.41	0	50.00		117	48.1	130				
Surr: Nitrobenzene-d5	51.22	0	50.00		102	41.1	129				
Surr: Phenol-d5	73.36	0	100.0		73.4	20.7	120				

Sample ID: 2406W34-025BMS	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 548999							
SampleType: MS	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127317							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	82.02	10	100.0		82.0	50.4	130				
2-Chlorophenol	92.25	10	100.0		92.2	45	120				
4-Chloro-3-methylphenol	99.38	20	100.0		99.4	46.4	125				
4-Nitrophenol	56.51	50	100.0		56.5	24	120				
Acenaphthene	106.4	10	100.0		106	50.1	129				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378658

Sample ID: 2406W34-025BMS	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 548999							
SampleType: MS	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127317							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

N-Nitrosodi-n-propylamine	109.5	10	100.0		110	50.8	129				
Phenol	55.01	10	100.0		55.0	25	120				
Pyrene	119.2	10	100.0		119	51.2	131				
Surr: 2,4,6-Tribromophenol	83.91	0	100.0		83.9	53.4	132				
Surr: 2-Fluorobiphenyl	45.99	0	50.00		92.0	48	126				
Surr: 2-Fluorophenol	69.55	0	100.0		69.6	29.3	120				
Surr: 4-Terphenyl-d14	52.06	0	50.00		104	48.1	130				
Surr: Nitrobenzene-d5	45.37	0	50.00		90.7	41.1	129				
Surr: Phenol-d5	56.52	0	100.0		56.5	20.7	120				

Sample ID: 2406W34-025BMS	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 549000							
SampleType: MS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127325							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: 2,4,6-Tribromophenol	83.91	0	100.0		83.9	53.4	132				
Surr: 2-Fluorobiphenyl	45.99	0	50.00		92.0	48	126				
Surr: 2-Fluorophenol	69.55	0	100.0		69.6	29.3	120				
Surr: 4-Terphenyl-d14	52.06	0	50.00		104	48.1	130				
Surr: Nitrobenzene-d5	45.37	0	50.00		90.7	41.1	129				
Surr: Phenol-d5	56.52	0	100.0		56.5	20.7	120				

Sample ID: 2406W34-025BMSD	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 548999							
SampleType: MSD	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127318							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	80.81	10	100.0		80.8	50.4	130	82.02	1.49	35.3	
2-Chlorophenol	73.89	10	100.0		73.9	45	120	92.25	22.1	43.1	
4-Chloro-3-methylphenol	91.16	20	100.0		91.2	46.4	125	99.38	8.63	48.4	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378658

Sample ID: 2406W34-025BMSD	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 548999							
SampleType: MSD	TestCode: APPENDIXII-SEMIVOLATILE ORGANICS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127318							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Nitrophenol	55.89	50	100.0		55.9	24	120	56.51	1.10	62.8	
Acenaphthene	100.4	10	100.0		100	50.1	129	106.4	5.72	37.3	
N-Nitrosodi-n-propylamine	97.58	10	100.0		97.6	50.8	129	109.5	11.5	42	
Phenol	49.77	10	100.0		49.8	25	120	55.01	10.0	81.5	
Pyrene	114.1	10	100.0		114	51.2	131	119.2	4.38	43.5	
Surr: 2,4,6-Tribromophenol	79.08	0	100.0		79.1	53.4	132	83.91	0	0	
Surr: 2-Fluorobiphenyl	44.05	0	50.00		88.1	48	126	45.99	0	0	
Surr: 2-Fluorophenol	58.69	0	100.0		58.7	29.3	120	69.55	0	0	
Surr: 4-Terphenyl-d14	51.13	0	50.00		102	48.1	130	52.06	0	0	
Surr: Nitrobenzene-d5	40.94	0	50.00		81.9	41.1	129	45.37	0	0	
Surr: Phenol-d5	52.65	0	100.0		52.6	20.7	120	56.52	0	0	

Sample ID: 2406W34-025BMSD	Client ID:	Units: ug/L	Prep Date: 07/01/2024	Run No: 549000							
SampleType: MSD	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 378658	Analysis Date: 07/03/2024	Seq No: 13127326							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: 2,4,6-Tribromophenol	79.08	0	100.0		79.1	53.4	132	83.91	0	0	
Surr: 2-Fluorobiphenyl	44.05	0	50.00		88.1	48	126	45.99	0	0	
Surr: 2-Fluorophenol	58.69	0	100.0		58.7	29.3	120	69.55	0	0	
Surr: 4-Terphenyl-d14	51.13	0	50.00		102	48.1	130	52.06	0	0	
Surr: Nitrobenzene-d5	40.94	0	50.00		81.9	41.1	129	45.37	0	0	
Surr: Phenol-d5	52.65	0	100.0		52.6	20.7	120	56.52	0	0	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378735

Sample ID: MB-378735	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548766							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378735	Analysis Date: 06/29/2024	Seq No: 13119097							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	5.0									
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,3-Trichloropropane	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Acrylonitrile	BRL	5.0									
Benzene	BRL	5.0									
Bromochloromethane	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378735

Sample ID: MB-378735	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548766
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378735	Analysis Date: 06/29/2024	Seq No: 13119097

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Ethylbenzene	BRL	5.0									
Iodomethane	BRL	10									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	10									
Surr: 4-Bromofluorobenzene	48.12	0	50.00		96.2	70	126				
Surr: Dibromofluoromethane	50.10	0	50.00		100	77	121				
Surr: Toluene-d8	49.21	0	50.00		98.4	78.6	119				

Sample ID: LCS-378735	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548766
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378735	Analysis Date: 06/29/2024	Seq No: 13119098

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
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Qualifiers:	> Greater than Result value	< Less than Result value
BRL	Below reporting limit	E Estimated (value above quantitation range)
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix
		B Analyte detected in the associated method blank
		H Holding times for preparation or analysis exceeded
		R RPD outside limits due to matrix

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378735

Sample ID: LCS-378735	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548766							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378735	Analysis Date: 06/29/2024	Seq No: 13119098							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	18.53	5.0	20.00		92.6	68.6	130				
Benzene	20.00	5.0	20.00		100	76.3	122				
Chlorobenzene	19.71	5.0	20.00		98.6	75.2	121				
Toluene	20.17	5.0	20.00		101	74.3	124				
Trichloroethene	20.76	5.0	20.00		104	71.9	129				
Surr: 4-Bromofluorobenzene	51.10	0	50.00		102	70	126				
Surr: Dibromofluoromethane	50.28	0	50.00		101	77	121				
Surr: Toluene-d8	50.40	0	50.00		101	78.6	119				

Sample ID: 2406W35-010AMS	Client ID: SWC-1	Units: ug/L	Prep Date: 06/29/2024	Run No: 548766							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378735	Analysis Date: 06/29/2024	Seq No: 13119271							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	18.83	5.0	20.00		94.2	69	139				
Benzene	19.35	5.0	20.00		96.8	71.3	133				
Chlorobenzene	19.37	5.0	20.00		96.8	77.6	128				
Toluene	19.30	5.0	20.00		96.5	72	134				
Trichloroethene	20.32	5.0	20.00		102	76.8	136				
Surr: 4-Bromofluorobenzene	49.93	0	50.00		99.9	70	126				
Surr: Dibromofluoromethane	49.94	0	50.00		99.9	77	121				
Surr: Toluene-d8	49.32	0	50.00		98.6	78.6	119				

Sample ID: 2406W35-009ADUP	Client ID: SWC-6	Units: ug/L	Prep Date: 06/29/2024	Run No: 548766							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378735	Analysis Date: 06/29/2024	Seq No: 13119269							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	5.0						0	0	20	
1,1,1-Trichloroethane	BRL	5.0						0	0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378735

Sample ID: 2406W35-009ADUP	Client ID: SWC-6	Units: ug/L	Prep Date: 06/29/2024	Run No: 548766							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378735	Analysis Date: 06/29/2024	Seq No: 13119269							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,2,2-Tetrachloroethane	BRL	5.0						0	0	20	
1,1,2-Trichloroethane	BRL	5.0						0	0	20	
1,1-Dichloroethane	BRL	5.0						0.9700	0	20	
1,1-Dichloroethene	BRL	5.0						0	0	20	
1,2,3-Trichloropropane	BRL	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	BRL	5.0						0	0	20	
1,2-Dibromoethane	BRL	5.0						0	0	20	
1,2-Dichlorobenzene	BRL	5.0						0	0	20	
1,2-Dichloroethane	BRL	5.0						0	0	20	
1,2-Dichloropropane	BRL	5.0						0	0	20	
1,4-Dichlorobenzene	BRL	5.0						0	0	20	
2-Butanone	BRL	50						0	0	20	
2-Hexanone	BRL	10						0	0	20	
4-Methyl-2-pentanone	BRL	10						0	0	20	
Acetone	BRL	50						0	0	20	
Acrylonitrile	BRL	5.0						0	0	20	
Benzene	BRL	5.0						0	0	20	
Bromochloromethane	BRL	5.0						0	0	20	
Bromodichloromethane	BRL	5.0						0	0	20	
Bromoform	BRL	5.0						0	0	20	
Bromomethane	BRL	5.0						0	0	20	
Carbon disulfide	BRL	5.0						0	0	20	
Carbon tetrachloride	BRL	5.0						0	0	20	
Chlorobenzene	BRL	5.0						0	0	20	
Chloroethane	BRL	10						0	0	20	
Chloroform	BRL	5.0						0	0	20	
Chloromethane	BRL	10						0	0	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378735

Sample ID: 2406W35-009ADUP	Client ID: SWC-6	Units: ug/L	Prep Date: 06/29/2024	Run No: 548766
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378735	Analysis Date: 06/29/2024	Seq No: 13119269

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	9.860	5.0						10.01	1.51	20	
cis-1,3-Dichloropropene	BRL	5.0						0	0	20	
Dibromochloromethane	BRL	5.0						0	0	20	
Dibromomethane	BRL	5.0						0	0	20	
Ethylbenzene	BRL	5.0						0	0	20	
Iodomethane	BRL	10						0	0	20	
Methylene chloride	BRL	5.0						0	0	20	
Styrene	BRL	5.0						0	0	20	
Tetrachloroethene	BRL	5.0						1.490	0	20	
Toluene	BRL	5.0						0	0	20	
trans-1,2-Dichloroethene	BRL	5.0						0	0	20	
trans-1,3-Dichloropropene	BRL	5.0						0	0	20	
trans-1,4-Dichloro-2-butene	BRL	10						0	0	20	
Trichloroethene	BRL	5.0						2.670	0	20	
Trichlorofluoromethane	BRL	5.0						0	0	20	
Vinyl acetate	BRL	10						0	0	20	
Vinyl chloride	BRL	2.0						0	0	20	
Xylenes, Total	BRL	10						0	0	20	
Surr: 4-Bromofluorobenzene	49.28	0	50.00		98.6	70	126	47.86	0	0	
Surr: Dibromofluoromethane	50.56	0	50.00		101	77	121	51.61	0	0	
Surr: Toluene-d8	48.98	0	50.00		98.0	78.6	119	49.91	0	0	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378740

Sample ID: MB-378740	Client ID:	Units: mg/L	Prep Date: 07/01/2024	Run No: 548982							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 378740	Analysis Date: 07/04/2024	Seq No: 13127143							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	BRL	0.00600									
Arsenic	BRL	0.0100									
Barium	BRL	0.0200									
Beryllium	BRL	0.00400									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0200									
Cobalt	BRL	0.0500									
Copper	BRL	0.0200									
Lead	BRL	0.0100									
Nickel	BRL	0.0400									
Selenium	BRL	0.0500									
Silver	BRL	0.00500									
Thallium	BRL	0.00200									
Vanadium	BRL	0.0500									
Zinc	BRL	0.0200									

Sample ID: LCS-378740	Client ID:	Units: mg/L	Prep Date: 07/01/2024	Run No: 548982							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 378740	Analysis Date: 07/04/2024	Seq No: 13127144							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09247	0.00600	0.1000		92.5	80	120				
Arsenic	0.09499	0.0100	0.1000		95.0	80	120				
Barium	0.09829	0.0200	0.1000		98.3	80	120				
Beryllium	0.09335	0.00400	0.1000		93.4	80	120				
Cadmium	0.09276	0.00500	0.1000		92.8	80	120				
Chromium	0.09841	0.0200	0.1000		98.4	80	120				
Cobalt	0.09882	0.0500	0.1000		98.8	80	120				
Copper	0.09456	0.0200	0.1000		94.6	80	120				

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378740

Sample ID: LCS-378740	Client ID:	Units: mg/L	Prep Date: 07/01/2024	Run No: 548982							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 378740	Analysis Date: 07/04/2024	Seq No: 13127144							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	0.09683	0.0100	0.1000		96.8	80	120				
Nickel	0.09566	0.0400	0.1000		95.7	80	120				
Selenium	0.09114	0.0500	0.1000		91.1	80	120				
Silver	0.009956	0.00500	0.0100		99.6	80	120				
Thallium	0.1000	0.00200	0.1000		100	80	120				
Vanadium	0.09916	0.0500	0.1000		99.2	80	120				
Zinc	0.09820	0.0200	0.1000		98.2	80	120				

Sample ID: 2406W35-004BMS	Client ID: PH1-GWC-2	Units: mg/L	Prep Date: 07/01/2024	Run No: 548982							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 378740	Analysis Date: 07/04/2024	Seq No: 13127149							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.08964	0.00600	0.1000		89.6	75	125				
Arsenic	0.09284	0.0100	0.1000		92.8	75	125				
Barium	0.1242	0.0200	0.1000	0.03122	93.0	75	125				
Beryllium	0.09370	0.00400	0.1000		93.7	75	125				
Cadmium	0.09350	0.00500	0.1000		93.5	75	125				
Chromium	0.1140	0.0200	0.1000	0.01767	96.4	75	125				
Cobalt	0.09876	0.0500	0.1000	0.001936	96.8	75	125				
Copper	0.1002	0.0200	0.1000	0.006326	93.9	75	125				
Lead	0.09904	0.0100	0.1000	0.001420	97.6	75	125				
Nickel	0.1042	0.0400	0.1000	0.01087	93.3	75	125				
Selenium	0.08876	0.0500	0.1000		88.8	75	125				
Silver	0.01012	0.00500	0.0100	0.0003941	97.3	75	125				
Thallium	0.09938	0.00200	0.1000	0.0003303	99.0	75	125				
Vanadium	0.1048	0.0500	0.1000	0.006867	97.9	75	125				
Zinc	0.1216	0.0200	0.1000	0.02018	101	75	125				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378740

Sample ID: 2406W35-004BMSD	Client ID: PH1-GWC-2	Units: mg/L	Prep Date: 07/01/2024	Run No: 548982
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 378740	Analysis Date: 07/04/2024	Seq No: 13127150

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.09062	0.00600	0.1000		90.6	75	125	0.08964	1.09	20	
Arsenic	0.09257	0.0100	0.1000		92.6	75	125	0.09284	0.296	20	
Barium	0.1257	0.0200	0.1000	0.03122	94.5	75	125	0.1242	1.16	20	
Beryllium	0.09200	0.00400	0.1000		92.0	75	125	0.09370	1.83	20	
Cadmium	0.09113	0.00500	0.1000		91.1	75	125	0.09350	2.57	20	
Chromium	0.1135	0.0200	0.1000	0.01767	95.8	75	125	0.1140	0.506	20	
Cobalt	0.09794	0.0500	0.1000	0.001936	96.0	75	125	0.09876	0.829	20	
Copper	0.1009	0.0200	0.1000	0.006326	94.6	75	125	0.1002	0.655	20	
Lead	0.09816	0.0100	0.1000	0.001420	96.7	75	125	0.09904	0.894	20	
Nickel	0.1062	0.0400	0.1000	0.01087	95.3	75	125	0.1042	1.92	20	
Selenium	0.08914	0.0500	0.1000		89.1	75	125	0.08876	0.420	20	
Silver	0.01025	0.00500	0.0100	0.0003941	98.6	75	125	0.01012	1.28	20	
Thallium	0.09982	0.00200	0.1000	0.0003303	99.5	75	125	0.09938	0.443	20	
Vanadium	0.1038	0.0500	0.1000	0.006867	97.0	75	125	0.1048	0.883	20	
Zinc	0.1164	0.0200	0.1000	0.02018	96.3	75	125	0.1216	4.31	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: MB-378742	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119347

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	1.0									
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,1-Dichloropropene	BRL	1.0									
1,2,3-Trichloropropane	BRL	1.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,3-Dichloropropane	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2,2-Dichloropropane	BRL	2.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	1.0									
Bromochloromethane	BRL	1.0									
Bromodichloromethane	BRL	1.0									

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: MB-378742	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119347

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Dibromochloromethane	BRL	1.0									
Dibromomethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Iodomethane	BRL	2.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	1.0									

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: MB-378742	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119347							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	48.24	0	50.00		96.5	70	126				
Surr: Dibromofluoromethane	50.18	0	50.00		100	77	121				
Surr: Toluene-d8	49.38	0	50.00		98.8	78.6	119				

Sample ID: MB-378742	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119616							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	5.0									
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,3-Trichloropropane	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Acrylonitrile	BRL	5.0									
Benzene	BRL	5.0									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: MB-378742	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119616							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Bromochloromethane	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Ethylbenzene	BRL	5.0									
Iodomethane	BRL	10									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: MB-378742	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119616							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total	BRL	10									
Surr: 4-Bromofluorobenzene	48.24	0	50.00		96.5	70	126				
Surr: Dibromofluoromethane	50.18	0	50.00		100	77	121				
Surr: Toluene-d8	49.38	0	50.00		98.8	78.6	119				

Sample ID: MB-378742	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119720							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetonitrile	BRL	100									
Allyl Chloride	BRL	10									
Chloroprene	BRL	20									
Ethyl Methacrylate	BRL	10									
Isobutyl Alcohol	BRL	200									
Methyl Methacrylate	BRL	10									
Methylacrylonitrile	BRL	200									
Propionitrile	BRL	100									
Surr: 4-Bromofluorobenzene	51.07	0	50.00		102	70	126				
Surr: Dibromofluoromethane	54.50	0	50.00		109	77	121				
Surr: Toluene-d8	53.41	0	50.00		107	78.6	119				

Sample ID: LCS-378742	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119348							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	18.49	2.0	20.00		92.4	68.6	130				
Benzene	20.52	1.0	20.00		103	76.3	122				
Chlorobenzene	20.61	1.0	20.00		103	75.2	121				

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: LCS-378742	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119348							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Toluene	20.49	1.0	20.00		102	74.3	124				
Trichloroethene	20.58	1.0	20.00		103	71.9	129				
Surr: 4-Bromofluorobenzene	51.02	0	50.00		102	70	126				
Surr: Dibromofluoromethane	50.07	0	50.00		100	77	121				
Surr: Toluene-d8	50.88	0	50.00		102	78.6	119				

Sample ID: LCS-378742	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119621							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	18.49	5.0	20.00		92.4	68.6	130				
Benzene	20.52	5.0	20.00		103	76.3	122				
Chlorobenzene	20.61	5.0	20.00		103	75.2	121				
Toluene	20.49	5.0	20.00		102	74.3	124				
Trichloroethene	20.58	5.0	20.00		103	71.9	129				
Surr: 4-Bromofluorobenzene	51.02	0	50.00		102	70	126				
Surr: Dibromofluoromethane	50.07	0	50.00		100	77	121				
Surr: Toluene-d8	50.88	0	50.00		102	78.6	119				

Sample ID: 2406W35-002AMS	Client ID: AMW-2	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119351							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	19.48	2.0	20.00		97.4	69	139				
Benzene	20.62	1.0	20.00		103	71.3	133				
Chlorobenzene	20.76	1.0	20.00		104	77.6	128				
Toluene	20.61	1.0	20.00		103	72	134				
Trichloroethene	21.76	1.0	20.00		109	76.8	136				

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: 2406W35-002AMS	Client ID: AMW-2	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119351							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: 4-Bromofluorobenzene	50.80	0	50.00		102	70	126				
Surr: Dibromofluoromethane	50.35	0	50.00		101	77	121				
Surr: Toluene-d8	50.37	0	50.00		101	78.6	119				

Sample ID: 2406W35-002AMS	Client ID: AMW-2	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119620							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	19.48	5.0	20.00		97.4	69	139				
Benzene	20.62	5.0	20.00		103	71.3	133				
Chlorobenzene	20.76	5.0	20.00		104	77.6	128				
Toluene	20.61	5.0	20.00		103	72	134				
Trichloroethene	21.76	5.0	20.00		109	76.8	136				
Surr: 4-Bromofluorobenzene	50.80	0	50.00		102	70	126				
Surr: Dibromofluoromethane	50.35	0	50.00		101	77	121				
Surr: Toluene-d8	50.37	0	50.00		101	78.6	119				

Sample ID: 2406W35-001ADUP	Client ID: GWC-24	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777							
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119606							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	1.0						0	0	30	
1,1,1-Trichloroethane	BRL	1.0						0	0	30	
1,1,2,2-Tetrachloroethane	BRL	1.0						0	0	30	
1,1,2-Trichloroethane	BRL	1.0						0	0	30	
1,1-Dichloroethane	BRL	1.0						0	0	30	
1,1-Dichloroethene	BRL	2.0						0	0	30	
1,1-Dichloropropene	BRL	1.0						0	0	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: 2406W35-001ADUP	Client ID: GWC-24	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119606

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,3-Trichloropropane	BRL	1.0						0	0	30	
1,2,4-Trichlorobenzene	BRL	1.0						0	0	30	
1,2-Dibromo-3-chloropropane	BRL	1.0						0	0	30	
1,2-Dibromoethane	BRL	1.0						0	0	30	
1,2-Dichlorobenzene	BRL	1.0						0	0	30	
1,2-Dichloroethane	BRL	1.0						0	0	30	
1,2-Dichloropropane	BRL	1.0						0	0	30	
1,3-Dichlorobenzene	BRL	1.0						0	0	30	
1,3-Dichloropropane	BRL	1.0						0	0	30	
1,4-Dichlorobenzene	BRL	1.0						0	0	30	
2,2-Dichloropropane	BRL	2.0						0	0	30	
2-Butanone	BRL	10						0	0	30	
2-Hexanone	BRL	10						0	0	30	
4-Methyl-2-pentanone	BRL	10						0	0	30	
Acetone	BRL	20						0	0	30	
Acrolein	BRL	20						0	0	30	
Acrylonitrile	BRL	5.0						0	0	30	
Benzene	BRL	1.0						0	0	30	
Bromochloromethane	BRL	1.0						0	0	30	
Bromodichloromethane	BRL	1.0						0	0	30	
Bromoform	BRL	1.0						0	0	30	
Bromomethane	BRL	1.0						0	0	30	
Carbon disulfide	BRL	5.0						0	0	30	
Carbon tetrachloride	BRL	2.0						0	0	30	
Chlorobenzene	BRL	1.0						0	0	30	
Chloroethane	BRL	1.0						0	0	30	
Chloroform	BRL	1.0						0	0	30	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: 2406W35-001ADUP	Client ID: GWC-24	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119606

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloromethane	BRL	1.0						0	0	30	
cis-1,2-Dichloroethene	BRL	1.0						0	0	30	
cis-1,3-Dichloropropene	BRL	1.0						0	0	30	
Dibromochloromethane	BRL	1.0						0	0	30	
Dibromomethane	BRL	1.0						0	0	30	
Dichlorodifluoromethane	BRL	1.0						0	0	30	
Ethylbenzene	BRL	1.0						0	0	30	
Iodomethane	BRL	2.0						0	0	30	
Methylene chloride	BRL	5.0						0	0	30	
Naphthalene	BRL	5.0						0	0	30	
Styrene	BRL	1.0						0	0	30	
Tetrachloroethene	BRL	1.0						0	0	30	
Toluene	BRL	1.0						0	0	30	
trans-1,2-Dichloroethene	BRL	2.0						0	0	30	
trans-1,3-Dichloropropene	BRL	2.0						0	0	30	
trans-1,4-Dichloro-2-butene	BRL	10						0	0	30	
Trichloroethene	BRL	1.0						0	0	30	
Trichlorofluoromethane	BRL	1.0						0	0	30	
Vinyl acetate	BRL	10						0	0	30	
Vinyl chloride	BRL	1.0						0	0	30	
Xylenes, Total	BRL	1.0						0	0	30	
Surr: 4-Bromofluorobenzene	49.66	0	50.00		99.3	70	126	47.34	0	0	
Surr: Dibromofluoromethane	51.20	0	50.00		102	77	121	49.46	0	0	
Surr: Toluene-d8	49.88	0	50.00		99.8	78.6	119	48.37	0	0	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: 2406W35-001ADUP	Client ID: GWC-24	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119618

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0						0	0	20	
1,1,1-Trichloroethane	BRL	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	BRL	5.0						0	0	20	
1,1,2-Trichloroethane	BRL	5.0						0	0	20	
1,1-Dichloroethane	BRL	5.0						0	0	20	
1,1-Dichloroethene	BRL	5.0						0	0	20	
1,2,3-Trichloropropane	BRL	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	BRL	5.0						0	0	20	
1,2-Dibromoethane	BRL	5.0						0	0	20	
1,2-Dichlorobenzene	BRL	5.0						0	0	20	
1,2-Dichloroethane	BRL	5.0						0	0	20	
1,2-Dichloropropane	BRL	5.0						0	0	20	
1,4-Dichlorobenzene	BRL	5.0						0	0	20	
2-Butanone	BRL	50						0	0	20	
2-Hexanone	BRL	10						0	0	20	
4-Methyl-2-pentanone	BRL	10						0	0	20	
Acetone	BRL	50						0	0	20	
Acrylonitrile	BRL	5.0						0	0	20	
Benzene	BRL	5.0						0	0	20	
Bromochloromethane	BRL	5.0						0	0	20	
Bromodichloromethane	BRL	5.0						0	0	20	
Bromoform	BRL	5.0						0	0	20	
Bromomethane	BRL	5.0						0	0	20	
Carbon disulfide	BRL	5.0						0	0	20	
Carbon tetrachloride	BRL	5.0						0	0	20	
Chlorobenzene	BRL	5.0						0	0	20	
Chloroethane	BRL	10						0	0	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378742

Sample ID: 2406W35-001ADUP	Client ID: GWC-24	Units: ug/L	Prep Date: 06/30/2024	Run No: 548777
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378742	Analysis Date: 06/30/2024	Seq No: 13119618

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloroform	BRL	5.0						0	0	20	
Chloromethane	BRL	10						0	0	20	
cis-1,2-Dichloroethene	BRL	5.0						0	0	20	
cis-1,3-Dichloropropene	BRL	5.0						0	0	20	
Dibromochloromethane	BRL	5.0						0	0	20	
Dibromomethane	BRL	5.0						0	0	20	
Ethylbenzene	BRL	5.0						0	0	20	
Iodomethane	BRL	10						0	0	20	
Methylene chloride	BRL	5.0						0	0	20	
Styrene	BRL	5.0						0	0	20	
Tetrachloroethene	BRL	5.0						0	0	20	
Toluene	BRL	5.0						0	0	20	
trans-1,2-Dichloroethene	BRL	5.0						0	0	20	
trans-1,3-Dichloropropene	BRL	5.0						0	0	20	
trans-1,4-Dichloro-2-butene	BRL	10						0	0	20	
Trichloroethene	BRL	5.0						0	0	20	
Trichlorofluoromethane	BRL	5.0						0	0	20	
Vinyl acetate	BRL	10						0	0	20	
Vinyl chloride	BRL	2.0						0	0	20	
Xylenes, Total	BRL	10						0	0	20	
Surr: 4-Bromofluorobenzene	49.66	0	50.00		99.3	70	126	47.34	0	0	
Surr: Dibromofluoromethane	51.20	0	50.00		102	77	121	49.46	0	0	
Surr: Toluene-d8	49.88	0	50.00		99.8	78.6	119	48.37	0	0	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378756

Sample ID: MB-378756	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548944							
SampleType: MBLK	TestCode: SIM Semivolatile Organics by SW8270E	BatchID: 378756	Analysis Date: 07/03/2024	Seq No: 13125088							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Hexachlorobenzene	BRL	1.0									
Surr: 4-Terphenyl-d14	2.102	0	2.000		105	64.1	135				

Sample ID: MB-378756	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548945							
SampleType: MBLK	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 378756	Analysis Date: 07/03/2024	Seq No: 13125200							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Benzo(a)pyrene	BRL	0.050									
Surr: 4-Terphenyl-d14	2.102	0	2.000		105	64.1	135				

Sample ID: LCS-378756	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548944							
SampleType: LCS	TestCode: SIM Semivolatile Organics by SW8270E	BatchID: 378756	Analysis Date: 07/03/2024	Seq No: 13125090							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Hexachlorobenzene	1.914	1.0	2.000		95.7	50	150				
Surr: 4-Terphenyl-d14	2.225	0	2.000		111	64.1	135				

Sample ID: LCS-378756	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548945							
SampleType: LCS	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 378756	Analysis Date: 07/03/2024	Seq No: 13125201							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Benzo(a)pyrene	1.409	0.050	2.000		70.5	69.7	131				
Surr: 4-Terphenyl-d14	2.225	0	2.000		111	64.1	135				

Sample ID: 2406W35-046BMS	Client ID: GWC-8R	Units: ug/L	Prep Date: 07/02/2024	Run No: 548944							
SampleType: MS	TestCode: SIM Semivolatile Organics by SW8270E	BatchID: 378756	Analysis Date: 07/03/2024	Seq No: 13125099							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Hexachlorobenzene	2.084	1.0	2.000		104	50	150				
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Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378756

Sample ID: 2406W35-046BMS	Client ID: GWC-8R	Units: ug/L	Prep Date: 07/02/2024	Run No: 548944							
SampleType: MS	TestCode: SIM Semivolatile Organics by SW8270E	BatchID: 378756	Analysis Date: 07/03/2024	Seq No: 13125099							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: 4-Terphenyl-d14 2.095 0 2.000 105 64.1 135

Sample ID: 2406W35-046BMS	Client ID: GWC-8R	Units: ug/L	Prep Date: 07/02/2024	Run No: 548945							
SampleType: MS	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 378756	Analysis Date: 07/03/2024	Seq No: 13125205							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Benzo(a)pyrene 1.568 0.050 2.000 78.4 57 127
 Surr: 4-Terphenyl-d14 2.095 0 2.000 105 64.1 135

Sample ID: 2406W35-046BMSD	Client ID: GWC-8R	Units: ug/L	Prep Date: 07/02/2024	Run No: 548944							
SampleType: MSD	TestCode: SIM Semivolatile Organics by SW8270E	BatchID: 378756	Analysis Date: 07/03/2024	Seq No: 13125102							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Hexachlorobenzene 2.336 1.0 2.000 117 50 150 2.084 11.4 30
 Surr: 4-Terphenyl-d14 2.162 0 2.000 108 64.1 135 2.095 0 0

Sample ID: 2406W35-046BMSD	Client ID: GWC-8R	Units: ug/L	Prep Date: 07/02/2024	Run No: 548945							
SampleType: MSD	TestCode: SIM Polynuclear Aromatic Hydrocarbons SW8270E	BatchID: 378756	Analysis Date: 07/03/2024	Seq No: 13125206							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Benzo(a)pyrene 1.759 0.050 2.000 87.9 57 127 1.568 11.5 21
 Surr: 4-Terphenyl-d14 2.162 0 2.000 108 64.1 135 2.095 0 0

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378757

Sample ID: MB-378757	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548911							
SampleType: MBLK	TestCode: Total Cyanide SM4500 CN-C, E-2016	BatchID: 378757	Analysis Date: 07/02/2024	Seq No: 13123831							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total BRL 0.010

Sample ID: LCS-378757	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548911							
SampleType: LCS	TestCode: Total Cyanide SM4500 CN-C, E-2016	BatchID: 378757	Analysis Date: 07/02/2024	Seq No: 13123832							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.1030 0.010 0.1000 103 85 115

Sample ID: 2406W35-008CMS	Client ID: SWC-5	Units: mg/L	Prep Date: 07/02/2024	Run No: 548911							
SampleType: MS	TestCode: Total Cyanide SM4500 CN-C, E-2016	BatchID: 378757	Analysis Date: 07/02/2024	Seq No: 13123834							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.1050 0.010 0.1000 105 76 120

Sample ID: 2406W35-010DMS	Client ID: SWC-1	Units: mg/L	Prep Date: 07/02/2024	Run No: 548911							
SampleType: MS	TestCode: Total Cyanide SM4500 CN-C, E-2016	BatchID: 378757	Analysis Date: 07/02/2024	Seq No: 13123847							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.08400 0.010 0.1000 84.0 76 120

Sample ID: 2406W35-008CMSD	Client ID: SWC-5	Units: mg/L	Prep Date: 07/02/2024	Run No: 548911							
SampleType: MSD	TestCode: Total Cyanide SM4500 CN-C, E-2016	BatchID: 378757	Analysis Date: 07/02/2024	Seq No: 13123835							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.09200 0.010 0.1000 92.0 76 120 0.1050 13.2 19.1

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378762

Sample ID: MB-378762	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548981							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 378762	Analysis Date: 07/04/2024	Seq No: 13127092							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	BRL	0.00600									
Arsenic	BRL	0.0100									
Barium	BRL	0.0200									
Beryllium	BRL	0.00400									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0200									
Cobalt	BRL	0.0500									
Copper	BRL	0.0200									
Lead	BRL	0.0100									
Nickel	BRL	0.0400									
Selenium	BRL	0.0500									
Silver	BRL	0.00500									
Thallium	BRL	0.00200									
Vanadium	BRL	0.0500									
Zinc	BRL	0.0200									

Sample ID: LCS-378762	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548981							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 378762	Analysis Date: 07/04/2024	Seq No: 13127093							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09285	0.00600	0.1000		92.9	80	120				
Arsenic	0.09791	0.0100	0.1000		97.9	80	120				
Barium	0.09978	0.0200	0.1000		99.8	80	120				
Beryllium	0.09409	0.00400	0.1000		94.1	80	120				
Cadmium	0.09505	0.00500	0.1000		95.0	80	120				
Chromium	0.1016	0.0200	0.1000		102	80	120				
Cobalt	0.1013	0.0500	0.1000		101	80	120				
Copper	0.09858	0.0200	0.1000		98.6	80	120				

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378762

Sample ID: LCS-378762	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548981							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 378762	Analysis Date: 07/04/2024	Seq No: 13127093							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	0.1002	0.0100	0.1000		100	80	120				
Nickel	0.1007	0.0400	0.1000		101	80	120				
Selenium	0.09577	0.0500	0.1000		95.8	80	120				
Silver	0.009971	0.00500	0.0100		99.7	80	120				
Thallium	0.09948	0.00200	0.1000		99.5	80	120				
Vanadium	0.1042	0.0500	0.1000		104	80	120				
Zinc	0.1019	0.0200	0.1000		102	80	120				

Sample ID: 2406W35-051AMS	Client ID: GWC-22	Units: mg/L	Prep Date: 07/02/2024	Run No: 548981							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 378762	Analysis Date: 07/04/2024	Seq No: 13127095							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09337	0.00600	0.1000		93.4	75	125				
Arsenic	0.1006	0.0100	0.1000		101	75	125				
Barium	0.1230	0.0200	0.1000	0.02242	101	75	125				
Beryllium	0.09347	0.00400	0.1000	0.0001566	93.3	75	125				
Cadmium	0.09489	0.00500	0.1000		94.9	75	125				
Chromium	0.1016	0.0200	0.1000		102	75	125				
Cobalt	0.1012	0.0500	0.1000		101	75	125				
Copper	0.09814	0.0200	0.1000		98.1	75	125				
Lead	0.09792	0.0100	0.1000		97.9	75	125				
Nickel	0.1005	0.0400	0.1000		100	75	125				
Selenium	0.09264	0.0500	0.1000		92.6	75	125				
Silver	0.009986	0.00500	0.0100		99.9	75	125				
Thallium	0.09945	0.00200	0.1000	0.0002532	99.2	75	125				
Vanadium	0.1029	0.0500	0.1000		103	75	125				
Zinc	0.1063	0.0200	0.1000		106	75	125				

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378762

Sample ID: 2406W35-051AMSD	Client ID: GWC-22	Units: mg/L	Prep Date: 07/02/2024	Run No: 548981
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 378762	Analysis Date: 07/04/2024	Seq No: 13127096

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.09163	0.00600	0.1000		91.6	75	125	0.09337	1.88	20	
Arsenic	0.09890	0.0100	0.1000		98.9	75	125	0.1006	1.72	20	
Barium	0.1214	0.0200	0.1000	0.02242	99.0	75	125	0.1230	1.29	20	
Beryllium	0.09277	0.00400	0.1000	0.0001566	92.6	75	125	0.09347	0.756	20	
Cadmium	0.09384	0.00500	0.1000		93.8	75	125	0.09489	1.11	20	
Chromium	0.09950	0.0200	0.1000		99.5	75	125	0.1016	2.12	20	
Cobalt	0.1001	0.0500	0.1000		100	75	125	0.1012	1.05	20	
Copper	0.09737	0.0200	0.1000		97.4	75	125	0.09814	0.791	20	
Lead	0.09442	0.0100	0.1000		94.4	75	125	0.09792	3.64	20	
Nickel	0.09731	0.0400	0.1000		97.3	75	125	0.1005	3.20	20	
Selenium	0.09442	0.0500	0.1000		94.4	75	125	0.09264	1.90	20	
Silver	0.01001	0.00500	0.0100		100	75	125	0.009986	0.194	20	
Thallium	0.09725	0.00200	0.1000	0.0002532	97.0	75	125	0.09945	2.24	20	
Vanadium	0.1027	0.0500	0.1000		103	75	125	0.1029	0.182	20	
Zinc	0.1035	0.0200	0.1000		103	75	125	0.1063	2.70	20	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378763

Sample ID: MB-378763	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548983							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 378763	Analysis Date: 07/04/2024	Seq No: 13127197							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	BRL	0.00600									
Arsenic	BRL	0.0100									
Barium	BRL	0.0200									
Beryllium	BRL	0.00400									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0200									
Cobalt	BRL	0.0500									
Copper	BRL	0.0200									
Lead	BRL	0.0100									
Nickel	BRL	0.0400									
Selenium	BRL	0.0500									
Silver	BRL	0.00500									
Thallium	BRL	0.00200									
Vanadium	BRL	0.0500									
Zinc	BRL	0.0200									

Sample ID: LCS-378763	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548983							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 378763	Analysis Date: 07/04/2024	Seq No: 13127198							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09514	0.00600	0.1000		95.1	80	120				
Arsenic	0.09714	0.0100	0.1000		97.1	80	120				
Barium	0.09943	0.0200	0.1000		99.4	80	120				
Beryllium	0.09365	0.00400	0.1000		93.7	80	120				
Cadmium	0.09336	0.00500	0.1000		93.4	80	120				
Chromium	0.1005	0.0200	0.1000		101	80	120				
Cobalt	0.09934	0.0500	0.1000		99.3	80	120				
Copper	0.09523	0.0200	0.1000		95.2	80	120				

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378763

Sample ID: LCS-378763	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548983							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 378763	Analysis Date: 07/04/2024	Seq No: 13127198							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	0.09773	0.0100	0.1000		97.7	80	120				
Nickel	0.09855	0.0400	0.1000		98.5	80	120				
Selenium	0.09304	0.0500	0.1000		93.0	80	120				
Silver	0.009916	0.00500	0.0100		99.2	80	120				
Thallium	0.09988	0.00200	0.1000		99.9	80	120				
Vanadium	0.1013	0.0500	0.1000		101	80	120				
Zinc	0.09915	0.0200	0.1000		99.2	80	120				

Sample ID: 2406R14-003DMS	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548983							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 378763	Analysis Date: 07/04/2024	Seq No: 13127205							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09560	0.00600	0.1000		95.6	75	125				
Arsenic	0.09883	0.0100	0.1000		98.8	75	125				
Barium	0.1017	0.0200	0.1000	0.0004835	101	75	125				
Beryllium	0.09403	0.00400	0.1000		94.0	75	125				
Cadmium	0.09248	0.00500	0.1000		92.5	75	125				
Chromium	0.1001	0.0200	0.1000		100	75	125				
Cobalt	0.1000	0.0500	0.1000		100	75	125				
Copper	0.09724	0.0200	0.1000		97.2	75	125				
Lead	0.09754	0.0100	0.1000		97.5	75	125				
Nickel	0.09781	0.0400	0.1000		97.8	75	125				
Selenium	0.09404	0.0500	0.1000		94.0	75	125				
Silver	0.009911	0.00500	0.0100		99.1	75	125				
Thallium	0.1004	0.00200	0.1000	0.0002815	100	75	125				
Vanadium	0.09956	0.0500	0.1000		99.6	75	125				
Zinc	0.1019	0.0200	0.1000		102	75	125				

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378763

Sample ID: 2406R14-003DMSD	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548983
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 378763	Analysis Date: 07/04/2024	Seq No: 13127214

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.09307	0.00600	0.1000		93.1	75	125	0.09560	2.69	20	
Arsenic	0.09895	0.0100	0.1000		98.9	75	125	0.09883	0.120	20	
Barium	0.09795	0.0200	0.1000	0.0004835	97.5	75	125	0.1017	3.77	20	
Beryllium	0.09493	0.00400	0.1000		94.9	75	125	0.09403	0.956	20	
Cadmium	0.09266	0.00500	0.1000		92.7	75	125	0.09248	0.191	20	
Chromium	0.09954	0.0200	0.1000		99.5	75	125	0.1001	0.583	20	
Cobalt	0.09985	0.0500	0.1000		99.8	75	125	0.1000	0.164	20	
Copper	0.09401	0.0200	0.1000		94.0	75	125	0.09724	3.38	20	
Lead	0.09904	0.0100	0.1000		99.0	75	125	0.09754	1.53	20	
Nickel	0.09758	0.0400	0.1000		97.6	75	125	0.09781	0.234	20	
Selenium	0.09453	0.0500	0.1000		94.5	75	125	0.09404	0.517	20	
Silver	0.009940	0.00500	0.0100		99.4	75	125	0.009911	0.296	20	
Thallium	0.1027	0.00200	0.1000	0.0002815	102	75	125	0.1004	2.30	20	
Vanadium	0.09984	0.0500	0.1000		99.8	75	125	0.09956	0.281	20	
Zinc	0.09825	0.0200	0.1000		98.2	75	125	0.1019	3.65	20	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378764

Sample ID: MB-378764	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548964							
SampleType: MBLK	TestCode: METALS, TOTAL SW6010D	BatchID: 378764	Analysis Date: 07/03/2024	Seq No: 13125909							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	BRL	0.0100									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Lead	BRL	0.0100									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: LCS-378764	Client ID:	Units: mg/L	Prep Date: 07/02/2024	Run No: 548964							
SampleType: LCS	TestCode: METALS, TOTAL SW6010D	BatchID: 378764	Analysis Date: 07/03/2024	Seq No: 13125910							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.9971	0.0500	1.000		99.7	80	120				
Barium	1.011	0.0200	1.000		101	80	120				
Cadmium	0.9968	0.0050	1.000		99.7	80	120				
Chromium	0.9893	0.0100	1.000		98.9	80	120				
Lead	1.021	0.0100	1.000		102	80	120				
Nickel	1.029	0.0200	1.000		103	80	120				
Selenium	1.003	0.0200	1.000		100	80	120				
Silver	0.09741	0.0100	0.1000		97.4	80	120				
Zinc	0.9596	0.0200	1.000		96.0	80	120				

Sample ID: 2406W35-105BMS	Client ID: SWC-4	Units: mg/L	Prep Date: 07/02/2024	Run No: 548964							
SampleType: MS	TestCode: METALS, TOTAL SW6010D	BatchID: 378764	Analysis Date: 07/03/2024	Seq No: 13125914							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378764

Sample ID: 2406W35-105BMS	Client ID: SWC-4	Units: mg/L	Prep Date: 07/02/2024	Run No: 548964							
SampleType: MS	TestCode: METALS, TOTAL SW6010D	BatchID: 378764	Analysis Date: 07/03/2024	Seq No: 13125914							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.002	0.0500	1.000		100	75	125				
Barium	1.034	0.0200	1.000	0.01525	102	75	125				
Cadmium	1.004	0.0050	1.000		100	75	125				
Chromium	0.9981	0.0100	1.000		99.8	75	125				
Lead	1.025	0.0100	1.000		103	75	125				
Nickel	0.9239	0.0200	1.000		92.4	75	125				
Selenium	1.015	0.0200	1.000		101	75	125				
Silver	0.09846	0.0100	0.1000		98.5	75	125				
Zinc	0.9654	0.0200	1.000		96.5	75	125				

Sample ID: 2406W35-105BMSD	Client ID: SWC-4	Units: mg/L	Prep Date: 07/02/2024	Run No: 548964							
SampleType: MSD	TestCode: METALS, TOTAL SW6010D	BatchID: 378764	Analysis Date: 07/03/2024	Seq No: 13125915							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.9926	0.0500	1.000		99.3	75	125	1.002	0.922	20	
Barium	1.022	0.0200	1.000	0.01525	101	75	125	1.034	1.25	20	
Cadmium	0.9934	0.0050	1.000		99.3	75	125	1.004	1.10	20	
Chromium	0.9858	0.0100	1.000		98.6	75	125	0.9981	1.24	20	
Lead	1.013	0.0100	1.000		101	75	125	1.025	1.19	20	
Nickel	0.9118	0.0200	1.000		91.2	75	125	0.9239	1.32	20	
Selenium	1.006	0.0200	1.000		101	75	125	1.015	0.888	20	
Silver	0.09728	0.0100	0.1000		97.3	75	125	0.09846	1.21	20	
Zinc	0.9572	0.0200	1.000		95.7	75	125	0.9654	0.847	20	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378771

Sample ID: MB-378771	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548832							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378771	Analysis Date: 06/30/2024	Seq No: 13121531							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	5.0									
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,3-Trichloropropane	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Acrylonitrile	BRL	5.0									
Benzene	BRL	5.0									
Bromochloromethane	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378771

Sample ID: MB-378771	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548832
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378771	Analysis Date: 06/30/2024	Seq No: 13121531

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Ethylbenzene	BRL	5.0									
Iodomethane	BRL	10									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	10									
Surr: 4-Bromofluorobenzene	48.29	0	50.00		96.6	70	126				
Surr: Dibromofluoromethane	49.10	0	50.00		98.2	77	121				
Surr: Toluene-d8	47.54	0	50.00		95.1	78.6	119				

Sample ID: LCS-378771	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548832
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378771	Analysis Date: 06/30/2024	Seq No: 13121529

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
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Qualifiers:	> Greater than Result value	< Less than Result value
BRL	Below reporting limit	E Estimated (value above quantitation range)
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix
		B Analyte detected in the associated method blank
		H Holding times for preparation or analysis exceeded
		R RPD outside limits due to matrix

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378771

Sample ID: LCS-378771	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548832							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378771	Analysis Date: 06/30/2024	Seq No: 13121529							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	19.18	5.0	20.00		95.9	68.6	130				
Benzene	20.24	5.0	20.00		101	76.3	122				
Chlorobenzene	19.93	5.0	20.00		99.6	75.2	121				
Toluene	19.07	5.0	20.00		95.4	74.3	124				
Trichloroethene	20.50	5.0	20.00		102	71.9	129				
Surr: 4-Bromofluorobenzene	49.46	0	50.00		98.9	70	126				
Surr: Dibromofluoromethane	47.70	0	50.00		95.4	77	121				
Surr: Toluene-d8	46.79	0	50.00		93.6	78.6	119				

Sample ID: 2406V92-005AMS	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548832							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378771	Analysis Date: 07/01/2024	Seq No: 13121611							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	1892	500	2000		94.6	69	139				
Benzene	3981	500	2000	1957	101	71.3	133				
Chlorobenzene	1856	500	2000		92.8	77.6	128				
Toluene	6348	500	2000	4174	109	72	134				
Trichloroethene	2256	500	2000	364.0	94.6	76.8	136				
Surr: 4-Bromofluorobenzene	4906	0	5000		98.1	70	126				
Surr: Dibromofluoromethane	5036	0	5000		101	77	121				
Surr: Toluene-d8	4839	0	5000		96.8	78.6	119				

Sample ID: 2406V92-005AMSD	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548832							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378771	Analysis Date: 07/01/2024	Seq No: 13121615							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	1737	500	2000		86.8	69	139	1892	8.54	56.1	
Benzene	3817	500	2000	1957	93.0	71.3	133	3981	4.21	42.4	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378771

Sample ID: 2406V92-005AMSD	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548832							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378771	Analysis Date: 07/01/2024	Seq No: 13121615							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	1785	500	2000		89.2	77.6	128	1856	3.90	49.9	
Toluene	6016	500	2000	4174	92.1	72	134	6348	5.37	42.5	
Trichloroethene	2130	500	2000	364.0	88.3	76.8	136	2256	5.75	51.1	
Surr: 4-Bromofluorobenzene	4916	0	5000		98.3	70	126	4906	0	0	
Surr: Dibromofluoromethane	5083	0	5000		102	77	121	5036	0	0	
Surr: Toluene-d8	4893	0	5000		97.9	78.6	119	4839	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378774

Sample ID: MB-378774	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548765							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378774	Analysis Date: 06/30/2024	Seq No: 13122088							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	5.0
1,1,1-Trichloroethane	BRL	5.0
1,1,2,2-Tetrachloroethane	BRL	5.0
1,1,2-Trichloroethane	BRL	5.0
1,1-Dichloroethane	BRL	5.0
1,1-Dichloroethene	BRL	5.0
1,2,3-Trichloropropane	BRL	5.0
1,2-Dibromo-3-chloropropane	BRL	5.0
1,2-Dibromoethane	BRL	5.0
1,2-Dichlorobenzene	BRL	5.0
1,2-Dichloroethane	BRL	5.0
1,2-Dichloropropane	BRL	5.0
1,4-Dichlorobenzene	BRL	5.0
2-Butanone	BRL	50
2-Hexanone	BRL	10
4-Methyl-2-pentanone	BRL	10
Acetone	BRL	50
Acrylonitrile	BRL	5.0
Benzene	BRL	5.0
Bromochloromethane	BRL	5.0
Bromodichloromethane	BRL	5.0
Bromoform	BRL	5.0
Bromomethane	BRL	5.0
Carbon disulfide	BRL	5.0
Carbon tetrachloride	BRL	5.0
Chlorobenzene	BRL	5.0
Chloroethane	BRL	10

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378774

Sample ID: MB-378774	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548765							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378774	Analysis Date: 06/30/2024	Seq No: 13122088							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Ethylbenzene	BRL	5.0									
Iodomethane	BRL	10									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	10									
Surr: 4-Bromofluorobenzene	48.91	0	50.00		97.8	70	126				
Surr: Dibromofluoromethane	50.71	0	50.00		101	77	121				
Surr: Toluene-d8	49.89	0	50.00		99.8	78.6	119				

Sample ID: LCS-378774	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548765							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378774	Analysis Date: 06/30/2024	Seq No: 13119056							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378774

Sample ID: LCS-378774	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548765							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378774	Analysis Date: 06/30/2024	Seq No: 13119056							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.01	5.0	20.00		100	68.6	130				
Benzene	20.03	5.0	20.00		100	76.3	122				
Chlorobenzene	19.67	5.0	20.00		98.4	75.2	121				
Toluene	20.36	5.0	20.00		102	74.3	124				
Trichloroethene	20.09	5.0	20.00		100	71.9	129				
Surr: 4-Bromofluorobenzene	48.92	0	50.00		97.8	70	126				
Surr: Dibromofluoromethane	50.60	0	50.00		101	77	121				
Surr: Toluene-d8	49.99	0	50.00		100.0	78.6	119				

Sample ID: 2406V45-002AMS	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548765							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378774	Analysis Date: 06/30/2024	Seq No: 13122053							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.98	5.0	20.00		105	69	139				
Benzene	22.11	5.0	20.00	1.830	101	71.3	133				
Chlorobenzene	22.96	5.0	20.00	2.930	100	77.6	128				
Toluene	21.12	5.0	20.00	0.4000	104	72	134				
Trichloroethene	20.41	5.0	20.00		102	76.8	136				
Surr: 4-Bromofluorobenzene	49.65	0	50.00		99.3	70	126				
Surr: Dibromofluoromethane	50.44	0	50.00		101	77	121				
Surr: Toluene-d8	49.94	0	50.00		99.9	78.6	119				

Sample ID: 2406V45-001ADUP	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548765							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378774	Analysis Date: 06/30/2024	Seq No: 13122050							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	5.0						0	0	20	
1,1,1-Trichloroethane	BRL	5.0						0	0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378774

Sample ID: 2406V45-001ADUP	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548765
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378774	Analysis Date: 06/30/2024	Seq No: 13122050

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,2,2-Tetrachloroethane	BRL	5.0						0	0	20	
1,1,2-Trichloroethane	BRL	5.0						0	0	20	
1,1-Dichloroethane	BRL	5.0						0	0	20	
1,1-Dichloroethene	BRL	5.0						0	0	20	
1,2,3-Trichloropropane	BRL	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	BRL	5.0						0	0	20	
1,2-Dibromoethane	BRL	5.0						0	0	20	
1,2-Dichlorobenzene	BRL	5.0						0	0	20	
1,2-Dichloroethane	BRL	5.0						0	0	20	
1,2-Dichloropropane	BRL	5.0						0	0	20	
1,4-Dichlorobenzene	BRL	5.0						0	0	20	
2-Butanone	BRL	50						0	0	20	
2-Hexanone	BRL	10						0	0	20	
4-Methyl-2-pentanone	BRL	10						0	0	20	
Acetone	BRL	50						0	0	20	
Acrylonitrile	BRL	5.0						0	0	20	
Benzene	BRL	5.0						0	0	20	
Bromochloromethane	BRL	5.0						0	0	20	
Bromodichloromethane	BRL	5.0						0	0	20	
Bromoform	BRL	5.0						0	0	20	
Bromomethane	BRL	5.0						0	0	20	
Carbon disulfide	BRL	5.0						0	0	20	
Carbon tetrachloride	BRL	5.0						0	0	20	
Chlorobenzene	BRL	5.0						0	0	20	
Chloroethane	BRL	10						0	0	20	
Chloroform	BRL	5.0						0.2200	0	20	
Chloromethane	BRL	10						0	0	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378774

Sample ID: 2406V45-001ADUP	Client ID:	Units: ug/L	Prep Date: 06/29/2024	Run No: 548765							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378774	Analysis Date: 06/30/2024	Seq No: 13122050							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

cis-1,2-Dichloroethene	BRL	5.0						0	0	20	
cis-1,3-Dichloropropene	BRL	5.0						0	0	20	
Dibromochloromethane	BRL	5.0						0	0	20	
Dibromomethane	BRL	5.0						0	0	20	
Ethylbenzene	BRL	5.0						0	0	20	
Iodomethane	BRL	10						0	0	20	
Methylene chloride	BRL	5.0						0	0	20	
Styrene	BRL	5.0						0	0	20	
Tetrachloroethene	BRL	5.0						0	0	20	
Toluene	BRL	5.0						0	0	20	
trans-1,2-Dichloroethene	BRL	5.0						0	0	20	
trans-1,3-Dichloropropene	BRL	5.0						0	0	20	
trans-1,4-Dichloro-2-butene	BRL	10						0	0	20	
Trichloroethene	BRL	5.0						0	0	20	
Trichlorofluoromethane	BRL	5.0						0	0	20	
Vinyl acetate	BRL	10						0	0	20	
Vinyl chloride	BRL	2.0						0	0	20	
Xylenes, Total	BRL	10						0	0	20	
Surr: 4-Bromofluorobenzene	49.72	0	50.00		99.4	70	126	49.89	0	0	
Surr: Dibromofluoromethane	50.24	0	50.00		100	77	121	50.35	0	0	
Surr: Toluene-d8	49.81	0	50.00		99.6	78.6	119	49.84	0	0	

Qualifiers:	> Greater than Result value	< Less than Result value
BRL	Below reporting limit	E Estimated (value above quantitation range)
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix
		B Analyte detected in the associated method blank
		H Holding times for preparation or analysis exceeded
		R RPD outside limits due to matrix

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378776

Sample ID: MB-378776	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548799							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378776	Analysis Date: 06/30/2024	Seq No: 13120525							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	5.0									
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,3-Trichloropropane	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Acrylonitrile	BRL	5.0									
Benzene	BRL	5.0									
Bromochloromethane	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378776

Sample ID: MB-378776	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548799							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378776	Analysis Date: 06/30/2024	Seq No: 13120525							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Ethylbenzene	BRL	5.0									
Iodomethane	BRL	10									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	10									
Surr: 4-Bromofluorobenzene	49.52	0	50.00		99.0	70	126				
Surr: Dibromofluoromethane	50.53	0	50.00		101	77	121				
Surr: Toluene-d8	50.04	0	50.00		100	78.6	119				

Sample ID: LCS-378776	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548799							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378776	Analysis Date: 06/30/2024	Seq No: 13122582							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378776

Sample ID: LCS-378776	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548799							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378776	Analysis Date: 06/30/2024	Seq No: 13122582							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.87	5.0	20.00		104	68.6	130				
Benzene	20.59	5.0	20.00		103	76.3	122				
Chlorobenzene	20.39	5.0	20.00		102	75.2	121				
Toluene	21.01	5.0	20.00		105	74.3	124				
Trichloroethene	21.04	5.0	20.00		105	71.9	129				
Surr: 4-Bromofluorobenzene	49.56	0	50.00		99.1	70	126				
Surr: Dibromofluoromethane	51.14	0	50.00		102	77	121				
Surr: Toluene-d8	50.18	0	50.00		100	78.6	119				

Sample ID: 2406T38-002AMS	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548799							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378776	Analysis Date: 07/01/2024	Seq No: 13122697							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	21.00	5.0	20.00		105	69	139				
Benzene	20.38	5.0	20.00		102	71.3	133				
Chlorobenzene	20.12	5.0	20.00		101	77.6	128				
Toluene	20.80	5.0	20.00		104	72	134				
Trichloroethene	20.72	5.0	20.00		104	76.8	136				
Surr: 4-Bromofluorobenzene	49.55	0	50.00		99.1	70	126				
Surr: Dibromofluoromethane	51.11	0	50.00		102	77	121				
Surr: Toluene-d8	50.93	0	50.00		102	78.6	119				

Sample ID: 2406T38-001ADUP	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548799							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378776	Analysis Date: 06/30/2024	Seq No: 13122694							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	5.0						0	0	20	
1,1,1-Trichloroethane	BRL	5.0						0	0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378776

Sample ID: 2406T38-001ADUP	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548799
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378776	Analysis Date: 06/30/2024	Seq No: 13122694

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,2,2-Tetrachloroethane	BRL	5.0						0	0	20	
1,1,2-Trichloroethane	BRL	5.0						0	0	20	
1,1-Dichloroethane	BRL	5.0						0	0	20	
1,1-Dichloroethene	BRL	5.0						0	0	20	
1,2,3-Trichloropropane	BRL	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	BRL	5.0						0	0	20	
1,2-Dibromoethane	BRL	5.0						0	0	20	
1,2-Dichlorobenzene	BRL	5.0						0	0	20	
1,2-Dichloroethane	BRL	5.0						0	0	20	
1,2-Dichloropropane	BRL	5.0						0	0	20	
1,4-Dichlorobenzene	BRL	5.0						0	0	20	
2-Butanone	BRL	50						0	0	20	
2-Hexanone	BRL	10						0	0	20	
4-Methyl-2-pentanone	BRL	10						0	0	20	
Acetone	BRL	50						0	0	20	
Acrylonitrile	BRL	5.0						0	0	20	
Benzene	BRL	5.0						0	0	20	
Bromochloromethane	BRL	5.0						0	0	20	
Bromodichloromethane	BRL	5.0						0	0	20	
Bromoform	BRL	5.0						0	0	20	
Bromomethane	BRL	5.0						0	0	20	
Carbon disulfide	BRL	5.0						0	0	20	
Carbon tetrachloride	BRL	5.0						0	0	20	
Chlorobenzene	BRL	5.0						0	0	20	
Chloroethane	BRL	10						0	0	20	
Chloroform	BRL	5.0						0	0	20	
Chloromethane	BRL	10						0	0	20	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378776

Sample ID: 2406T38-001ADUP	Client ID:	Units: ug/L	Prep Date: 06/30/2024	Run No: 548799							
SampleType: DUP	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 378776	Analysis Date: 06/30/2024	Seq No: 13122694							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

cis-1,2-Dichloroethene	BRL	5.0						0	0	20	
cis-1,3-Dichloropropene	BRL	5.0						0	0	20	
Dibromochloromethane	BRL	5.0						0	0	20	
Dibromomethane	BRL	5.0						0	0	20	
Ethylbenzene	BRL	5.0						0	0	20	
Iodomethane	BRL	10						0	0	20	
Methylene chloride	BRL	5.0						0	0	20	
Styrene	BRL	5.0						0	0	20	
Tetrachloroethene	BRL	5.0						0	0	20	
Toluene	BRL	5.0						0	0	20	
trans-1,2-Dichloroethene	BRL	5.0						0	0	20	
trans-1,3-Dichloropropene	BRL	5.0						0	0	20	
trans-1,4-Dichloro-2-butene	BRL	10						0	0	20	
Trichloroethene	BRL	5.0						0	0	20	
Trichlorofluoromethane	BRL	5.0						0	0	20	
Vinyl acetate	BRL	10						0	0	20	
Vinyl chloride	BRL	2.0						0	0	20	
Xylenes, Total	BRL	10						0	0	20	
Surr: 4-Bromofluorobenzene	48.52	0	50.00		97.0	70	126	0	0	0	
Surr: Dibromofluoromethane	50.38	0	50.00		101	77	121	0	0	0	
Surr: Toluene-d8	50.56	0	50.00		101	78.6	119	0	0	0	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378808

Sample ID: MB-378808	Client ID:	Units: mg/L	Prep Date: 07/03/2024	Run No: 548971							
SampleType: MBLK	TestCode: Total Cyanide SM4500 CN-C, E-2016	BatchID: 378808	Analysis Date: 07/03/2024	Seq No: 13126199							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total BRL 0.010

Sample ID: LCS-378808	Client ID:	Units: mg/L	Prep Date: 07/03/2024	Run No: 548971							
SampleType: LCS	TestCode: Total Cyanide SM4500 CN-C, E-2016	BatchID: 378808	Analysis Date: 07/03/2024	Seq No: 13126200							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.09300 0.010 0.1000 93.0 85 115

Sample ID: 2406W35-105DMS	Client ID: SWC-4	Units: mg/L	Prep Date: 07/03/2024	Run No: 548971							
SampleType: MS	TestCode: Total Cyanide SM4500 CN-C, E-2016	BatchID: 378808	Analysis Date: 07/03/2024	Seq No: 13126202							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.09100 0.010 0.1000 91.0 76 120

Sample ID: 2406W55-006CMS	Client ID:	Units: mg/L	Prep Date: 07/03/2024	Run No: 548971							
SampleType: MS	TestCode: Total Cyanide SM4500 CN-C, E-2016	BatchID: 378808	Analysis Date: 07/03/2024	Seq No: 13126215							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.08200 0.010 0.1000 82.0 76 120

Sample ID: 2406W35-105DMSD	Client ID: SWC-4	Units: mg/L	Prep Date: 07/03/2024	Run No: 548971							
SampleType: MSD	TestCode: Total Cyanide SM4500 CN-C, E-2016	BatchID: 378808	Analysis Date: 07/03/2024	Seq No: 13126203							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.08500 0.010 0.1000 85.0 76 120 0.09100 6.82 19.1

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378818

Sample ID: MB-378818	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548948							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378818	Analysis Date: 07/02/2024	Seq No: 13125463							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	1.0									
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,1-Dichloropropene	BRL	1.0									
1,2,3-Trichloropropane	BRL	1.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,3-Dichloropropane	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2,2-Dichloropropane	BRL	2.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	1.0									
Bromochloromethane	BRL	1.0									
Bromodichloromethane	BRL	1.0									

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378818

Sample ID: MB-378818	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548948
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378818	Analysis Date: 07/02/2024	Seq No: 13125463

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Dibromochloromethane	BRL	1.0									
Dibromomethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Iodomethane	BRL	2.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	1.0									

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378818

Sample ID: MB-378818	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548948							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378818	Analysis Date: 07/02/2024	Seq No: 13125463							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	49.22	0	50.00		98.4	70	126				
Surr: Dibromofluoromethane	49.93	0	50.00		99.9	77	121				
Surr: Toluene-d8	49.94	0	50.00		99.9	78.6	119				

Sample ID: MB-378818	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548948							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378818	Analysis Date: 07/02/2024	Seq No: 13125692							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetonitrile	BRL	100									
Allyl Chloride	BRL	10									
Chloroprene	BRL	20									
Ethyl Methacrylate	BRL	10									
Isobutyl Alcohol	BRL	200									
Methyl Methacrylate	BRL	10									
Methylacrylonitrile	BRL	200									
Propionitrile	BRL	100									
Surr: 4-Bromofluorobenzene	52.22	0	50.00		104	70	126				
Surr: Dibromofluoromethane	53.87	0	50.00		108	77	121				
Surr: Toluene-d8	54.17	0	50.00		108	78.6	119				

Sample ID: LCS-378818	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548948							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378818	Analysis Date: 07/02/2024	Seq No: 13125464							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.16	2.0	20.00		101	68.6	130				
Benzene	19.93	1.0	20.00		99.6	76.3	122				
Chlorobenzene	19.59	1.0	20.00		98.0	75.2	121				

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378818

Sample ID: LCS-378818	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548948							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378818	Analysis Date: 07/02/2024	Seq No: 13125464							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Toluene	19.90	1.0	20.00		99.5	74.3	124				
Trichloroethene	19.41	1.0	20.00		97.0	71.9	129				
Surr: 4-Bromofluorobenzene	48.74	0	50.00		97.5	70	126				
Surr: Dibromofluoromethane	49.28	0	50.00		98.6	77	121				
Surr: Toluene-d8	49.17	0	50.00		98.3	78.6	119				

Sample ID: 2406S16-010AMS	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548948							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378818	Analysis Date: 07/03/2024	Seq No: 13125654							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	217.7	20	200.0	12.60	103	69	139				
Benzene	192.4	10	200.0		96.2	71.3	133				
Chlorobenzene	192.1	10	200.0		96.0	77.6	128				
Toluene	189.3	10	200.0		94.6	72	134				
Trichloroethene	546.7	10	200.0	356.5	95.1	76.8	136				
Surr: 4-Bromofluorobenzene	502.1	0	500.0		100	70	126				
Surr: Dibromofluoromethane	507.4	0	500.0		101	77	121				
Surr: Toluene-d8	492.8	0	500.0		98.6	78.6	119				

Sample ID: 2406S16-010ADUP	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548948							
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378818	Analysis Date: 07/03/2024	Seq No: 13125656							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	10						0	0	30	
1,1,1-Trichloroethane	14.70	10						15.60	5.94	30	
1,1,2,2-Tetrachloroethane	BRL	10						0	0	30	
1,1,2-Trichloroethane	BRL	10						0	0	30	
1,1-Dichloroethane	BRL	10						0	0	30	

Qualifiers: > Greater than Result value < Less than Result value B Analyte detected in the associated method blank
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378818

Sample ID: 2406S16-010ADUP	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548948							
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378818	Analysis Date: 07/03/2024	Seq No: 13125656							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	20						12.60	0	30	
1,1-Dichloropropene	BRL	10						0	0	30	
1,2,3-Trichloropropane	BRL	10						0	0	30	
1,2,4-Trichlorobenzene	BRL	10						0	0	30	
1,2-Dibromo-3-chloropropane	BRL	10						0	0	30	
1,2-Dibromoethane	BRL	10						0	0	30	
1,2-Dichlorobenzene	BRL	10						0	0	30	
1,2-Dichloroethane	BRL	10						0	0	30	
1,2-Dichloropropane	BRL	10						0	0	30	
1,3-Dichlorobenzene	BRL	10						0	0	30	
1,3-Dichloropropane	BRL	10						0	0	30	
1,4-Dichlorobenzene	BRL	10						0	0	30	
2,2-Dichloropropane	BRL	20						0	0	30	
2-Butanone	BRL	100						0	0	30	
2-Hexanone	BRL	100						0	0	30	
4-Methyl-2-pentanone	BRL	100						0	0	30	
Acetone	BRL	200						0	0	30	
Acrolein	BRL	200						0	0	30	
Acrylonitrile	BRL	50						0	0	30	
Benzene	BRL	10						0	0	30	
Bromochloromethane	BRL	10						0	0	30	
Bromodichloromethane	BRL	10						0	0	30	
Bromoform	BRL	10						0	0	30	
Bromomethane	BRL	10						0	0	30	
Carbon disulfide	BRL	50						0	0	30	
Carbon tetrachloride	BRL	20						0	0	30	
Chlorobenzene	BRL	10						0	0	30	

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378818

Sample ID: 2406S16-010ADUP	Client ID:	Units: ug/L	Prep Date: 07/02/2024	Run No: 548948
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378818	Analysis Date: 07/03/2024	Seq No: 13125656

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloroethane	BRL	10						0	0	30	
Chloroform	BRL	10						0	0	30	
Chloromethane	BRL	10						0	0	30	
cis-1,2-Dichloroethene	128.2	10						125.2	2.37	30	
cis-1,3-Dichloropropene	BRL	10						0	0	30	
Dibromochloromethane	BRL	10						0	0	30	
Dibromomethane	BRL	10						0	0	30	
Dichlorodifluoromethane	BRL	10						0	0	30	
Ethylbenzene	BRL	10						0	0	30	
Iodomethane	BRL	20						0	0	30	
Methylene chloride	BRL	50						0	0	30	
Naphthalene	BRL	50						0	0	30	
Styrene	BRL	10						0	0	30	
Tetrachloroethene	BRL	10						0	0	30	
Toluene	BRL	10						0	0	30	
trans-1,2-Dichloroethene	BRL	20						0	0	30	
trans-1,3-Dichloropropene	BRL	20						0	0	30	
trans-1,4-Dichloro-2-butene	BRL	100						0	0	30	
Trichloroethene	336.0	10						356.5	5.92	30	
Trichlorofluoromethane	BRL	10						0	0	30	
Vinyl acetate	BRL	100						0	0	30	
Vinyl chloride	BRL	10						0	0	30	
Xylenes, Total	BRL	10						0	0	30	
Surr: 4-Bromofluorobenzene	479.4	0	500.0		95.9	70	126	497.0	0	0	
Surr: Dibromofluoromethane	501.5	0	500.0		100	77	121	510.7	0	0	
Surr: Toluene-d8	496.5	0	500.0		99.3	78.6	119	505.9	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378828

Sample ID: MB-378828	Client ID:	Units: ug/L	Prep Date: 07/03/2024	Run No: 549005
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378828	Analysis Date: 07/03/2024	Seq No: 13127434

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	1.0									
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,1-Dichloropropene	BRL	1.0									
1,2,3-Trichloropropane	BRL	1.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,3-Dichloropropane	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2,2-Dichloropropane	BRL	2.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	1.0									
Bromochloromethane	BRL	1.0									
Bromodichloromethane	BRL	1.0									

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378828

Sample ID: MB-378828	Client ID:	Units: ug/L	Prep Date: 07/03/2024	Run No: 549005							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378828	Analysis Date: 07/03/2024	Seq No: 13127434							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Bromoform	BRL	1.0
Bromomethane	BRL	1.0
Carbon disulfide	BRL	5.0
Carbon tetrachloride	BRL	2.0
Chlorobenzene	BRL	1.0
Chloroethane	BRL	1.0
Chloroform	BRL	1.0
Chloromethane	BRL	1.0
cis-1,2-Dichloroethene	BRL	1.0
cis-1,3-Dichloropropene	BRL	1.0
Dibromochloromethane	BRL	1.0
Dibromomethane	BRL	1.0
Dichlorodifluoromethane	BRL	1.0
Ethylbenzene	BRL	1.0
Iodomethane	BRL	2.0
Methylene chloride	BRL	5.0
Naphthalene	BRL	5.0
Styrene	BRL	1.0
Tetrachloroethene	BRL	1.0
Toluene	BRL	1.0
trans-1,2-Dichloroethene	BRL	2.0
trans-1,3-Dichloropropene	BRL	2.0
trans-1,4-Dichloro-2-butene	BRL	10
Trichloroethene	BRL	1.0
Trichlorofluoromethane	BRL	1.0
Vinyl acetate	BRL	10
Vinyl chloride	BRL	1.0

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378828

Sample ID: MB-378828	Client ID:	Units: ug/L	Prep Date: 07/03/2024	Run No: 549005							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378828	Analysis Date: 07/03/2024	Seq No: 13127434							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	48.17	0	50.00		96.3	70	126				
Surr: Dibromofluoromethane	50.00	0	50.00		100	77	121				
Surr: Toluene-d8	50.39	0	50.00		101	78.6	119				

Sample ID: MB-378828	Client ID:	Units: ug/L	Prep Date: 07/03/2024	Run No: 549005							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378828	Analysis Date: 07/03/2024	Seq No: 13127455							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetonitrile	BRL	100									
Allyl Chloride	BRL	10									
Chloroprene	BRL	20									
Ethyl Methacrylate	BRL	10									
Isobutyl Alcohol	BRL	200									
Methyl Methacrylate	BRL	10									
Methylacrylonitrile	BRL	200									
Propionitrile	BRL	100									
Surr: 4-Bromofluorobenzene	51.05	0	50.00		102	70	126				
Surr: Dibromofluoromethane	53.95	0	50.00		108	77	121				
Surr: Toluene-d8	54.66	0	50.00		109	78.6	119				

Sample ID: LCS-378828	Client ID:	Units: ug/L	Prep Date: 07/03/2024	Run No: 549005							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378828	Analysis Date: 07/03/2024	Seq No: 13127435							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.28	2.0	20.00		101	68.6	130				
Benzene	20.23	1.0	20.00		101	76.3	122				
Chlorobenzene	19.71	1.0	20.00		98.6	75.2	121				

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378828

Sample ID: LCS-378828	Client ID:	Units: ug/L	Prep Date: 07/03/2024	Run No: 549005							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378828	Analysis Date: 07/03/2024	Seq No: 13127435							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Toluene	20.51	1.0	20.00		103	74.3	124				
Trichloroethene	19.51	1.0	20.00		97.6	71.9	129				
Surr: 4-Bromofluorobenzene	49.80	0	50.00		99.6	70	126				
Surr: Dibromofluoromethane	49.84	0	50.00		99.7	77	121				
Surr: Toluene-d8	50.32	0	50.00		101	78.6	119				

Sample ID: 2406W35-082AMS	Client ID: PH1-GWC-3A	Units: ug/L	Prep Date: 07/03/2024	Run No: 549005							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378828	Analysis Date: 07/03/2024	Seq No: 13127438							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	22.18	2.0	20.00		111	69	139				
Benzene	21.88	1.0	20.00	0.3900	107	71.3	133				
Chlorobenzene	20.57	1.0	20.00	0.2500	102	77.6	128				
Toluene	21.73	1.0	20.00		109	72	134				
Trichloroethene	29.07	1.0	20.00	6.760	112	76.8	136				
Surr: 4-Bromofluorobenzene	51.86	0	50.00		104	70	126				
Surr: Dibromofluoromethane	51.07	0	50.00		102	77	121				
Surr: Toluene-d8	50.14	0	50.00		100	78.6	119				

Sample ID: 2406W35-082AMSD	Client ID: PH1-GWC-3A	Units: ug/L	Prep Date: 07/03/2024	Run No: 549005							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378828	Analysis Date: 07/03/2024	Seq No: 13127439							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	21.98	2.0	20.00		110	69	139	22.18	0.906	56.1	
Benzene	21.40	1.0	20.00	0.3900	105	71.3	133	21.88	2.22	42.4	
Chlorobenzene	20.94	1.0	20.00	0.2500	103	77.6	128	20.57	1.78	49.9	
Toluene	20.78	1.0	20.00		104	72	134	21.73	4.47	42.5	
Trichloroethene	25.57	1.0	20.00	6.760	94.0	76.8	136	29.07	12.8	51.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378828

Sample ID: 2406W35-082AMSD	Client ID: PH1-GWC-3A	Units: ug/L	Prep Date: 07/03/2024	Run No: 549005							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 378828	Analysis Date: 07/03/2024	Seq No: 13127439							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: 4-Bromofluorobenzene	49.20	0	50.00		98.4	70	126	51.86	0	0	
Surr: Dibromofluoromethane	50.13	0	50.00		100	77	121	51.07	0	0	
Surr: Toluene-d8	50.08	0	50.00		100	78.6	119	50.14	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: 378836

Sample ID: MB-378836	Client ID:	Units: mg/L	Prep Date: 07/06/2024	Run No: 549035							
SampleType: MBLK	TestCode: Mercury, Total SW7470A	BatchID: 378836	Analysis Date: 07/06/2024	Seq No: 13128522							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury BRL 0.00020

Sample ID: LCS-378836	Client ID:	Units: mg/L	Prep Date: 07/06/2024	Run No: 549035							
SampleType: LCS	TestCode: Mercury, Total SW7470A	BatchID: 378836	Analysis Date: 07/06/2024	Seq No: 13128523							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004148 0.00020 0.0040 104 80 120

Sample ID: 2406W35-008AMS	Client ID: SWC-5	Units: mg/L	Prep Date: 07/06/2024	Run No: 549035							
SampleType: MS	TestCode: Mercury, Total SW7470A	BatchID: 378836	Analysis Date: 07/06/2024	Seq No: 13128525							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003952 0.00020 0.0040 98.8 75 125

Sample ID: 2406W35-008AMSD	Client ID: SWC-5	Units: mg/L	Prep Date: 07/06/2024	Run No: 549035							
SampleType: MSD	TestCode: Mercury, Total SW7470A	BatchID: 378836	Analysis Date: 07/06/2024	Seq No: 13128526							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004249 0.00020 0.0040 106 75 125 0.003952 7.24 20

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: R548889

Sample ID: MB-R548889	Client ID:	Units: mg/L	Prep Date:	Run No: 548889							
SampleType: MBLK	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R548889	Analysis Date: 07/02/2024	Seq No: 13125264							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand BRL 10.0

Sample ID: LCS-R548889	Client ID:	Units: mg/L	Prep Date:	Run No: 548889							
SampleType: LCS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R548889	Analysis Date: 07/02/2024	Seq No: 13125265							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 484.4 10.0 500.0 96.9 90 110

Sample ID: 2406W35-010EMS	Client ID: SWC-1	Units: mg/L	Prep Date:	Run No: 548889							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R548889	Analysis Date: 07/02/2024	Seq No: 13125280							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 366.8 12.5 375.0 97.8 90 110

Sample ID: 2406W35-102DMS	Client ID: SWA-2	Units: mg/L	Prep Date:	Run No: 548889							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R548889	Analysis Date: 07/02/2024	Seq No: 13125267							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 364.0 12.5 375.0 97.1 90 110

Sample ID: 2406W35-102DMSD	Client ID: SWA-2	Units: mg/L	Prep Date:	Run No: 548889							
SampleType: MSD	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R548889	Analysis Date: 07/02/2024	Seq No: 13125268							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 369.6 12.5 375.0 98.6 90 110 364.0 1.53 30

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: R548907

Sample ID: MB-R548907	Client ID:	Units: mg/L	Prep Date:	Run No: 548907							
SampleType: MBLK	TestCode: Inorganic Anions by IC E300.0	BatchID: R548907	Analysis Date: 07/02/2024	Seq No: 13123721							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride BRL 1.00

Sample ID: LCS-R548907	Client ID:	Units: mg/L	Prep Date:	Run No: 548907							
SampleType: LCS	TestCode: Inorganic Anions by IC E300.0	BatchID: R548907	Analysis Date: 07/02/2024	Seq No: 13123720							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 9.712 1.00 10.00 97.1 90 110

Sample ID: 2406W35-009CMS	Client ID: SWC-6	Units: mg/L	Prep Date:	Run No: 548907							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R548907	Analysis Date: 07/02/2024	Seq No: 13123729							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 13.63 1.00 10.00 4.834 88.0 90 110 S

Sample ID: 2406W35-009CMSD	Client ID: SWC-6	Units: mg/L	Prep Date:	Run No: 548907							
SampleType: MSD	TestCode: Inorganic Anions by IC E300.0	BatchID: R548907	Analysis Date: 07/02/2024	Seq No: 13123730							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 13.39 1.00 10.00 4.834 85.6 90 110 13.63 1.76 20 S

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: R548970

Sample ID: MB-R548970	Client ID:	Units: mg/L	Prep Date:	Run No: 548970							
SampleType: MBLK	TestCode: Total Organic Carbon (TOC) by SM5310B-2014	BatchID: R548970	Analysis Date: 07/03/2024	Seq No: 13126246							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

BRL 1.00

Sample ID: LCS-R548970	Client ID:	Units: mg/L	Prep Date:	Run No: 548970							
SampleType: LCS	TestCode: Total Organic Carbon (TOC) by SM5310B-2014	BatchID: R548970	Analysis Date: 07/03/2024	Seq No: 13126243							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

24.22 1.00 25.00 96.9 85 115

Sample ID: 2406T38-006BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 548970							
SampleType: MS	TestCode: Total Organic Carbon (TOC) by SM5310B-2014	BatchID: R548970	Analysis Date: 07/03/2024	Seq No: 13126248							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

29.91 1.00 25.00 8.413 86.0 85 115

Sample ID: 2406T38-007BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 548970							
SampleType: MS	TestCode: Total Organic Carbon (TOC) by SM5310B-2014	BatchID: R548970	Analysis Date: 07/04/2024	Seq No: 13126280							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

29.81 1.00 25.00 5.521 97.2 85 115

Sample ID: 2406T38-006BMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 548970							
SampleType: MSD	TestCode: Total Organic Carbon (TOC) by SM5310B-2014	BatchID: R548970	Analysis Date: 07/03/2024	Seq No: 13126249							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

30.35 1.00 25.00 8.413 87.7 85 115 29.91 1.46 15

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: R548970

Sample ID: 2406T38-007BMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 548970							
SampleType: MSD	TestCode: Total Organic Carbon (TOC) by SM5310B-2014	BatchID: R548970	Analysis Date: 07/04/2024	Seq No: 13126282							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	30.39	1.00	25.00	5.521	99.5	85	115	29.81	1.93	15	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County-Hightower Road MSWLF
Workorder: 2406W35

ANALYTICAL QC SUMMARY REPORT

BatchID: R549032

Sample ID: MB-R549032	Client ID:	Units: mg/L	Prep Date:	Run No: 549032							
SampleType: MBLK	TestCode: Total Organic Carbon (TOC) by SM5310B-2014	BatchID: R549032	Analysis Date: 07/05/2024	Seq No: 13128353							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

BRL 1.00

Sample ID: LCS-R549032	Client ID:	Units: mg/L	Prep Date:	Run No: 549032							
SampleType: LCS	TestCode: Total Organic Carbon (TOC) by SM5310B-2014	BatchID: R549032	Analysis Date: 07/05/2024	Seq No: 13128350							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

24.99 1.00 25.00 100.0 85 115

Sample ID: 2406W35-102EMS	Client ID: SWA-2	Units: mg/L	Prep Date:	Run No: 549032							
SampleType: MS	TestCode: Total Organic Carbon (TOC) by SM5310B-2014	BatchID: R549032	Analysis Date: 07/05/2024	Seq No: 13128356							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

30.51 1.00 25.00 2.794 111 85 115

Sample ID: 2406W35-102EMSD	Client ID: SWA-2	Units: mg/L	Prep Date:	Run No: 549032							
SampleType: MSD	TestCode: Total Organic Carbon (TOC) by SM5310B-2014	BatchID: R549032	Analysis Date: 07/05/2024	Seq No: 13128357							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

29.94 1.00 25.00 2.794 109 85 115 30.51 1.89 15

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

End of Report

APPENDIX B
Statistical Analysis

Kruskal-Wallis Non-Parametric Test

Interwell ANOVA - Significant Only

Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I Printed 8/4/2024, 4:56 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>Crit.</u>	<u>Sig.</u>	<u>Alpha</u>	<u>Transform</u>	<u>ANOVA Sig.</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	PH1-GWC-3A	59.17	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWC-2	55.83	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWC-3	82.63	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Barium (mg/L)	PH1-GWC-4	67.06	40.29	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWC-2	47.88	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWA-1	37.38	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWA-1A	43.92	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWC-3	54.58	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWC-3A	57.92	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWC-1	86.04	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWB-1	102.1	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWA-2	111.1	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	GWC-1	125.2	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Chromium (mg/L)	PH1-GWC-2	44.67	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-3	81.54	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWA-1	45.25	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-2	63.67	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-3A	78.04	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWA-2	97	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Cobalt (mg/L)	PH1-GWA-1	78	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWC-3A	64.83	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWC-2	67.08	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWC-3	86.25	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	PH1-GWC-3	80.54	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWC-2	48.67	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWA-2	44.29	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWC-3A	81.88	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWA-1	42.25	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWB-2	69.25	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)

Interwell ANOVA

Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I Printed 8/4/2024, 4:57 PM

Constituent	Well	Calc.	Crit.	Sig.	Alpha	Transform	ANOVA Sig.	Alpha	Method
1,1-Dichloroethane (ug/L)	GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWB-2	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWB-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWC-4	0	40.29	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWC-3A	59.17	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWC-2	55.83	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWA-1A	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWA-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWA-2	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	PH1-GWC-3	82.63	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Barium (mg/L)	PH1-GWC-4	67.06	40.29	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWC-2	47.88	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWB-2	4	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWA-1	37.38	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWA-1A	43.92	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWC-3	54.58	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWC-3A	57.92	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWC-1	86.04	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWB-1	102.1	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	PH1-GWA-2	111.1	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (mg/L)	GWC-1	125.2	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Chromium (mg/L)	GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Chromium (mg/L)	PH1-GWB-2	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Chromium (mg/L)	PH1-GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Chromium (mg/L)	PH1-GWB-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Chromium (mg/L)	PH1-GWC-4	9.111	40.29	No	0.01	n/a	Yes	0.05	NP (NDs)
Chromium (mg/L)	PH1-GWC-2	44.67	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Chromium (mg/L)	PH1-GWC-3A	6.5	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Chromium (mg/L)	PH1-GWC-3	6.5	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Chromium (mg/L)	PH1-GWA-1A	18.25	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Chromium (mg/L)	PH1-GWA-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Chromium (mg/L)	PH1-GWA-2	6.5	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
cis-1,2-Dichloroethene (ug/L)	GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWB-2	4.25	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWB-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-4	0	40.29	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-3	81.54	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWA-1A	0	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWA-1	45.25	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-2	63.67	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-3A	78.04	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	PH1-GWA-2	97	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Cobalt (mg/L)	GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (mg/L)	PH1-GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (mg/L)	PH1-GWC-2	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (mg/L)	PH1-GWB-2	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (mg/L)	PH1-GWB-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (mg/L)	PH1-GWC-4	0	40.29	No	0.01	n/a	Yes	0.05	NP (NDs)

Interwell ANOVA

Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I Printed 8/4/2024, 4:57 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>Crit.</u>	<u>Sig.</u>	<u>Alpha</u>	<u>Transform</u>	<u>ANOVA Sig.</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	PH1-GWC-3A	5.875	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (mg/L)	PH1-GWC-3	5.875	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (mg/L)	PH1-GWA-2	5.875	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (mg/L)	PH1-GWA-1A	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (mg/L)	PH1-GWA-1	78	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWB-2	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWB-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWC-4	0	40.29	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWC-3A	64.83	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWA-1A	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWA-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWA-2	4.958	36.44	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWC-2	67.08	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	PH1-GWC-3	86.25	36.44	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWB-2	0	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWB-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWC-4	0	40.29	No	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWC-3	80.54	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWC-2	48.67	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWC-1	0	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWA-1A	0	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWA-1	6	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWA-2	44.29	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Trichloroethene (ug/L)	PH1-GWC-3A	81.88	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	GWC-1	9.75	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWC-1	2.75	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWB-1	13.96	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWC-4	21.97	40.29	No	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWC-2	32.79	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWC-3A	29	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWC-3	-3.917	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWA-2	2.208	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWA-1A	3.292	36.44	No	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWA-1	42.25	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)
Zinc (mg/L)	PH1-GWB-2	69.25	36.44	Yes	0.01	n/a	Yes	0.05	NP (normality)

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethane Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 128.7

Tabulated Chi-Squared value = 21.026 with 12 degrees of freedom at the 5% significance level.

There were 10 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 63.45

Adjusted Kruskal-Wallis statistic (H') = 128.7

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 3 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-1	0	36.44	No
PH1-GWB-2	0	36.44	No
PH1-GWB-1	0	36.44	No
PH1-GWC-4	0	40.29	No
PH1-GWC-3A	59.17	36.44	Yes
PH1-GWC-2	55.83	36.44	Yes
PH1-GWC-1	0	36.44	No
PH1-GWA-1A	0	36.44	No
PH1-GWA-1	0	36.44	No
PH1-GWA-2	0	36.44	No
PH1-GWC-3	82.63	36.44	Yes

The critical (contrast) value was computed with 11 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethane (ug/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA

Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	GWC-1	PH1-GWB-1	PH1-GWA-3A (bg)	PH1-GWB-2	PH1-GWA-2	PH1-GWC-2	PH1-GWA-1A	PH1-GWC-3	PH1-GWC-3A
12/17/2018	<2	<2	<2	<2					
12/18/2018					<2	2.8	<2	2.7	2.3
12/19/2018									
6/10/2019						3	<2	3.3	2.5
6/11/2019		<2			<2				
6/12/2019				<2					
6/13/2019	<2		<2						
12/9/2019					<2			4	3.1
12/10/2019	<2	<2				3.7	<2		
12/11/2019									
12/12/2019			<2	<2					
6/22/2020	<2					3.1	<2	2.9	
6/24/2020		<2		<2	<2				
6/25/2020			<2						
6/26/2020									<2
12/15/2020					<2			3.6	3
12/16/2020	<2								
12/17/2020		<2		<2		3.8			
12/18/2020			<2				<2		
6/14/2021		<2						3.4	2.8
6/15/2021	<2		<2				<2		
6/16/2021				<2	<2				
6/17/2021						3			
12/13/2021		<2		<2			<2		
12/14/2021					<2	2.9		3.2	2.3
12/15/2021	<2		<2						
6/6/2022			<2						
6/7/2022	<2	<2			<2			3.2	3.1
6/8/2022						<2	<2		
6/9/2022				<2					
12/12/2022	<2	<2	<2	<2					
12/14/2022					<2	2.4			
12/15/2022							<2	4.5	3.6
6/19/2023	<2								
6/20/2023		<2	<2	<2					
6/21/2023					<2				
6/22/2023						<2	<2	3.4	<2
6/23/2023									
12/11/2023	<2						<2		
12/12/2023		<2		<2					
12/13/2023					<2			4.3	2.5
12/14/2023			<2			<2			
6/25/2024	<2		<2					3.9	2.9
6/26/2024		<2		<2	<2		<2		
6/27/2024						2.5			

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethane (ug/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-1	PH1-GWA-4 (bg)	PH1-GWC-4	PH1-GWC-1
12/17/2018				
12/18/2018	<2	<2		
12/19/2018			<2	<2
6/10/2019	<2			
6/11/2019		<2		
6/12/2019				
6/13/2019			<2	<2
12/9/2019	<2	<2		
12/10/2019				
12/11/2019				<2
12/12/2019				
6/22/2020	<2		<2	<2
6/24/2020		<2		
6/25/2020				
6/26/2020				
12/15/2020	<2	<2		
12/16/2020				
12/17/2020			<2	<2
12/18/2020				
6/14/2021				
6/15/2021	<2			
6/16/2021		<2	<2	<2
6/17/2021				
12/13/2021	<2			
12/14/2021		<2		
12/15/2021			<2	<2
6/6/2022			<2	
6/7/2022		<2		
6/8/2022	<2			
6/9/2022				<2
12/12/2022				
12/14/2022	<2			<2
12/15/2022		<2		
6/19/2023			<2	<2
6/20/2023	<2			
6/21/2023				
6/22/2023				
6/23/2023		<2		
12/11/2023				
12/12/2023		<2		
12/13/2023	<2			<2
12/14/2023				
6/25/2024			<2	
6/26/2024	<2	<2		<2
6/27/2024				

Non-Parametric ANOVA

Constituent: Barium Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 127.4

Tabulated Chi-Squared value = 21.026 with 12 degrees of freedom at the 5% significance level.

There were 12 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 125.2

Adjusted Kruskal-Wallis statistic (H') = 127.4

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 10 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
PH1-GWC-4	67.06	40.29	Yes
PH1-GWC-2	47.88	36.44	Yes
PH1-GWB-2	4	36.44	No
PH1-GWA-1	37.38	36.44	Yes
PH1-GWA-1A	43.92	36.44	Yes
PH1-GWC-3	54.58	36.44	Yes
PH1-GWC-3A	57.92	36.44	Yes
PH1-GWC-1	86.04	36.44	Yes
PH1-GWB-1	102.1	36.44	Yes
PH1-GWA-2	111.1	36.44	Yes
GWC-1	125.2	36.44	Yes

The critical (contrast) value was computed with 11 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric anova because the Chi Squared normality test showed the residuals to be non-normal at the 0.01 alpha level.

Non-Parametric ANOVA

Constituent: Barium (mg/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA

Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	GWC-1	PH1-GWB-1	PH1-GWB-2	PH1-GWC-2	PH1-GWA-2	PH1-GWA-1A	PH1-GWC-3	PH1-GWC-3A
12/17/2018	<0.02								
12/18/2018		0.15	0.053	0.022	0.026				
12/19/2018						0.081	0.027	0.027	0.024
12/20/2018									
6/10/2019					0.039				
6/11/2019							0.024	0.03	0.03
6/12/2019			0.082			0.084			
6/13/2019	<0.02	0.093		<0.02					
12/10/2019					<0.02	0.0842	0.0234	0.0247	0.0249
12/11/2019		0.0852	0.067						
12/12/2019	<0.02								
12/13/2019				<0.02					
6/22/2020					0.0336		0.0217		
6/23/2020		0.0953						0.0236	0.0239
6/25/2020	<0.02		0.0793	<0.02		0.0646			
12/16/2020						0.0655		0.0256	0.0259
12/17/2020		0.0811			<0.02				
12/18/2020	<0.02		0.0505	<0.02			0.0274		
6/15/2021	<0.02		0.0631					0.0243	0.0305
6/16/2021		0.0861					0.0248		
6/17/2021				<0.02	0.0206	0.0717			
12/14/2021			0.0568	<0.02			0.0226		
12/15/2021	<0.02					0.0716		0.0288	0.0285
12/16/2021		0.084							
12/17/2021					<0.02				
6/6/2022	<0.02								
6/7/2022									
6/8/2022		0.0791	0.0537		0.0209	0.059	0.0259	0.0255	0.0301
6/9/2022									
6/10/2022				<0.02					
12/12/2022	<0.02								
12/13/2022		0.0931	0.0401	<0.02					
12/14/2022					0.0247				
12/15/2022						0.0689	0.0351	0.0292	0.0282
6/20/2023	<0.02	0.0951							
6/21/2023			0.0451	0.0202					
6/22/2023					0.0485	0.0485	0.0254	0.0276	0.0269
6/23/2023									
12/12/2023		0.112					0.0256		
12/13/2023			0.046	<0.02					
12/14/2023	<0.02				0.0482	0.0768		0.0368	0.0319
6/25/2024	<0.02								
6/26/2024		0.0942					0.0201	0.0256	0.0321
6/27/2024			0.0353	<0.02	0.0312	0.0472			

Non-Parametric ANOVA

Constituent: Barium (mg/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-1	PH1-GWA-4 (bg)	PH1-GWC-4	PH1-GWC-1
12/17/2018				
12/18/2018				
12/19/2018	0.024	<0.02		
12/20/2018			0.31	0.047
6/10/2019				
6/11/2019	0.024			
6/12/2019		<0.02		
6/13/2019			0.032	0.05
12/10/2019	0.0203	<0.02		
12/11/2019				
12/12/2019				0.0437
12/13/2019				
6/22/2020				
6/23/2020	0.0277		0.0252	0.0428
6/25/2020		<0.02		
12/16/2020	<0.02	<0.02		
12/17/2020				
12/18/2020			0.0564	0.0321
6/15/2021				
6/16/2021	0.0287			
6/17/2021		<0.02	0.033	0.0421
12/14/2021	0.0228			
12/15/2021		<0.02		
12/16/2021			0.0413	0.0306
12/17/2021				
6/6/2022				
6/7/2022			0.0266	
6/8/2022		<0.02		
6/9/2022	0.0253			
6/10/2022				0.042
12/12/2022				
12/13/2022				
12/14/2022				
12/15/2022	<0.02	<0.02		0.0343
6/20/2023			0.0226	0.0399
6/21/2023	0.0246			
6/22/2023				
6/23/2023		<0.02		
12/12/2023				
12/13/2023		<0.02		
12/14/2023	0.0243			0.0327
6/25/2024				
6/26/2024			<0.02	
6/27/2024	0.0341	<0.02		0.0358

Non-Parametric ANOVA

Constituent: Chromium Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 46.23

Tabulated Chi-Squared value = 21.026 with 12 degrees of freedom at the 5% significance level.

There were 2 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 11.57

Adjusted Kruskal-Wallis statistic (H') = 46.23

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 1 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-1	0	36.44	No
PH1-GWB-2	0	36.44	No
PH1-GWC-1	0	36.44	No
PH1-GWB-1	0	36.44	No
PH1-GWC-4	9.111	40.29	No
PH1-GWC-2	44.67	36.44	Yes
PH1-GWC-3A	6.5	36.44	No
PH1-GWC-3	6.5	36.44	No
PH1-GWA-1A	18.25	36.44	No
PH1-GWA-1	0	36.44	No
PH1-GWA-2	6.5	36.44	No

The critical (contrast) value was computed with 11 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Chromium (mg/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	GWC-1	PH1-GWB-1	PH1-GWB-2	PH1-GWC-2	PH1-GWA-2	PH1-GWA-1A	PH1-GWC-3	PH1-GWC-3A
12/17/2018	<0.01								
12/18/2018		<0.01	<0.01	<0.01	<0.01				
12/19/2018						<0.01	<0.01	<0.01	<0.01
12/20/2018									
6/10/2019					0.069				
6/11/2019							0.011	<0.01	<0.01
6/12/2019			<0.01			<0.01			
6/13/2019	<0.01	<0.01		<0.01					
12/10/2019					<0.01	<0.01	<0.01	<0.01	<0.01
12/11/2019		<0.01	<0.01						
12/12/2019	<0.01								
12/13/2019				<0.01					
6/22/2020					0.0272		<0.01		
6/23/2020		<0.01						<0.01	<0.01
6/25/2020	<0.01		<0.01	<0.01		<0.01			
12/16/2020						<0.01		<0.01	<0.01
12/17/2020		<0.01			<0.01				
12/18/2020	<0.01		<0.01	<0.01			<0.01		
6/15/2021	<0.01		<0.01					<0.01	<0.01
6/16/2021		<0.01					<0.01		
6/17/2021				<0.01	<0.01	<0.01			
12/14/2021			<0.01	<0.01			<0.01		
12/15/2021	<0.01					<0.01		<0.01	<0.01
12/16/2021		<0.01							
12/17/2021					<0.01				
6/6/2022	<0.01								
6/7/2022									
6/8/2022		<0.01	<0.01		0.0157	<0.02	0.0199	<0.02	<0.02
6/9/2022									
6/10/2022				<0.01					
12/12/2022	<0.01								
12/13/2022		<0.01	<0.01	<0.01					
12/14/2022					0.0115				
12/15/2022						<0.01	0.0172	<0.01	<0.01
6/20/2023	<0.01	<0.01							
6/21/2023			<0.01	<0.01					
6/22/2023					0.037	<0.01	<0.01	<0.01	<0.01
6/23/2023									
12/12/2023		<0.01					<0.01		
12/13/2023			<0.01	<0.01					
12/14/2023	<0.01				0.0174	<0.01		<0.01	<0.01
6/25/2024	<0.01								
6/26/2024		<0.01					<0.01	<0.01	<0.01
6/27/2024			<0.01	<0.01	0.0177	<0.01			

Non-Parametric ANOVA

Constituent: Chromium (mg/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-1	PH1-GWA-4 (bg)	PH1-GWC-4	PH1-GWC-1
12/17/2018				
12/18/2018				
12/19/2018	<0.01	<0.01		
12/20/2018			0.049	<0.01
6/10/2019				
6/11/2019	<0.01			
6/12/2019		<0.01		
6/13/2019			<0.01	<0.01
12/10/2019	<0.01	<0.01		
12/11/2019				
12/12/2019				<0.01
12/13/2019				
6/22/2020				
6/23/2020	<0.01		<0.01	<0.01
6/25/2020		<0.01		
12/16/2020	<0.01	<0.01		
12/17/2020				
12/18/2020			<0.01	<0.01
6/15/2021				
6/16/2021	<0.01			
6/17/2021		<0.01	<0.01	<0.01
12/14/2021	<0.01			
12/15/2021		<0.01		
12/16/2021			<0.01	<0.01
12/17/2021				
6/6/2022				
6/7/2022			<0.01	
6/8/2022		<0.01		
6/9/2022	<0.01			
6/10/2022				<0.01
12/12/2022				
12/13/2022				
12/14/2022				
12/15/2022	<0.01	<0.01		<0.01
6/20/2023			<0.01	<0.01
6/21/2023	<0.01			
6/22/2023				
6/23/2023		<0.01		
12/12/2023				
12/13/2023		<0.01		
12/14/2023	<0.01			<0.01
6/25/2024				
6/26/2024			<0.01	
6/27/2024	<0.01	<0.01		<0.01

Non-Parametric ANOVA

Constituent: cis-1,2-Dichloroethene Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 141

Tabulated Chi-Squared value = 21.026 with 12 degrees of freedom at the 5% significance level.

There were 10 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 107.2

Adjusted Kruskal-Wallis statistic (H') = 141

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 5 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-1	0	36.44	No
PH1-GWB-2	4.25	36.44	No
PH1-GWB-1	0	36.44	No
PH1-GWC-4	0	40.29	No
PH1-GWC-3	81.54	36.44	Yes
PH1-GWC-1	0	36.44	No
PH1-GWA-1A	0	36.44	No
PH1-GWA-1	45.25	36.44	Yes
PH1-GWC-2	63.67	36.44	Yes
PH1-GWC-3A	78.04	36.44	Yes
PH1-GWA-2	97	36.44	Yes

The critical (contrast) value was computed with 11 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric anova because the Chi Squared normality test showed the residuals to be non-normal at the 0.01 alpha level.

Non-Parametric ANOVA

Constituent: cis-1,2-Dichloroethene (ug/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA

Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	GWC-1	PH1-GWB-1	PH1-GWA-3A (bg)	PH1-GWB-2	PH1-GWA-2	PH1-GWC-2	PH1-GWA-1A	PH1-GWC-3	PH1-GWC-3A
12/17/2018	<2	<2	<2	2.6					
12/18/2018					55	3.3	<2	15	9.2
12/19/2018									
6/10/2019						5.1	<2	19	11
6/11/2019		<2			26				
6/12/2019				<2					
6/13/2019	<2		<2						
12/9/2019					120			27	16
12/10/2019	<2	<2				5.7	<2		
12/11/2019									
12/12/2019			<2	<2					
6/22/2020	<2					6	<2	20	
6/24/2020		<2		<2	42				
6/25/2020			<2						
6/26/2020									14
12/15/2020					52			26	16
12/16/2020	<2								
12/17/2020		<2		<2		7.8			
12/18/2020			<2				<2		
6/14/2021		<2						28	19
6/15/2021	<2		<2				<2		
6/16/2021				<2	34				
6/17/2021						7			
12/13/2021		<2		<2			<2		
12/14/2021					35	6.7		25	14
12/15/2021	<2		<2						
6/6/2022			<2						
6/7/2022	<2	<2			26			26	19
6/8/2022						5.6	<2		
6/9/2022				<2					
12/12/2022	<2	<2	<2	<2					
12/14/2022					35	7.7			
12/15/2022							<2	36	23
6/19/2023	<2								
6/20/2023		<2	<2	<2					
6/21/2023					16				
6/22/2023						7	<2	28	13
6/23/2023									
12/11/2023	<2						<2		
12/12/2023		<2		<2					
12/13/2023					39			<2	15
12/14/2023			<2			8.2			
6/25/2024	<2		<2					19	22
6/26/2024		<2		<2	28		<2		
6/27/2024						9.6			

Non-Parametric ANOVA

Constituent: cis-1,2-Dichloroethene (ug/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-1	PH1-GWA-4 (bg)	PH1-GWC-4	PH1-GWC-1
12/17/2018				
12/18/2018	2.4	<2		
12/19/2018			<2	<2
6/10/2019	5.2			
6/11/2019		<2		
6/12/2019				
6/13/2019			<2	<2
12/9/2019	3.7	<2		
12/10/2019				
12/11/2019				<2
12/12/2019				
6/22/2020	4		<2	<2
6/24/2020		<2		
6/25/2020				
6/26/2020				
12/15/2020	4.3	<2		
12/16/2020				
12/17/2020			<2	<2
12/18/2020				
6/14/2021				
6/15/2021	5.8			
6/16/2021		<2	<2	<2
6/17/2021				
12/13/2021	4.1			
12/14/2021		<2		
12/15/2021			<2	<2
6/6/2022			<2	
6/7/2022		<2		
6/8/2022	2.3			
6/9/2022				<2
12/12/2022				
12/14/2022	2.5			<2
12/15/2022		<2		
6/19/2023			<2	<2
6/20/2023	3.7			
6/21/2023				
6/22/2023				
6/23/2023		<2		
12/11/2023				
12/12/2023		<2		
12/13/2023	<2			<2
12/14/2023				
6/25/2024			<2	
6/26/2024	<2	<2		<2
6/27/2024				

Non-Parametric ANOVA

Constituent: Cobalt Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 125.6

Tabulated Chi-Squared value = 21.026 with 12 degrees of freedom at the 5% significance level.

There were 2 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 33.43

Adjusted Kruskal-Wallis statistic (H') = 125.6

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 1 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-1	0	36.44	No
PH1-GWC-1	0	36.44	No
PH1-GWC-2	0	36.44	No
PH1-GWB-2	0	36.44	No
PH1-GWB-1	0	36.44	No
PH1-GWC-4	0	40.29	No
PH1-GWC-3A	5.875	36.44	No
PH1-GWC-3	5.875	36.44	No
PH1-GWA-2	5.875	36.44	No
PH1-GWA-1A	0	36.44	No
PH1-GWA-1	78	36.44	Yes

The critical (contrast) value was computed with 11 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Cobalt (mg/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	GWC-1	PH1-GWB-1	PH1-GWB-2	PH1-GWC-2	PH1-GWA-2	PH1-GWA-1A	PH1-GWC-3	PH1-GWC-3A
12/17/2018	<0.04								
12/18/2018		<0.04	<0.04	<0.04	<0.04				
12/19/2018						<0.04	<0.04	<0.04	<0.04
12/20/2018									
6/10/2019					<0.04				
6/11/2019							<0.04	<0.04	<0.04
6/12/2019			<0.04			<0.04			
6/13/2019	<0.04	<0.04		<0.04					
12/10/2019					<0.04	<0.04	<0.04	<0.04	<0.04
12/11/2019		<0.04	<0.04						
12/12/2019	<0.04								
12/13/2019				<0.04					
6/22/2020					<0.04		<0.04		
6/23/2020		<0.04						<0.04	<0.04
6/25/2020	<0.04		<0.04	<0.04		<0.04			
12/16/2020						<0.04		<0.04	<0.04
12/17/2020		<0.04			<0.04				
12/18/2020	<0.04		<0.04	<0.04			<0.04		
6/15/2021	<0.04		<0.04					<0.04	<0.04
6/16/2021		<0.04					<0.04		
6/17/2021				<0.04	<0.04	<0.04			
12/14/2021			<0.04	<0.04			<0.04		
12/15/2021	<0.04					<0.04		<0.04	<0.04
12/16/2021		<0.04							
12/17/2021					<0.04				
6/6/2022	<0.04								
6/7/2022									
6/8/2022		<0.04	<0.04		<0.04	<0.05	<0.04	<0.05	<0.05
6/9/2022									
6/10/2022				<0.04					
12/12/2022	<0.04								
12/13/2022		<0.04	<0.04	<0.04					
12/14/2022					<0.04				
12/15/2022						<0.04	<0.04	<0.04	<0.04
6/20/2023	<0.04	<0.04							
6/21/2023			<0.04	<0.04					
6/22/2023					<0.04	<0.04	<0.04	<0.04	<0.04
6/23/2023									
12/12/2023		<0.04					<0.04		
12/13/2023			<0.04	<0.04					
12/14/2023	<0.04				<0.04	<0.04		<0.04	<0.04
6/25/2024	<0.04								
6/26/2024		<0.04					<0.04	<0.04	<0.04
6/27/2024			<0.04	<0.04	<0.04	<0.04			

Non-Parametric ANOVA

Constituent: Cobalt (mg/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-1	PH1-GWA-4 (bg)	PH1-GWC-4	PH1-GWC-1
12/17/2018				
12/18/2018				
12/19/2018	0.082	<0.04		
12/20/2018			<0.04	<0.04
6/10/2019				
6/11/2019	0.091			
6/12/2019		<0.04		
6/13/2019			<0.04	<0.04
12/10/2019	0.0901	<0.04		
12/11/2019				
12/12/2019				<0.04
12/13/2019				
6/22/2020				
6/23/2020	0.0766		<0.04	<0.04
6/25/2020		<0.04		
12/16/2020	0.0956	<0.04		
12/17/2020				
12/18/2020			<0.04	<0.04
6/15/2021				
6/16/2021	0.0835			
6/17/2021		<0.04	<0.04	<0.04
12/14/2021	0.111			
12/15/2021		<0.04		
12/16/2021			<0.04	<0.04
12/17/2021				
6/6/2022				
6/7/2022			<0.04	
6/8/2022		<0.04		
6/9/2022	0.0747			
6/10/2022				<0.04
12/12/2022				
12/13/2022				
12/14/2022				
12/15/2022	0.0947	<0.04		<0.04
6/20/2023			<0.04	<0.04
6/21/2023	0.0672			
6/22/2023				
6/23/2023		<0.04		
12/12/2023				
12/13/2023		<0.04		
12/14/2023	0.0966			<0.04
6/25/2024				
6/26/2024			<0.04	
6/27/2024	0.0771	<0.04		<0.04

Non-Parametric ANOVA

Constituent: Tetrachloroethene Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 138.5

Tabulated Chi-Squared value = 21.026 with 12 degrees of freedom at the 5% significance level.

There were 6 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 74.94

Adjusted Kruskal-Wallis statistic (H') = 138.5

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 3 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-1	0	36.44	No
PH1-GWB-2	0	36.44	No
PH1-GWB-1	0	36.44	No
PH1-GWC-4	0	40.29	No
PH1-GWC-3A	64.83	36.44	Yes
PH1-GWC-1	0	36.44	No
PH1-GWA-1A	0	36.44	No
PH1-GWA-1	0	36.44	No
PH1-GWA-2	4.958	36.44	No
PH1-GWC-2	67.08	36.44	Yes
PH1-GWC-3	86.25	36.44	Yes

The critical (contrast) value was computed with 11 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Tetrachloroethene (ug/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA

Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	GWC-1	PH1-GWB-1	PH1-GWA-3A (bg)	PH1-GWB-2	PH1-GWA-2	PH1-GWC-2	PH1-GWA-1A	PH1-GWC-3	PH1-GWC-3A
12/17/2018	<2	<2	<2	<2					
12/18/2018					<2	5.1	<2	10	8.7
12/19/2018									
6/10/2019						4.2	<2	11	8.8
6/11/2019		<2			<2				
6/12/2019				<2					
6/13/2019	<2		<2						
12/9/2019					2.4			13	7.4
12/10/2019	<2	<2				6.3	<2		
12/11/2019									
12/12/2019			<2	<2					
6/22/2020	<2					4.6	<2	9	
6/24/2020		<2		<2	<2				
6/25/2020			<2						
6/26/2020									<2
12/15/2020					<2			9.1	5.7
12/16/2020	<2								
12/17/2020		<2		<2		5.3			
12/18/2020			<2				<2		
6/14/2021		<2						9.3	8.1
6/15/2021	<2		<2				<2		
6/16/2021				<2	<2				
6/17/2021						3.7			
12/13/2021		<2		<2			<2		
12/14/2021					<2	2.9		8.8	7.2
12/15/2021	<2		<2						
6/6/2022			<2						
6/7/2022	<2	<2			<2			8.3	8.6
6/8/2022						3.4	<2		
6/9/2022				<2					
12/12/2022	<2	<2	<2	<2					
12/14/2022					<2	4.4			
12/15/2022							<2	9.5	6.5
6/19/2023	<2								
6/20/2023		<2	<2	<2					
6/21/2023					<2				
6/22/2023						2.9	<2	8.3	2
6/23/2023									
12/11/2023	<2						<2		
12/12/2023		<2		<2					
12/13/2023					<2			6.3	2.5
12/14/2023			<2			3.2			
6/25/2024	<2		<2					7.3	7.8
6/26/2024		<2		<2	<2		<2		
6/27/2024						2.5			

Non-Parametric ANOVA

Constituent: Tetrachloroethene (ug/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-1	PH1-GWA-4 (bg)	PH1-GWC-4	PH1-GWC-1
12/17/2018				
12/18/2018	<2	<2		
12/19/2018			<2	<2
6/10/2019	<2			
6/11/2019		<2		
6/12/2019				
6/13/2019			<2	<2
12/9/2019	<2	<2		
12/10/2019				
12/11/2019				<2
12/12/2019				
6/22/2020	<2		<2	<2
6/24/2020		<2		
6/25/2020				
6/26/2020				
12/15/2020	<2	<2		
12/16/2020				
12/17/2020			<2	<2
12/18/2020				
6/14/2021				
6/15/2021	<2			
6/16/2021		<2	<2	<2
6/17/2021				
12/13/2021	<2			
12/14/2021		<2		
12/15/2021			<2	<2
6/6/2022			<2	
6/7/2022		<2		
6/8/2022	<2			
6/9/2022				<2
12/12/2022				
12/14/2022	<2			<2
12/15/2022		<2		
6/19/2023			<2	<2
6/20/2023	<2			
6/21/2023				
6/22/2023				
6/23/2023		<2		
12/11/2023				
12/12/2023		<2		
12/13/2023	<2			<2
12/14/2023				
6/25/2024			<2	
6/26/2024	<2	<2		<2
6/27/2024				

Non-Parametric ANOVA

Constituent: Trichloroethene Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 122.7

Tabulated Chi-Squared value = 21.026 with 12 degrees of freedom at the 5% significance level.

There were 12 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 74.55

Adjusted Kruskal-Wallis statistic (H') = 122.7

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 4 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-1	0	36.44	No
PH1-GWB-2	0	36.44	No
PH1-GWB-1	0	36.44	No
PH1-GWC-4	0	40.29	No
PH1-GWC-3	80.54	36.44	Yes
PH1-GWC-2	48.67	36.44	Yes
PH1-GWC-1	0	36.44	No
PH1-GWA-1A	0	36.44	No
PH1-GWA-1	6	36.44	No
PH1-GWA-2	44.29	36.44	Yes
PH1-GWC-3A	81.88	36.44	Yes

The critical (contrast) value was computed with 11 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric anova because the Chi Squared normality test showed the residuals to be non-normal at the 0.01 alpha level.

Non-Parametric ANOVA

Constituent: Trichloroethene (ug/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	GWC-1	PH1-GWB-1	PH1-GWA-3A (bg)	PH1-GWB-2	PH1-GWA-2	PH1-GWC-2	PH1-GWA-1A	PH1-GWC-3	PH1-GWC-3A
12/17/2018	<2	<2	<2	<2					
12/18/2018					4	2	<2	6.8	5.8
12/19/2018									
6/10/2019						2	<2	7.4	5.7
6/11/2019		<2			2.1				
6/12/2019				<2					
6/13/2019	<2		<2						
12/9/2019					7.3			8.7	8.4
12/10/2019	<2	<2				2.6	<2		
12/11/2019									
12/12/2019			<2	<2					
6/22/2020	<2					2.1	<2	7.1	
6/24/2020		<2		<2	2.4				
6/25/2020			<2						
6/26/2020									2.8
12/15/2020					2.5			7.6	8.1
12/16/2020	<2								
12/17/2020		<2		<2		2.5			
12/18/2020			<2				<2		
6/14/2021		<2						7.5	6.1
6/15/2021	<2		<2				<2		
6/16/2021				<2	2.4				
6/17/2021						2.7			
12/13/2021		<2		<2			<2		
12/14/2021					2	3		7.1	5.7
12/15/2021	<2		<2						
6/6/2022			<2						
6/7/2022	<2	<2			<2			7.2	6.8
6/8/2022						2.1	<2		
6/9/2022				<2					
12/12/2022	<2	<2	<2	<2					
12/14/2022					2.2	2.7			
12/15/2022							<2	9.5	8
6/19/2023	<2								
6/20/2023		<2	<2	<2					
6/21/2023					<2				
6/22/2023						<2	<2	8	5.5
6/23/2023									
12/11/2023	<2						<2		
12/12/2023		<2		<2					
12/13/2023					2.8			<2	7.4
12/14/2023			<2			2.5			
6/25/2024	<2		<2					6.3	6.8
6/26/2024		<2		<2	<2		<2		
6/27/2024						3.1			

Non-Parametric ANOVA

Constituent: Trichloroethene (ug/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-1	PH1-GWA-4 (bg)	PH1-GWC-4	PH1-GWC-1
12/17/2018				
12/18/2018	<2	<2		
12/19/2018			<2	<2
6/10/2019	<2			
6/11/2019		<2		
6/12/2019				
6/13/2019			<2	<2
12/9/2019	3.1	<2		
12/10/2019				
12/11/2019				<2
12/12/2019				
6/22/2020	<2		<2	<2
6/24/2020		<2		
6/25/2020				
6/26/2020				
12/15/2020	<2	<2		
12/16/2020				
12/17/2020			<2	<2
12/18/2020				
6/14/2021				
6/15/2021	<2			
6/16/2021		<2	<2	<2
6/17/2021				
12/13/2021	<2			
12/14/2021		<2		
12/15/2021			<2	<2
6/6/2022			<2	
6/7/2022		<2		
6/8/2022	<2			
6/9/2022				<2
12/12/2022				
12/14/2022	<2			<2
12/15/2022		<2		
6/19/2023			<2	<2
6/20/2023	<2			
6/21/2023				
6/22/2023				
6/23/2023		<2		
12/11/2023				
12/12/2023		<2		
12/13/2023	<2			<2
12/14/2023				
6/25/2024			<2	
6/26/2024	<2	<2		<2
6/27/2024				

Non-Parametric ANOVA

Constituent: Zinc Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 54.35

Tabulated Chi-Squared value = 21.026 with 12 degrees of freedom at the 5% significance level.

There were 4 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 33.6

Adjusted Kruskal-Wallis statistic (H') = 54.35

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 2 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-1	9.75	36.44	No
PH1-GWC-1	2.75	36.44	No
PH1-GWB-1	13.96	36.44	No
PH1-GWC-4	21.97	40.29	No
PH1-GWC-2	32.79	36.44	No
PH1-GWC-3A	29	36.44	No
PH1-GWC-3	-3.917	36.44	No
PH1-GWA-2	2.208	36.44	No
PH1-GWA-1A	3.292	36.44	No
PH1-GWA-1	42.25	36.44	Yes
PH1-GWB-2	69.25	36.44	Yes

The critical (contrast) value was computed with 11 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric anova because the Chi Squared normality test showed the residuals to be non-normal at the 0.01 alpha level.

Non-Parametric ANOVA

Constituent: Zinc (mg/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA

Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	GWC-1	PH1-GWB-1	PH1-GWB-2	PH1-GWC-2	PH1-GWA-2	PH1-GWA-1A	PH1-GWC-3	PH1-GWC-3A
12/17/2018	<0.02								
12/18/2018		<0.02	<0.02	0.028	<0.02				
12/19/2018						0.029	<0.02	<0.02	<0.02
12/20/2018									
6/10/2019					0.026				
6/11/2019							<0.02	<0.02	<0.02
6/12/2019			0.022			<0.02			
6/13/2019	<0.02	<0.02		0.033					
12/10/2019					<0.02	<0.02	<0.02	<0.02	<0.02
12/11/2019		0.0271	0.0382						
12/12/2019	<0.02								
12/13/2019				0.0383					
6/22/2020					<0.02		<0.02		
6/23/2020		0.0554						<0.02	0.0369
6/25/2020	<0.02		0.0268	0.0254		<0.02			
12/16/2020						<0.02		<0.02	<0.02
12/17/2020		<0.02			<0.02				
12/18/2020	<0.02		<0.02	0.0216			<0.02		
6/15/2021	<0.02		<0.02					<0.02	0.0236
6/16/2021		<0.02					<0.02		
6/17/2021				0.0263	<0.02	<0.02			
12/14/2021			<0.02	0.0238			<0.02		
12/15/2021	<0.02					<0.02		<0.02	0.0436
12/16/2021		<0.02							
12/17/2021					<0.02				
6/6/2022	<0.02								
6/7/2022									
6/8/2022		<0.02	<0.02		0.0459	<0.02	0.0382	<0.02	0.0388
6/9/2022									
6/10/2022				0.0294					
12/12/2022	<0.02								
12/13/2022		<0.02	<0.02	0.0629					
12/14/2022					0.0216				
12/15/2022						<0.02	<0.02	<0.02	<0.02
6/20/2023	<0.02	<0.02							
6/21/2023			<0.02	0.029					
6/22/2023					0.0373	<0.02	<0.02	<0.02	<0.02
6/23/2023									
12/12/2023		<0.02					<0.02		
12/13/2023			<0.02	0.0274					
12/14/2023	<0.02				0.0347	<0.02		<0.02	<0.02
6/25/2024	<0.02								
6/26/2024		<0.02					<0.02	<0.02	0.0269
6/27/2024			<0.02	0.0284	0.0202	<0.02			

Non-Parametric ANOVA

Constituent: Zinc (mg/L) Analysis Run 8/4/2024 4:57 PM View: Interwell ANOVA
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-1	PH1-GWA-4 (bg)	PH1-GWC-4	PH1-GWC-1
12/17/2018				
12/18/2018				
12/19/2018	0.04	<0.02		
12/20/2018			0.12	<0.02
6/10/2019				
6/11/2019	0.034			
6/12/2019		<0.02		
6/13/2019			0.02	<0.02
12/10/2019	0.0324	0.0489		
12/11/2019				
12/12/2019				<0.02
12/13/2019				
6/22/2020				
6/23/2020	<0.02		<0.02	0.0325
6/25/2020		<0.02		
12/16/2020	<0.02	<0.02		
12/17/2020				
12/18/2020			<0.02	<0.02
6/15/2021				
6/16/2021	<0.02			
6/17/2021		<0.02	<0.02	<0.02
12/14/2021	0.031			
12/15/2021		<0.02		
12/16/2021			0.0217	<0.02
12/17/2021				
6/6/2022				
6/7/2022			0.0307	
6/8/2022		<0.02		
6/9/2022	<0.02			
6/10/2022				<0.02
12/12/2022				
12/13/2022				
12/14/2022				
12/15/2022	<0.02	<0.02		<0.02
6/20/2023			<0.02	<0.02
6/21/2023	0.0316			
6/22/2023				
6/23/2023		<0.02		
12/12/2023				
12/13/2023		<0.02		
12/14/2023	0.0213			<0.02
6/25/2024				
6/26/2024			<0.02	
6/27/2024	0.0399	<0.02		<0.02

Interwell ANOVA - Significant Only

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:38 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>Crit.</u>	<u>Sig.</u>	<u>Alpha</u>	<u>Transform</u>	<u>ANOVA Sig.</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	GWC-15[St...	184.2	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-8A	148.8	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-8R	196.8	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-14A	203.1	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-14R	209.1	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Barium (ug/L)	GWC-15[St...	122.4	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-7	93.82	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-8A	114.9	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-9	148.4	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-19R	162.3	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-18	180.1	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-14A	180	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Benzene (ug/L)	GWC-15[St...	139.6	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-8A	97.13	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-14A	198.2	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-14A	151.1	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-14A	201.5	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
cis-1,2-Dichloroethene (ug/L)	GWC-17	111.2	98.04	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-15[St...	200.3	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-19R	173.1	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-18	195.4	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-14R	205	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-8R	216.6	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-8A	219.6	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-14A	240.9	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
Cobalt (ug/L)	GWC-14	141.9	96.72	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-14A	192	87.38	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-18	93.25	87.38	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-15[St...	173.3	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-18	196.7	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-15[St...	175.8	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-14R	199.5	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-14A	201.5	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-9	107	87.38	Yes	0.01	n/a	Yes	0.05	NP (NDs)

Interwell ANOVA

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:38 PM

Constituent	Well	Calc.	Crit.	Sig.	Alpha	Transform	ANOVA Sig.	Alpha	Method
1,1-Dichloroethane (ug/L)	GWC-13	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-12A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-12	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-15[St...	184.2	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-14	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-16A[S...	15.21	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-10A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-24	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-10	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-9	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-11	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-23	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-22	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-23A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-18	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-17	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-19R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-3	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-2	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-3A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-4A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-4	0	105.3	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWA-3	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWA-1A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-6	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-8	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-5	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-7	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-8A	148.8	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-8R	196.8	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-14A	203.1	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethane (ug/L)	GWC-14R	209.1	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-14A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-14	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-13	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-15[St...	33.58	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-14R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-12A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-11	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-10A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-12	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-23	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-22	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-19R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-23A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-24	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-17	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-16A[S...	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-18	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-10	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)

Interwell ANOVA

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:38 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>Crit.</u>	<u>Sig.</u>	<u>Alpha</u>	<u>Transform</u>	<u>ANOVA Sig.</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethene (ug/L)	GWC-3	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-2	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-3A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-4A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-4	0	105.3	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWA-3	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWA-1A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-8R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-8A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-8	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-9	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-6	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-5	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
1,1-Dichloroethene (ug/L)	GWC-7	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Barium (ug/L)	GWC-10	-88.56	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-24	-71.27	96.72	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-11	-18.6	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-12	-79.06	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-12A	-107.6	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-6	-107.6	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-5	-107.6	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-23	-107.6	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-23A	-100.8	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-13	-86.68	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-14	48.34	96.72	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-16A[S...	-14.24	90.02	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-4A	32.48	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWA-3	-99.68	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-2	-96.48	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-3	-107.6	93.1	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-4	-23.21	96.72	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-22	-7.433	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-15[St...	122.4	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-8	66.54	90.02	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-17	91.2	93.1	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-10A	63.98	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWA-1A	65.9	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-7	93.82	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-3A	87.32	87.38	No	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-8A	114.9	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-9	148.4	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-19R	162.3	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-18	180.1	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Barium (ug/L)	GWC-14A	180	87.38	Yes	0.01	n/a	Yes	0.05	NP (normality)
Benzene (ug/L)	GWC-13	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-12A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-14	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-14R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-12	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-10A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)

Interwell ANOVA

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:38 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>Crit.</u>	<u>Sig.</u>	<u>Alpha</u>	<u>Transform</u>	<u>ANOVA Sig.</u>	<u>Alpha</u>	<u>Method</u>
Benzene (ug/L)	GWC-10	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-24	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-11	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-15[St...	139.6	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-23	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-22	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-23A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-19R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-17	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-16A[S...	17.75	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-18	17.5	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-9	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-3A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-3	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-2	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-4A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-4	0	105.3	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWA-3	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWA-1A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-8A	97.13	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-8	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-7	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-8R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-5	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-6	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Benzene (ug/L)	GWC-14A	198.2	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-14	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-13	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-12A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-15[St...	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-14R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-14A	151.1	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-11	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-10A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-24	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-10	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-12	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-23	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-22	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-23A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-19R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-17	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-16A[S...	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-18	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-3A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-3	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-2	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-4A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-4	0	105.3	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWA-1A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)

Interwell ANOVA

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:38 PM

Constituent	Well	Calc.	Crit.	Sig.	Alpha	Transform	ANOVA Sig.	Alpha	Method
Chlorobenzene (ug/L)	GWA-3	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-8R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-8A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-8	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-9	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-6	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-5	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chlorobenzene (ug/L)	GWC-7	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-14	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-13	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-12A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-15[St...	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-14R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-11	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-10A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-24	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-10	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-12	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-23	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-22	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-23A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-19R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-17	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-16A[S...	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-18	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-3A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-3	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-2	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-4A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-4	0	105.3	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWA-1A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWA-3	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-8R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-8A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-8	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-9	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-6	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-5	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-7	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Chloroethane (ug/L)	GWC-14A	201.5	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
cis-1,2-Dichloroethene (ug/L)	GWC-12	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-11	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-12A	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-13	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-10A	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-10	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-9	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-24	69.42	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-23	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-22	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)

Interwell ANOVA

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:38 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>Crit.</u>	<u>Sig.</u>	<u>Alpha</u>	<u>Transform</u>	<u>ANOVA Sig.</u>	<u>Alpha</u>	<u>Method</u>
cis-1,2-Dichloroethene (ug/L)	GWC-23A	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-14	0	98.04	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-17	111.2	98.04	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-16A[S...	91.46	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-15[St...	200.3	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-3A	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-3	0	98.04	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-4A	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-2	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-4	0	105.3	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWA-3	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-8	83.04	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWA-1A	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-7	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-6	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-5	0	95.16	No	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-19R	173.1	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-18	195.4	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-14R	205	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-8R	216.6	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-8A	219.6	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
cis-1,2-Dichloroethene (ug/L)	GWC-14A	240.9	95.16	Yes	0.01	n/a	Yes	0.05	NP (normality)
Cobalt (ug/L)	GWC-12A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-12	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-13	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-15[St...	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-14	141.9	96.72	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-10A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-10	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-24	19.61	96.72	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-9	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-11	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-23	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-22	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-23A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-19R	43.54	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-17	17.65	93.1	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-16A[S...	16.05	90.02	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-18	14.71	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-3	0	93.1	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-2	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-3A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-4	0	96.72	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWA-3	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWA-1A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-4A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-6	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-8	0	90.02	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-5	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-7	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)

Interwell ANOVA

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:38 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>Crit.</u>	<u>Sig.</u>	<u>Alpha</u>	<u>Transform</u>	<u>ANOVA Sig.</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (ug/L)	GWC-8A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Cobalt (ug/L)	GWC-14A	192	87.38	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-13	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-12A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-15[St...	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-14A	60.08	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-14	0	96.72	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-12	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-10A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-10	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-24	21	96.72	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-11	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-23	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-22	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-23A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-19R	15.75	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-17	18.9	93.1	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-16A[S...	17.18	90.02	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-18	93.25	87.38	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-3	0	93.1	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-2	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWA-3	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-4	0	96.72	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-3A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWA-1A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-8	0	90.02	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-7	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-8A	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-9	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-6	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-5	0	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Nickel (ug/L)	GWC-4A	14.92	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-13	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-12A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-14	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-14A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-12	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-10A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-10	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-24	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-11	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-14R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-23	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-22	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-23A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-19R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-16A[S...	16.21	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-15[St...	173.3	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-17	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-9	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)

Interwell ANOVA

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:38 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>Crit.</u>	<u>Sig.</u>	<u>Alpha</u>	<u>Transform</u>	<u>ANOVA Sig.</u>	<u>Alpha</u>	<u>Method</u>
Tetrachloroethene (ug/L)	GWC-3	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-2	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWA-3	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-3A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-4	0	105.3	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWA-1A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-4A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-8A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-8	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-7	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-8R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-5	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-6	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Tetrachloroethene (ug/L)	GWC-18	196.7	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-13	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-12A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-12	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-14A	65.17	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-14	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-10A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-24	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-10	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-11	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-15[St...	175.8	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-23	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-22	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-23A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-9	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-19R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-17	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-16A[S...	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-18	47.71	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-3	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-2	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWA-3	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-3A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-4	0	105.3	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWA-1A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-4A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-8A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-8	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-7	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-8R	15.63	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-6	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-5	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Trichloroethene (ug/L)	GWC-14R	199.5	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-14	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-13	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-12A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-15[St...	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)

Interwell ANOVA

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:38 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>Crit.</u>	<u>Sig.</u>	<u>Alpha</u>	<u>Transform</u>	<u>ANOVA Sig.</u>	<u>Alpha</u>	<u>Method</u>
Vinyl chloride (ug/L)	GWC-14R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-11	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-10A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-24	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-10	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-12	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-23	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-22	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-23A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-19R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-17	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-16A[S...	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-18	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-3A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-3	0	98.04	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-2	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-4A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-4	0	105.3	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWA-1A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWA-3	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-8R	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-8A	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-8	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-9	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-6	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-5	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-7	0	95.16	No	0.01	n/a	Yes	0.05	NP (NDs)
Vinyl chloride (ug/L)	GWC-14A	201.5	95.16	Yes	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-10	-26.97	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-14	-10.97	96.72	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-13	-78.93	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-12A	-105.1	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-14A	-90.64	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-15[St...	-91.22	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-11	-40.68	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-10A	-48.39	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-24	-87.03	96.72	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-12	-105.1	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-16A[S...	-87.5	90.02	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-23	-89.1	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-22	-105.1	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-23A	-89.39	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-19R	-89.22	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-17	-71.24	93.1	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-18	-73.97	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-4A	-41.81	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-3A	-29.93	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-3	-88.24	93.1	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWA-1A	-105.1	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-4	-59.36	96.72	No	0.01	n/a	Yes	0.05	NP (NDs)

Interwell ANOVA

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:38 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>Crit.</u>	<u>Sig.</u>	<u>Alpha</u>	<u>Transform</u>	<u>ANOVA Sig.</u>	<u>Alpha</u>	<u>Method</u>
Zinc (ug/L)	GWC-5	-59.31	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-2	-48.06	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWA-3	-74.64	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-6	-86.31	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-8A	-87.76	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-8	-105.1	90.02	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-7	-13.18	87.38	No	0.01	n/a	Yes	0.05	NP (NDs)
Zinc (ug/L)	GWC-9	107	87.38	Yes	0.01	n/a	Yes	0.05	NP (NDs)

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethane Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 367.9

Tabulated Chi-Squared value = 47.3 with 33 degrees of freedom at the 5% significance level.

There were 11 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 135.1

Adjusted Kruskal-Wallis statistic (H') = 367.9

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 5 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-13	0	95.16	No
GWC-12A	0	95.16	No
GWC-12	0	95.16	No
GWC-15 [Stats]	184.2	95.16	Yes
GWC-14	0	98.04	No
GWC-16A [Stats]	15.21	95.16	No
GWC-10A	0	95.16	No
GWC-24	0	95.16	No
GWC-10	0	95.16	No
GWC-9	0	95.16	No
GWC-11	0	95.16	No
GWC-23	0	95.16	No
GWC-22	0	95.16	No
GWC-23A	0	95.16	No
GWC-18	0	95.16	No
GWC-17	0	98.04	No
GWC-19R	0	95.16	No
GWC-3	0	98.04	No
GWC-2	0	95.16	No
GWC-3A	0	95.16	No
GWC-4A	0	95.16	No
GWA-3	0	105.3	No
GWA-4	0	95.16	No
GWA-1A	0	95.16	No
GWC-6	0	95.16	No
GWC-8	0	95.16	No
GWC-5	0	95.16	No
GWC-7	0	95.16	No
GWC-8A	148.8	95.16	Yes
GWC-8R	196.8	95.16	Yes
GWC-14A	203.1	95.16	Yes
GWC-14R	209.1	95.16	Yes

The critical (contrast) value was computed with 32 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethane (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-10	GWC-4A	GWC-3A	GWC-3	GWA-3	GWA-2 (bg)	GWC-10A	GWC-7
12/17/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/18/2018									<2
12/19/2018									
6/10/2019	<2	<2						<2	
6/11/2019			<2	<2	<2	<2	<2		
6/12/2019									<2
6/13/2019									
12/9/2019	<2								
12/10/2019				<2	<2	<2			
12/11/2019			<2				<2		<2
12/12/2019		<2						<2	
6/22/2020						<2	<2		
6/23/2020	<2		<2						
6/24/2020		<2		<2	<2			<2	<2
6/25/2020									
12/15/2020		<2						<2	
12/16/2020				<2	<2	<2			
12/17/2020	<2		<2				<2		<2
6/14/2021				<2		<2			
6/15/2021	<2	<2			<2		<2	<2	<2
6/16/2021									
6/17/2021			<2						
12/13/2021	<2						<2		<2
12/14/2021						<2			
12/15/2021		<2	<2	<2	<2			<2	
12/16/2021									
6/6/2022						<2			
6/7/2022		<2		<2	<2			<2	
6/8/2022	<2		<2				<2		<2
6/9/2022									
12/12/2022	<2			<2	<2		<2		<2
12/13/2022						<2			
12/14/2022		<2	<2					<2	
12/15/2022	<2								
6/19/2023				<2	<2				
6/20/2023						<2	<2		<2
6/21/2023		<2	<2					<2	
6/22/2023	<2								
12/11/2023		<2				<2		<2	<2
12/12/2023	<2			<2			<2		
12/13/2023			<2						
6/24/2024			<2			<2			<2
6/25/2024		<2		<2	<2			<2	
6/26/2024	<2						<2		
6/27/2024									

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethane (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-19R	GWC-18	GWA-1A	GWC-5	GWC-22	GWC-9	GWC-23	GWC-23A	GWC-14A
12/17/2018									
12/18/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/19/2018									16
6/10/2019			<2						
6/11/2019	<2	<2							9.2
6/12/2019				<2	<2	<2	<2	<2	
6/13/2019									
12/9/2019	<2	<2	<2						
12/10/2019				<2					14
12/11/2019					<2		<2	<2	
12/12/2019						<2			
6/22/2020									
6/23/2020	<2	<2	<2	<2	<2				
6/24/2020						<2	<2	<2	10
6/25/2020									
12/15/2020	<2	<2							11
12/16/2020							<2	<2	
12/17/2020			<2	<2	<2	<2			
6/14/2021	<2	<2			<2		<2	<2	
6/15/2021				<2		<2			9.2
6/16/2021									
6/17/2021			<2						
12/13/2021				<2	<2	<2	<2	<2	
12/14/2021	<2	<2							13
12/15/2021									
12/16/2021			<2						
6/6/2022	<2				<2		<2	<2	
6/7/2022		<2				<2			
6/8/2022			<2	<2					
6/9/2022									9.5
12/12/2022				<2	<2		<2	<2	
12/13/2022									18
12/14/2022	<2	<2	<2			<2			
12/15/2022									
6/19/2023									
6/20/2023	<2	<2		<2	<2	<2			12
6/21/2023							<2	<2	
6/22/2023			<2						
12/11/2023				<2	<2	<2	<2	<2	
12/12/2023		<2							17
12/13/2023	<2		<2						
6/24/2024				<2					
6/25/2024	<2				<2	<2	<2	<2	13
6/26/2024		<2	<2						
6/27/2024									

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethane (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-12A	GWC-2	GWC-12	GWC-15[Stats]	GWC-17	GWC-16A[Stats]	GWC-14R	GWC-8R	GWC-6
12/17/2018									
12/18/2018									
12/19/2018	<2	<2	<2	3	<2	<2	18	13	<2
6/10/2019									
6/11/2019	<2		<2	38					
6/12/2019		<2			<2		18	12	<2
6/13/2019						<2			
12/9/2019	<2		<2						
12/10/2019		<2		23	<2		14		<2
12/11/2019						<2		9.3	
12/12/2019									
6/22/2020		<2							
6/23/2020					<2	<2	18	13	
6/24/2020	<2		<2						<2
6/25/2020				39					
12/15/2020	<2		<2		<2			12	
12/16/2020		<2							
12/17/2020				33		<2	19		<2
6/14/2021					<2				
6/15/2021	<2	<2	<2						<2
6/16/2021				42		<2	16	16	
6/17/2021									
12/13/2021	<2		<2						<2
12/14/2021				39	<2		14		
12/15/2021		<2						11	
12/16/2021						<2			
6/6/2022									
6/7/2022	<2	<2	<2						
6/8/2022									<2
6/9/2022				39	<2	<2	11	8.8	
12/12/2022	<2	<2	<2						
12/13/2022							12	9	
12/14/2022					<2	<2			<2
12/15/2022				<2					
6/19/2023		<2							
6/20/2023	<2		<2		<2	2			<2
6/21/2023							11	9.8	
6/22/2023				<2					
12/11/2023		<2							
12/12/2023	<2		<2			<2	12	8.5	<2
12/13/2023				45					
6/24/2024	<2		<2						<2
6/25/2024		<2			<2	3.4			
6/26/2024				48				9	
6/27/2024							12		

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethane (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-8A	GWC-11	GWC-13	GWC-8	GWC-24	GWC-14	GWC-4
12/17/2018							
12/18/2018							
12/19/2018	4.2	<2	<2	<2	<2		
6/10/2019							
6/11/2019					<2	<2	
6/12/2019	2.6	<2	<2	<2			
6/13/2019							
12/9/2019					<2		
12/10/2019						<2	
12/11/2019	3.7		<2	<2			
12/12/2019		<2					
6/22/2020							
6/23/2020	2.4		<2	<2			<2
6/24/2020		<2			<2	<2	
6/25/2020							
12/15/2020	3.2	<2	<2		<2		
12/16/2020				<2			
12/17/2020						<2	<2
6/14/2021					<2		
6/15/2021		<2	<2			<2	
6/16/2021	2.5			<2			<2
6/17/2021							
12/13/2021		<2					
12/14/2021					<2		<2
12/15/2021	2.3		<2	<2		<2	
12/16/2021							
6/6/2022							
6/7/2022		<2			<2		
6/8/2022			<2				<2
6/9/2022	2.1			<2		<2	
12/12/2022		<2	<2				<2
12/13/2022	2.5			<2		<2	
12/14/2022					<2		
12/15/2022							
6/19/2023							
6/20/2023		<2	<2		<2		<2
6/21/2023	<2			<2		<2	
6/22/2023							
12/11/2023		<2					
12/12/2023			<2	<2	<2	<2	<2
12/13/2023	2.2						
6/24/2024							<2
6/25/2024		<2	<2			<2	
6/26/2024	2			<2	<2		
6/27/2024							

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethene Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 65.33

Tabulated Chi-Squared value = 47.3 with 33 degrees of freedom at the 5% significance level.

There were 1 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 0.9678

Adjusted Kruskal-Wallis statistic (H') = 65.33

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in none of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-14A	0	95.16	No
GWC-14	0	98.04	No
GWC-13	0	95.16	No
GWC-15 [Stats]	33.58	95.16	No
GWC-14R	0	95.16	No
GWC-12A	0	95.16	No
GWC-11	0	95.16	No
GWC-10A	0	95.16	No
GWC-12	0	95.16	No
GWC-23	0	95.16	No
GWC-22	0	95.16	No
GWC-19R	0	95.16	No
GWC-23A	0	95.16	No
GWC-24	0	95.16	No
GWC-17	0	98.04	No
GWC-16A [Stats]	0	95.16	No
GWC-18	0	95.16	No
GWC-10	0	95.16	No
GWC-3	0	98.04	No
GWC-2	0	95.16	No
GWC-3A	0	95.16	No
GWC-4A	0	95.16	No
GWC-4	0	105.3	No
GWA-3	0	95.16	No
GWA-1A	0	95.16	No
GWC-8R	0	95.16	No
GWC-8A	0	95.16	No
GWC-8	0	95.16	No
GWC-9	0	95.16	No
GWC-6	0	95.16	No
GWC-5	0	95.16	No
GWC-7	0	95.16	No

The critical (contrast) value was computed with 32 degrees of freedom and a 1% error level for each well comparison. (Note: this is a rare case, with Anova indicating significant differences that are not reflected in the contrast test. You may wish to consult a professional statistician.)

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-10	GWC-4A	GWC-3A	GWC-3	GWA-3	GWA-2 (bg)	GWC-10A	GWC-7
12/17/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/18/2018									<2
12/19/2018									
6/10/2019	<2	<2						<2	
6/11/2019			<2	<2	<2	<2	<2		
6/12/2019									<2
6/13/2019									
12/9/2019	<2								
12/10/2019				<2	<2	<2			
12/11/2019			<2				<2		<2
12/12/2019		<2						<2	
6/22/2020						<2	<2		
6/23/2020	<2		<2						
6/24/2020		<2		<2	<2			<2	<2
6/25/2020									
12/15/2020		<2						<2	
12/16/2020				<2	<2	<2			
12/17/2020	<2		<2				<2		<2
6/14/2021				<2		<2			
6/15/2021	<2	<2			<2		<2	<2	<2
6/16/2021									
6/17/2021			<2						
12/13/2021	<2						<2		<2
12/14/2021						<2			
12/15/2021		<2	<2	<2	<2			<2	
12/16/2021									
6/6/2022						<2			
6/7/2022		<2		<2	<2			<2	
6/8/2022	<2		<2				<2		<2
6/9/2022									
12/12/2022	<2			<2	<2		<2		<2
12/13/2022						<2			
12/14/2022		<2	<2					<2	
12/15/2022	<2								
6/19/2023				<2	<2				
6/20/2023						<2	<2		<2
6/21/2023		<2	<2					<2	
6/22/2023	<2								
12/11/2023		<2				<2		<2	<2
12/12/2023	<2			<2			<2		
12/13/2023			<2						
6/24/2024			<2			<2			<2
6/25/2024		<2		<2	<2			<2	
6/26/2024	<2						<2		
6/27/2024									

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-19R	GWC-18	GWA-1A	GWC-5	GWC-22	GWC-9	GWC-23	GWC-23A	GWC-14A
12/17/2018									
12/18/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/19/2018									<2
6/10/2019			<2						
6/11/2019	<2	<2							<2
6/12/2019				<2	<2	<2	<2	<2	
6/13/2019									
12/9/2019	<2	<2	<2						
12/10/2019				<2					<2
12/11/2019					<2		<2	<2	
12/12/2019						<2			
6/22/2020									
6/23/2020	<2	<2	<2	<2	<2				
6/24/2020						<2	<2	<2	<2
6/25/2020									
12/15/2020	<2	<2							<2
12/16/2020							<2	<2	
12/17/2020			<2	<2	<2	<2			
6/14/2021	<2	<2			<2		<2	<2	
6/15/2021				<2		<2			<2
6/16/2021									
6/17/2021			<2						
12/13/2021				<2	<2	<2	<2	<2	
12/14/2021	<2	<2							<2
12/15/2021									
12/16/2021			<2						
6/6/2022	<2				<2		<2	<2	
6/7/2022		<2				<2			
6/8/2022			<2	<2					
6/9/2022									<2
12/12/2022				<2	<2		<2	<2	
12/13/2022									<2
12/14/2022	<2	<2	<2			<2			
12/15/2022									
6/19/2023									
6/20/2023	<2	<2		<2	<2	<2			<2
6/21/2023							<2	<2	
6/22/2023			<2						
12/11/2023				<2	<2	<2	<2	<2	
12/12/2023		<2							<2
12/13/2023	<2		<2						
6/24/2024				<2					
6/25/2024	<2				<2	<2	<2	<2	<2
6/26/2024		<2	<2						
6/27/2024									

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-12A	GWC-2	GWC-12	GWC-15[Stats]	GWC-17	GWC-16A[Stats]	GWC-14R	GWC-8R	GWC-6
12/17/2018									
12/18/2018									
12/19/2018	<2	<2	<2	<2	<2	<2	<2	<2	<2
6/10/2019									
6/11/2019	<2		<2	<2					
6/12/2019		<2			<2		<2	<2	<2
6/13/2019						<2			
12/9/2019	<2		<2						
12/10/2019		<2		<2	<2		<2		<2
12/11/2019						<2		<2	
12/12/2019									
6/22/2020		<2							
6/23/2020					<2	<2	<2	<2	
6/24/2020	<2		<2						<2
6/25/2020				<2					
12/15/2020	<2		<2		<2			<2	
12/16/2020		<2							
12/17/2020				<2		<2	<2		<2
6/14/2021					<2				
6/15/2021	<2	<2	<2						<2
6/16/2021				<2		<2	<2	<2	
6/17/2021									
12/13/2021	<2		<2						<2
12/14/2021				<2	<2		<2		
12/15/2021		<2						<2	
12/16/2021						<2			
6/6/2022									
6/7/2022	<2	<2	<2						
6/8/2022									<2
6/9/2022				<2	<2	<2	<2	<2	
12/12/2022	<2	<2	<2						
12/13/2022							<2	<2	
12/14/2022					<2	<2			<2
12/15/2022				<2					
6/19/2023		<2							
6/20/2023	<2		<2		<2	<2			<2
6/21/2023							<2	<2	
6/22/2023				<2					
12/11/2023		<2							
12/12/2023	<2		<2			<2	<2	<2	<2
12/13/2023				2.4					
6/24/2024	<2		<2						<2
6/25/2024		<2			<2	<2			
6/26/2024				2.1				<2	
6/27/2024							<2		

Non-Parametric ANOVA

Constituent: 1,1-Dichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-8A	GWC-11	GWC-13	GWC-8	GWC-24	GWC-14	GWC-4
12/17/2018							
12/18/2018							
12/19/2018	<2	<2	<2	<2	<2		
6/10/2019							
6/11/2019					<2	<2	
6/12/2019	<2	<2	<2	<2			
6/13/2019							
12/9/2019					<2		
12/10/2019						<2	
12/11/2019	<2		<2	<2			
12/12/2019		<2					
6/22/2020							
6/23/2020	<2		<2	<2			<2
6/24/2020		<2			<2	<2	
6/25/2020							
12/15/2020	<2	<2	<2		<2		
12/16/2020				<2			
12/17/2020						<2	<2
6/14/2021					<2		
6/15/2021		<2	<2			<2	
6/16/2021	<2			<2			<2
6/17/2021							
12/13/2021		<2					
12/14/2021					<2		<2
12/15/2021	<2		<2	<2		<2	
12/16/2021							
6/6/2022							
6/7/2022		<2			<2		
6/8/2022			<2				<2
6/9/2022	<2			<2		<2	
12/12/2022		<2	<2				<2
12/13/2022	<2			<2		<2	
12/14/2022					<2		
12/15/2022							
6/19/2023							
6/20/2023		<2	<2		<2		<2
6/21/2023	<2			<2		<2	
6/22/2023							
12/11/2023		<2					
12/12/2023			<2	<2	<2	<2	<2
12/13/2023	<2						
6/24/2024							<2
6/25/2024		<2	<2			<2	
6/26/2024	<2			<2	<2		
6/27/2024							

Non-Parametric ANOVA

Constituent: Barium Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/18/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 321.1

Tabulated Chi-Squared value = 44.9 with 31 degrees of freedom at the 5% significance level.

There were 41 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 304.1

Adjusted Kruskal-Wallis statistic (H') = 321.1

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 7 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-10	-88.56	87.38	No
GWC-24	-71.27	96.72	No
GWC-11	-18.6	87.38	No
GWC-12	-79.06	87.38	No
GWC-12A	-107.6	87.38	No
GWC-6	-107.6	87.38	No
GWC-5	-107.6	87.38	No
GWC-23	-107.6	87.38	No
GWC-23A	-100.8	87.38	No
GWC-13	-86.68	87.38	No
GWC-14	48.34	96.72	No
GWC-16A [Stats]	-14.24	90.02	No
GWC-4A	32.48	87.38	No
GWA-3	-99.68	87.38	No
GWC-2	-96.48	87.38	No
GWC-3	-107.6	93.1	No
GWC-4	-23.21	96.72	No
GWC-22	-7.433	87.38	No
GWC-15 [Stats]	122.4	87.38	Yes
GWC-8	66.54	90.02	No
GWC-17	91.2	93.1	No
GWC-10A	63.98	87.38	No
GWA-1A	65.9	87.38	No
GWC-7	93.82	87.38	Yes
GWC-3A	87.32	87.38	No
GWC-8A	114.9	87.38	Yes
GWC-9	148.4	87.38	Yes
GWC-19R	162.3	87.38	Yes
GWC-18	180.1	87.38	Yes
GWC-14A	180	87.38	Yes

The critical (contrast) value was computed with 30 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric anova because the Chi Squared normality test showed the residuals to be non-normal at the 0.01 alpha level.

Non-Parametric ANOVA

Constituent: Barium (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-4A	GWC-3	GWA-3	GWC-10	GWA-2 (bg)	GWC-10A	GWA-1A	GWC-3A
12/18/2018	28	25	<20	<20	<20	32	35	32	38
12/19/2018									
12/20/2018									
6/10/2019								41	
6/11/2019	28				22		33		
6/12/2019		74	<20	<20		23			46
6/13/2019									
12/9/2019								30	
12/10/2019	20.9								
12/11/2019			<20	22.9					40.7
12/12/2019		<20				39.5			
12/13/2019					<20		35.2		
6/23/2020				<20		20		30.3	
6/24/2020	22.3	29.9							
6/25/2020			<20		<20		29.6		37.1
12/16/2020					<20		32.5		
12/17/2020			<20	<20				31.9	31.6
12/18/2020	27	30.5				22			
12/22/2020									
6/15/2021				<20					36.5
6/16/2021	26.1		<20		<20	24.2	31.5		
6/17/2021								37.4	
6/18/2021		35.7							
12/14/2021	24.1					24.9			
12/15/2021				<20					
12/16/2021		<20	<20		<20		33.5	32.3	32.8
6/7/2022				<20					
6/8/2022		36.3	<20		<20		31.8	31.8	32.3
6/9/2022	20.4					22.4			
6/10/2022									
12/12/2022	<20								
12/13/2022						20.6			35.4
12/14/2022				<20				34.8	
12/15/2022	27.7	33			<20		38.6		
6/20/2023			<20						36.3
6/21/2023				<20		22.6			
6/22/2023	23	54.6			<20		30.6	33.8	
12/12/2023				<20	29.3		38.1		
12/13/2023	29.7	45.7				27.5		40.5	43.2
12/14/2023									
6/25/2024		<20		<20					
6/26/2024			<20		<20		33.3	32.2	43.5
6/27/2024	23.2					21.6			

Non-Parametric ANOVA

Constituent: Barium (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-15[Stats]	GWC-23	GWC-9	GWC-18	GWC-22	GWC-7	GWC-5	GWC-19R	GWC-14A
12/18/2018									
12/19/2018	58	<20	53	140	21	51	<20	160	180
12/20/2018									
6/10/2019									
6/11/2019	60								
6/12/2019				230				97	170
6/13/2019		<20	80		21	48	<20		
12/9/2019									
12/10/2019	42.3			181				89.2	
12/11/2019							<20		170
12/12/2019		<20			21.5	49.9			
12/13/2019			67.9						
6/23/2020									
6/24/2020		<20		168	22.1		<20	83	171
6/25/2020	62.7		78.5			36.4			
12/16/2020				160				76.5	171
12/17/2020	54.7	<20							
12/18/2020			90		20.4	38.8	<20		
12/22/2020									
6/15/2021		<20		165	28			82.2	
6/16/2021	69.4		64.3			36.9	<20		173
6/17/2021									
6/18/2021									
12/14/2021	73.4	<20	100		24.6	41.8	<20		
12/15/2021				141				87	179
12/16/2021									
6/7/2022		<20			25.8			85.6	
6/8/2022			55.7	196					
6/9/2022	70.8					36.4	<20		
6/10/2022									167
12/12/2022									
12/13/2022		<20			24.1	35.6	<20		
12/14/2022									181
12/15/2022	34.4		87.8	178				180	
6/20/2023									
6/21/2023			69.6	219	24.4	34.8	<20	97.4	161
6/22/2023	24.4	<20							
12/12/2023		<20	93.6		23.7	37.1	<20		
12/13/2023	71.7			192					187
12/14/2023								101	
6/25/2024						31.2	<20		
6/26/2024	74.6	<20	62.5		22.4			99.7	150
6/27/2024				120					

Non-Parametric ANOVA

Constituent: Barium (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-23A	GWC-12	GWC-16A[Stats]	GWC-6	GWC-11	GWC-8A	GWC-12A	GWC-13	GWC-2
12/18/2018									
12/19/2018	<20								
12/20/2018		34	24	<20	<20	55	<20	<20	<20
6/10/2019									
6/11/2019									
6/12/2019		20					<20		
6/13/2019	<20		26	<20	40	33		<20	<20
12/9/2019									
12/10/2019		<20					<20		
12/11/2019				<20					<20
12/12/2019	<20		26.7			56		32.7	
12/13/2019					35.9				
6/23/2020			23.6						27.5
6/24/2020	<20					43.9		<20	
6/25/2020		<20		<20	25.9		<20		
12/16/2020					25.4	46.8	<20	<20	
12/17/2020	<20		25.2						<20
12/18/2020				<20					
12/22/2020		22.6							
6/15/2021	<20								
6/16/2021		<20	24.3	<20	22.1		<20	<20	<20
6/17/2021						52.4			
6/18/2021									
12/14/2021	<20	<20		<20	23.3		<20		
12/15/2021									
12/16/2021			23.6			49.7		<20	<20
6/7/2022	<20								
6/8/2022		<20			<20		<20		<20
6/9/2022				<20				<20	
6/10/2022			<20			39.9			
12/12/2022									
12/13/2022	<20	<20			23.2		<20	<20	<20
12/14/2022						52.7			
12/15/2022			23.6	<20					
6/20/2023									<20
6/21/2023		<20		<20	<20		<20	<20	
6/22/2023	<20					36.9			
12/12/2023	21.1				27.8				<20
12/13/2023		<20	26.3	<20			<20	21.8	
12/14/2023						47.9			
6/25/2024		<20		<20			<20		
6/26/2024	<20				<20			<20	<20
6/27/2024			<20			43.9			

Non-Parametric ANOVA

Constituent: Barium (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-17	GWC-14	GWC-24	GWC-8	GWC-4
12/18/2018					
12/19/2018					
12/20/2018	69				
6/10/2019					
6/11/2019					
6/12/2019		35	20		
6/13/2019	43			30	
12/9/2019					
12/10/2019			27.4		
12/11/2019	37.1	41.2			
12/12/2019				28.6	
12/13/2019					
6/23/2020					
6/24/2020	30.9			52.4	25.6
6/25/2020		<20	25.8		
12/16/2020	40.7				
12/17/2020				33	
12/18/2020		72.2			31.5
12/22/2020					
6/15/2021	38.3		<20		
6/16/2021		24			
6/17/2021				42.5	24.5
6/18/2021					
12/14/2021					
12/15/2021	39.2				21
12/16/2021		47.3		33.5	
6/7/2022					
6/8/2022			<20		
6/9/2022					<20
6/10/2022	41.1	20.8		33.5	
12/12/2022					
12/13/2022					20
12/14/2022				34	
12/15/2022	36.5		<20		
6/20/2023					
6/21/2023	27.6		<20		<20
6/22/2023		26.4		30	
12/12/2023					
12/13/2023			<20	39.8	24.2
12/14/2023					
6/25/2024					24
6/26/2024		39.7			
6/27/2024			<20	25.5	

Non-Parametric ANOVA

Constituent: Benzene Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 283.3

Tabulated Chi-Squared value = 47.3 with 33 degrees of freedom at the 5% significance level.

There were 7 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 55.05

Adjusted Kruskal-Wallis statistic (H') = 283.3

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 3 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-13	0	95.16	No
GWC-12A	0	95.16	No
GWC-14	0	98.04	No
GWC-14R	0	95.16	No
GWC-12	0	95.16	No
GWC-10A	0	95.16	No
GWC-10	0	95.16	No
GWC-24	0	95.16	No
GWC-11	0	95.16	No
GWC-15 [Stats]	139.6	95.16	Yes
GWC-23	0	95.16	No
GWC-22	0	95.16	No
GWC-23A	0	95.16	No
GWC-19R	0	95.16	No
GWC-17	0	98.04	No
GWC-16A [Stats]	17.75	95.16	No
GWC-18	17.5	95.16	No
GWC-9	0	95.16	No
GWC-3A	0	95.16	No
GWC-3	0	98.04	No
GWC-2	0	95.16	No
GWC-4A	0	95.16	No
GWC-4	0	105.3	No
GWA-3	0	95.16	No
GWA-1A	0	95.16	No
GWC-8A	97.13	95.16	Yes
GWC-8	0	95.16	No
GWC-7	0	95.16	No
GWC-8R	0	95.16	No
GWC-5	0	95.16	No
GWC-6	0	95.16	No
GWC-14A	198.2	95.16	Yes

The critical (contrast) value was computed with 32 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Benzene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-10	GWC-4A	GWC-3A	GWC-3	GWA-3	GWA-2 (bg)	GWC-10A	GWC-7
12/17/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/18/2018									<2
12/19/2018									
6/10/2019	<2	<2						<2	
6/11/2019			<2	<2	<2	<2	<2		
6/12/2019									<2
6/13/2019									
12/9/2019	<2								
12/10/2019				<2	<2	<2			
12/11/2019			<2				<2		<2
12/12/2019		<2						<2	
6/22/2020						<2	<2		
6/23/2020	<2		<2						
6/24/2020		<2		<2	<2			<2	<2
6/25/2020									
12/15/2020		<2						<2	
12/16/2020				<2	<2	<2			
12/17/2020	<2		<2				<2		<2
6/14/2021				<2		<2			
6/15/2021	<2	<2			<2		<2	<2	<2
6/16/2021									
6/17/2021			<2						
12/13/2021	<2						<2		<2
12/14/2021						<2			
12/15/2021		<2	<2	<2	<2			<2	
12/16/2021									
6/6/2022						<2			
6/7/2022		<2		<2	<2			<2	
6/8/2022	<2		<2				<2		<2
6/9/2022									
12/12/2022	<2			<2	<2		<2		<2
12/13/2022						<2			
12/14/2022		<2	<2					<2	
12/15/2022	<2								
6/19/2023				<2	<2				
6/20/2023						<2	<2		<2
6/21/2023		<2	<2					<2	
6/22/2023	<2								
12/11/2023		<2				<2		<2	<2
12/12/2023	<2			<2			<2		
12/13/2023			<2						
6/24/2024			<2			<2			<2
6/25/2024		<2		<2	<2			<2	
6/26/2024	<2						<2		
6/27/2024									

Non-Parametric ANOVA

Constituent: Benzene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-19R	GWC-18	GWA-1A	GWC-5	GWC-22	GWC-9	GWC-23	GWC-23A	GWC-14A
12/17/2018									
12/18/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/19/2018									2.5
6/10/2019			<2						
6/11/2019	<2	<2							2.1
6/12/2019				<2	<2	<2	<2	<2	
6/13/2019									
12/9/2019	<2	<2	<2						
12/10/2019				<2					2.6
12/11/2019					<2		<2	<2	
12/12/2019						<2			
6/22/2020									
6/23/2020	<2	<2	<2	<2	<2				
6/24/2020						<2	<2	<2	2.5
6/25/2020									
12/15/2020	<2	<2							2.9
12/16/2020							<2	<2	
12/17/2020			<2	<2	<2	<2			
6/14/2021	<2	<2			<2		<2	<2	
6/15/2021				<2		<2			2.6
6/16/2021									
6/17/2021			<2						
12/13/2021				<2	<2	<2	<2	<2	
12/14/2021	<2	<2							3
12/15/2021									
12/16/2021			<2						
6/6/2022	<2				<2		<2	<2	
6/7/2022		<2				<2			
6/8/2022			<2	<2					
6/9/2022									2.5
12/12/2022				<2	<2		<2	<2	
12/13/2022									3.3
12/14/2022	<2	<2	<2			<2			
12/15/2022									
6/19/2023									
6/20/2023	<2	<2		<2	<2	<2			2.8
6/21/2023							<2	<2	
6/22/2023			<2						
12/11/2023				<2	<2	<2	<2	<2	
12/12/2023		<2							3.4
12/13/2023	<2		<2						
6/24/2024				<2					
6/25/2024	<2				<2	<2	<2	<2	3.1
6/26/2024		3.8	<2						
6/27/2024									

Non-Parametric ANOVA

Constituent: Benzene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-12A	GWC-2	GWC-12	GWC-15[Stats]	GWC-17	GWC-16A[Stats]	GWC-14R	GWC-8R	GWC-6
12/17/2018									
12/18/2018									
12/19/2018	<2	<2	<2	<2	<2	<2	<2	<2	<2
6/10/2019									
6/11/2019	<2		<2	3.1					
6/12/2019		<2			<2		<2	<2	<2
6/13/2019						<2			
12/9/2019	<2		<2						
12/10/2019		<2		<2	<2		<2		<2
12/11/2019						<2		<2	
12/12/2019									
6/22/2020		<2							
6/23/2020					<2	<2	<2	<2	
6/24/2020	<2		<2						<2
6/25/2020				3.6					
12/15/2020	<2		<2		<2			<2	
12/16/2020		<2							
12/17/2020				3.1		<2	<2		<2
6/14/2021					<2				
6/15/2021	<2	<2	<2						<2
6/16/2021				3.9		<2	<2	2	
6/17/2021									
12/13/2021	<2		<2						<2
12/14/2021				3.7	<2		<2		
12/15/2021		<2						<2	
12/16/2021						<2			
6/6/2022									
6/7/2022	<2	<2	<2						
6/8/2022									<2
6/9/2022				4.2	<2	<2	<2	<2	
12/12/2022	<2	<2	<2						
12/13/2022							<2	<2	
12/14/2022					<2	<2			<2
12/15/2022				<2					
6/19/2023		<2							
6/20/2023	<2		<2		<2	<2			<2
6/21/2023							<2	<2	
6/22/2023				<2					
12/11/2023		<2							
12/12/2023	<2		<2			<2	<2	<2	<2
12/13/2023				4.9					
6/24/2024	<2		<2						<2
6/25/2024		<2			<2	4.7			
6/26/2024				5.1				<2	
6/27/2024							<2		

Non-Parametric ANOVA

Constituent: Benzene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-8A	GWC-11	GWC-13	GWC-8	GWC-24	GWC-14	GWC-4
12/17/2018							
12/18/2018							
12/19/2018	3.3	<2	<2	<2	<2		
6/10/2019							
6/11/2019					<2	<2	
6/12/2019	<2	<2	<2	<2			
6/13/2019							
12/9/2019					<2		
12/10/2019						<2	
12/11/2019	2.8		<2	<2			
12/12/2019		<2					
6/22/2020							
6/23/2020	<2		<2	<2			<2
6/24/2020		<2			<2	<2	
6/25/2020							
12/15/2020	2.3	<2	<2		<2		
12/16/2020				<2			
12/17/2020						<2	<2
6/14/2021					<2		
6/15/2021		<2	<2			<2	
6/16/2021	<2			<2			<2
6/17/2021							
12/13/2021		<2					
12/14/2021					<2		<2
12/15/2021	<2		<2	<2		<2	
12/16/2021							
6/6/2022							
6/7/2022		<2			<2		
6/8/2022			<2				<2
6/9/2022	2			<2		<2	
12/12/2022		<2	<2				<2
12/13/2022	2.4			<2		<2	
12/14/2022					<2		
12/15/2022							
6/19/2023							
6/20/2023		<2	<2		<2		<2
6/21/2023	<2			<2		<2	
6/22/2023							
12/11/2023		<2					
12/12/2023			<2	<2	<2	<2	<2
12/13/2023	2.2						
6/24/2024							<2
6/25/2024		<2	<2			<2	
6/26/2024	2.1			<2	<2		
6/27/2024							

Non-Parametric ANOVA

Constituent: Chlorobenzene Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 299.2

Tabulated Chi-Squared value = 47.3 with 33 degrees of freedom at the 5% significance level.

There were 4 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 19.6

Adjusted Kruskal-Wallis statistic (H') = 299.2

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 1 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-14	0	98.04	No
GWC-13	0	95.16	No
GWC-12A	0	95.16	No
GWC-15 [Stats]	0	95.16	No
GWC-14R	0	95.16	No
GWC-14A	151.1	95.16	Yes
GWC-11	0	95.16	No
GWC-10A	0	95.16	No
GWC-20	0	95.16	No
GWC-10	0	95.16	No
GWC-12	0	95.16	No
GWC-23	0	95.16	No
GWC-22	0	95.16	No
GWC-23A	0	95.16	No
GWC-19R	0	95.16	No
GWC-17	0	98.04	No
GWC-16A [Stats]	0	95.16	No
GWC-18	0	95.16	No
GWC-3A	0	95.16	No
GWC-3	0	98.04	No
GWC-2	0	95.16	No
GWC-4A	0	95.16	No
GWC-4	0	105.3	No
GWA-1A	0	95.16	No
GWA-3	0	95.16	No
GWC-8R	0	95.16	No
GWC-8A	0	95.16	No
GWC-8	0	95.16	No
GWC-9	0	95.16	No
GWC-6	0	95.16	No
GWC-5	0	95.16	No
GWC-7	0	95.16	No

The critical (contrast) value was computed with 32 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Chlorobenzene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-10	GWC-4A	GWC-3A	GWC-3	GWA-3	GWA-2 (bg)	GWC-10A	GWC-7
12/17/2018	<10	<10	<10	<10	<10	<10	<10	<10	
12/18/2018									<10
12/19/2018									
6/10/2019	<10	<10						<10	
6/11/2019			<10	<10	<10	<10	<10		
6/12/2019									<10
6/13/2019									
12/9/2019	<10								
12/10/2019				<10	<10	<10			
12/11/2019			<10				<10		<10
12/12/2019		<10						<10	
6/22/2020						<10	<10		
6/23/2020	<10		<10						
6/24/2020		<10		<10	<10			<10	<10
6/25/2020									
12/15/2020		<10						<10	
12/16/2020				<10	<10	<10			
12/17/2020	<10		<10				<10		<10
6/14/2021				<10		<10			
6/15/2021	<10	<10			<10		<10	<10	<10
6/16/2021									
6/17/2021			<10						
12/13/2021	<10						<10		<10
12/14/2021						<10			
12/15/2021		<10	<10	<10	<10			<10	
12/16/2021									
6/6/2022						<10			
6/7/2022		<10		<10	<10			<10	
6/8/2022	<10		<10				<10		<10
6/9/2022									
12/12/2022	<10			<10	<10		<10		<10
12/13/2022						<10			
12/14/2022		<10	<10					<10	
12/15/2022	<10								
6/19/2023				<10	<10				
6/20/2023						<10	<10		<10
6/21/2023		<10	<10					<10	
6/22/2023	<10								
12/11/2023		<10				<10		<10	<10
12/12/2023	<10			<10			<10		
12/13/2023			<10						
6/24/2024			<10			<10			<10
6/25/2024		<10		<10	<10			<10	
6/26/2024	<10						<10		
6/27/2024									

Non-Parametric ANOVA

Constituent: Chlorobenzene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-19R	GWC-18	GWA-1A	GWC-5	GWC-22	GWC-9	GWC-23	GWC-23A	GWC-14A
12/17/2018									
12/18/2018	<10	<10	<10	<10	<10	<10	<10	<10	
12/19/2018									<10
6/10/2019			<10						
6/11/2019	<10	<10							<10
6/12/2019				<10	<10	<10	<10	<10	
6/13/2019									
12/9/2019	<10	<10	<10						
12/10/2019				<10					<10
12/11/2019					<10		<10	<10	
12/12/2019						<10			
6/22/2020									
6/23/2020	<10	<10	<10	<10	<10				
6/24/2020						<10	<10	<10	12
6/25/2020									
12/15/2020	<10	<10							16
12/16/2020							<10	<10	
12/17/2020			<10	<10	<10	<10			
6/14/2021	<10	<10			<10		<10	<10	
6/15/2021				<10		<10			15
6/16/2021									
6/17/2021			<10						
12/13/2021				<10	<10	<10	<10	<10	
12/14/2021	<10	<10							15
12/15/2021									
12/16/2021			<10						
6/6/2022	<10				<10		<10	<10	
6/7/2022		<10				<10			
6/8/2022			<10	<10					
6/9/2022									17
12/12/2022				<10	<10		<10	<10	
12/13/2022									14
12/14/2022	<10	<10	<10			<10			
12/15/2022									
6/19/2023									
6/20/2023	<10	<10		<10	<10	<10			12
6/21/2023							<10	<10	
6/22/2023			<10						
12/11/2023				<10	<10	<10	<10	<10	
12/12/2023		<10							13
12/13/2023	<10		<10						
6/24/2024				<10					
6/25/2024	<10				<10	<10	<10	<10	14
6/26/2024		<10	<10						
6/27/2024									

Non-Parametric ANOVA

Constituent: Chlorobenzene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-12A	GWC-2	GWC-12	GWC-15[Stats]	GWC-17	GWC-16A[Stats]	GWC-14R	GWC-8R	GWC-6
12/17/2018									
12/18/2018									
12/19/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10
6/10/2019									
6/11/2019	<10		<10	<10					
6/12/2019		<10			<10		<10	<10	<10
6/13/2019						<10			
12/9/2019	<10		<10						
12/10/2019		<10		<10	<10		<10		<10
12/11/2019						<10		<10	
12/12/2019									
6/22/2020		<10							
6/23/2020					<10	<10	<10	<10	
6/24/2020	<10		<10						<10
6/25/2020				<10					
12/15/2020	<10		<10		<10			<10	
12/16/2020		<10							
12/17/2020				<10		<10	<10		<10
6/14/2021					<10				
6/15/2021	<10	<10	<10						<10
6/16/2021				<10		<10	<10	<10	
6/17/2021									
12/13/2021	<10		<10						<10
12/14/2021				<10	<10		<10		
12/15/2021		<10						<10	
12/16/2021						<10			
6/6/2022									
6/7/2022	<10	<10	<10						
6/8/2022									<10
6/9/2022				<10	<10	<10	<10	<10	
12/12/2022	<10	<10	<10						
12/13/2022							<10	<10	
12/14/2022					<10	<10			<10
12/15/2022				<10					
6/19/2023		<10							
6/20/2023	<10		<10		<10	<10			<10
6/21/2023							<10	<10	
6/22/2023				<10					
12/11/2023		<10							
12/12/2023	<10		<10			<10	<10	<10	<10
12/13/2023				<10					
6/24/2024	<10		<10						<10
6/25/2024		<10			<10	<10			
6/26/2024				<10				<10	
6/27/2024							<10		

Non-Parametric ANOVA

Constituent: Chlorobenzene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-8A	GWC-11	GWC-13	GWC-8	GWC-24	GWC-14	GWC-4
12/17/2018							
12/18/2018							
12/19/2018	<10	<10	<10	<10	<10		
6/10/2019							
6/11/2019					<10	<10	
6/12/2019	<10	<10	<10	<10			
6/13/2019							
12/9/2019					<10		
12/10/2019						<10	
12/11/2019	<10		<10	<10			
12/12/2019		<10					
6/22/2020							
6/23/2020	<10		<10	<10			<10
6/24/2020		<10			<10	<10	
6/25/2020							
12/15/2020	<10	<10	<10		<10		
12/16/2020				<10			
12/17/2020						<10	<10
6/14/2021					<10		
6/15/2021		<10	<10			<10	
6/16/2021	<10			<10			<10
6/17/2021							
12/13/2021		<10					
12/14/2021					<10		<10
12/15/2021	<10		<10	<10		<10	
12/16/2021							
6/6/2022							
6/7/2022		<10			<10		
6/8/2022			<10				<10
6/9/2022	<10			<10		<10	
12/12/2022		<10	<10				<10
12/13/2022	<10			<10		<10	
12/14/2022					<10		
12/15/2022							
6/19/2023							
6/20/2023		<10	<10		<10		<10
6/21/2023	<10			<10		<10	
6/22/2023							
12/11/2023		<10					
12/12/2023			<10	<10	<10	<10	<10
12/13/2023	<10						
6/24/2024							<10
6/25/2024		<10	<10			<10	
6/26/2024	<10			<10	<10		
6/27/2024							

Non-Parametric ANOVA

Constituent: Chloroethane Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 401.9

Tabulated Chi-Squared value = 47.3 with 33 degrees of freedom at the 5% significance level.

There were 1 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 34.84

Adjusted Kruskal-Wallis statistic (H') = 401.9

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 1 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-14	0	98.04	No
GWC-13	0	95.16	No
GWC-12A	0	95.16	No
GWC-15 [Stats]	0	95.16	No
GWC-14R	0	95.16	No
GWC-11	0	95.16	No
GWC-10A	0	95.16	No
GWC-24	0	95.16	No
GWC-10	0	95.16	No
GWC-12	0	95.16	No
GWC-23	0	95.16	No
GWC-22	0	95.16	No
GWC-23A	0	95.16	No
GWC-19R	0	95.16	No
GWC-17	0	98.04	No
GWC-16A [Stats]	0	95.16	No
GWC-18	0	95.16	No
GWC-3A	0	95.16	No
GWC-3	0	98.04	No
GWC-2	0	95.16	No
GWC-4A	0	95.16	No
GWC-4	0	105.3	No
GWA-1A	0	95.16	No
GWA-3	0	95.16	No
GWC-8R	0	95.16	No
GWC-8A	0	95.16	No
GWC-8	0	95.16	No
GWC-9	0	95.16	No
GWC-6	0	95.16	No
GWC-5	0	95.16	No
GWC-7	0	95.16	No
GWC-14A	201.5	95.16	Yes

The critical (contrast) value was computed with 32 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Chloroethane (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-10	GWC-4A	GWC-3A	GWC-3	GWA-3	GWA-2 (bg)	GWC-10A	GWC-7
12/17/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/18/2018									<2
12/19/2018									
6/10/2019	<2	<2						<2	
6/11/2019			<2	<2	<2	<2	<2		
6/12/2019									<2
6/13/2019									
12/9/2019	<2								
12/10/2019				<2	<2	<2			
12/11/2019			<2				<2		<2
12/12/2019		<2						<2	
6/22/2020						<2	<2		
6/23/2020	<2		<2						
6/24/2020		<2		<2	<2			<2	<2
6/25/2020									
12/15/2020		<2						<2	
12/16/2020				<2	<2	<2			
12/17/2020	<2		<2				<2		<2
6/14/2021				<2		<2			
6/15/2021	<2	<2			<2		<2	<2	<2
6/16/2021									
6/17/2021			<2						
12/13/2021	<2						<2		<2
12/14/2021						<2			
12/15/2021		<2	<2	<2	<2			<2	
12/16/2021									
6/6/2022						<2			
6/7/2022		<2		<2	<2			<2	
6/8/2022	<2		<2				<2		<2
6/9/2022									
12/12/2022	<2			<2	<2		<2		<2
12/13/2022						<2			
12/14/2022		<2	<2					<2	
12/15/2022	<2								
6/19/2023				<2	<2				
6/20/2023						<2	<2		<2
6/21/2023		<2	<2					<2	
6/22/2023	<2								
12/11/2023		<2				<2		<2	<2
12/12/2023	<2			<2			<2		
12/13/2023			<2						
6/24/2024			<2			<2			<2
6/25/2024		<2		<2	<2			<2	
6/26/2024	<2						<2		
6/27/2024									

Non-Parametric ANOVA

Constituent: Chloroethane (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-19R	GWC-18	GWA-1A	GWC-5	GWC-22	GWC-9	GWC-23	GWC-23A	GWC-14A
12/17/2018									
12/18/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/19/2018									5.4
6/10/2019			<2						
6/11/2019	<2	<2							4.4
6/12/2019				<2	<2	<2	<2	<2	
6/13/2019									
12/9/2019	<2	<2	<2						
12/10/2019				<2					3.6
12/11/2019					<2		<2	<2	
12/12/2019						<2			
6/22/2020									
6/23/2020	<2	<2	<2	<2	<2				
6/24/2020						<2	<2	<2	3.3
6/25/2020									
12/15/2020	<2	<2							4.2
12/16/2020							<2	<2	
12/17/2020			<2	<2	<2	<2			
6/14/2021	<2	<2			<2		<2	<2	
6/15/2021				<2		<2			3
6/16/2021									
6/17/2021			<2						
12/13/2021				<2	<2	<2	<2	<2	
12/14/2021	<2	<2							5
12/15/2021									
12/16/2021			<2						
6/6/2022	<2				<2		<2	<2	
6/7/2022		<2				<2			
6/8/2022			<2	<2					
6/9/2022									3.7
12/12/2022				<2	<2		<2	<2	
12/13/2022									3.4
12/14/2022	<2	<2	<2			<2			
12/15/2022									
6/19/2023									
6/20/2023	<2	<2		<2	<2	<2			2.4
6/21/2023							<2	<2	
6/22/2023			<2						
12/11/2023				<2	<2	<2	<2	<2	
12/12/2023		<2							5.5
12/13/2023	<2		<2						
6/24/2024				<2					
6/25/2024	<2				<2	<2	<2	<2	3.5
6/26/2024		<2	<2						
6/27/2024									

Non-Parametric ANOVA

Constituent: Chloroethane (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-12A	GWC-2	GWC-12	GWC-15[Stats]	GWC-17	GWC-16A[Stats]	GWC-14R	GWC-8R	GWC-6
12/17/2018									
12/18/2018									
12/19/2018	<2	<2	<2	<2	<2	<2	<2	<2	<2
6/10/2019									
6/11/2019	<2		<2	<2					
6/12/2019		<2			<2		<2	<2	<2
6/13/2019						<2			
12/9/2019	<2		<2						
12/10/2019		<2		<2	<2		<2		<2
12/11/2019						<2		<2	
12/12/2019									
6/22/2020		<2							
6/23/2020					<2	<2	<2	<2	
6/24/2020	<2		<2						<2
6/25/2020				<2					
12/15/2020	<2		<2		<2			<2	
12/16/2020		<2							
12/17/2020				<2		<2	<2		<2
6/14/2021					<2				
6/15/2021	<2	<2	<2						<2
6/16/2021				<2		<2	<2	<2	
6/17/2021									
12/13/2021	<2		<2						<2
12/14/2021				<2	<2		<2		
12/15/2021		<2						<2	
12/16/2021						<2			
6/6/2022									
6/7/2022	<2	<2	<2						
6/8/2022									<2
6/9/2022				<2	<2	<2	<2	<2	
12/12/2022	<2	<2	<2						
12/13/2022							<2	<2	
12/14/2022					<2	<2			<2
12/15/2022				<2					
6/19/2023		<2							
6/20/2023	<2		<2		<2	<2			<2
6/21/2023							<2	<2	
6/22/2023				<2					
12/11/2023		<2							
12/12/2023	<2		<2			<2	<2	<2	<2
12/13/2023				<2					
6/24/2024	<2		<2						<2
6/25/2024		<2			<2	<2			
6/26/2024				<2				<2	
6/27/2024							<2		

Non-Parametric ANOVA

Constituent: Chloroethane (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-8A	GWC-11	GWC-13	GWC-8	GWC-24	GWC-14	GWC-4
12/17/2018							
12/18/2018							
12/19/2018	<2	<2	<2	<2	<2		
6/10/2019							
6/11/2019					<2	<2	
6/12/2019	<2	<2	<2	<2			
6/13/2019							
12/9/2019					<2		
12/10/2019						<2	
12/11/2019	<2		<2	<2			
12/12/2019		<2					
6/22/2020							
6/23/2020	<2		<2	<2			<2
6/24/2020		<2			<2	<2	
6/25/2020							
12/15/2020	<2	<2	<2		<2		
12/16/2020				<2			
12/17/2020						<2	<2
6/14/2021					<2		
6/15/2021		<2	<2			<2	
6/16/2021	<2			<2			<2
6/17/2021							
12/13/2021		<2					
12/14/2021					<2		<2
12/15/2021	<2		<2	<2		<2	
12/16/2021							
6/6/2022							
6/7/2022		<2			<2		
6/8/2022			<2				<2
6/9/2022	<2			<2		<2	
12/12/2022		<2	<2				<2
12/13/2022	<2			<2		<2	
12/14/2022					<2		
12/15/2022							
6/19/2023							
6/20/2023		<2	<2		<2		<2
6/21/2023	<2			<2		<2	
6/22/2023							
12/11/2023		<2					
12/12/2023			<2	<2	<2	<2	<2
12/13/2023	<2						
6/24/2024							<2
6/25/2024		<2	<2			<2	
6/26/2024	<2			<2	<2		
6/27/2024							

Non-Parametric ANOVA

Constituent: cis-1,2-Dichloroethene Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 349.7

Tabulated Chi-Squared value = 47.3 with 33 degrees of freedom at the 5% significance level.

There were 25 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 211.2

Adjusted Kruskal-Wallis statistic (H') = 349.7

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 8 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-12	0	95.16	No
GWC-11	0	95.16	No
GWC-12A	0	95.16	No
GWC-13	0	95.16	No
GWC-10A	0	95.16	No
GWC-10	0	95.16	No
GWC-9	0	95.16	No
GWC-24	69.42	95.16	No
GWC-23	0	95.16	No
GWC-22	0	95.16	No
GWC-23A	0	95.16	No
GWC-14	0	98.04	No
GWC-17	111.2	98.04	Yes
GWC-16A [Stats]	91.46	95.16	Yes
GWC-15 [Stats]	200.3	95.16	Yes
GWC-3A	0	95.16	No
GWC-3	0	98.04	No
GWC-4A	0	95.16	No
GWC-2	0	95.16	No
GWC-4	0	105.3	No
GWA-3	0	95.16	No
GWC-8	83.04	95.16	No
GWA-1A	0	95.16	No
GWC-7	0	95.16	No
GWC-6	0	95.16	No
GWC-5	0	95.16	No
GWC-19R	173.1	95.16	Yes
GWC-18	195.4	95.16	Yes
GWC-14R	205	95.16	Yes
GWC-8R	216.6	95.16	Yes
GWC-8A	219.6	95.16	Yes
GWC-14A	240.9	95.16	Yes

The critical (contrast) value was computed with 32 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric anova because the Chi Squared normality test showed the residuals to be non-normal at the 0.01 alpha level.

Non-Parametric ANOVA

Constituent: cis-1,2-Dichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-10	GWC-4A	GWC-3A	GWC-3	GWA-3	GWA-2 (bg)	GWC-10A	GWC-7
12/17/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/18/2018									<2
12/19/2018									
6/10/2019	<2	<2						<2	
6/11/2019			<2	<2	<2	<2	<2		
6/12/2019									<2
6/13/2019									
12/9/2019	<2								
12/10/2019				<2	<2	<2			
12/11/2019			<2				<2		<2
12/12/2019		<2						<2	
6/22/2020						<2	<2		
6/23/2020	<2		<2						
6/24/2020		<2		<2	<2			<2	<2
6/25/2020									
12/15/2020		<2						<2	
12/16/2020				<2	<2	<2			
12/17/2020	<2		<2				<2		<2
6/14/2021				<2		<2			
6/15/2021	<2	<2			<2		<2	<2	<2
6/16/2021									
6/17/2021			<2						
12/13/2021	<2						<2		<2
12/14/2021						<2			
12/15/2021		<2	<2	<2	<2			<2	
12/16/2021									
6/6/2022						<2			
6/7/2022		<2		<2	<2			<2	
6/8/2022	<2		<2				<2		<2
6/9/2022									
12/12/2022	<2			<2	<2		<2		<2
12/13/2022						<2			
12/14/2022		<2	<2					<2	
12/15/2022	<2								
6/19/2023				<2	<2				
6/20/2023						<2	<2		<2
6/21/2023		<2	<2					<2	
6/22/2023	<2								
12/11/2023		<2				<2		<2	<2
12/12/2023	<2			<2			<2		
12/13/2023			<2						
6/24/2024			<2			<2			<2
6/25/2024		<2		<2	<2			<2	
6/26/2024	<2						<2		
6/27/2024									

Non-Parametric ANOVA

Constituent: cis-1,2-Dichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-19R	GWC-18	GWA-1A	GWC-5	GWC-22	GWC-9	GWC-23	GWC-23A	GWC-14A
12/17/2018									
12/18/2018	2.9	12	<2	<2	<2	<2	<2	<2	
12/19/2018									53
6/10/2019			<2						
6/11/2019	7.7	14							46
6/12/2019				<2	<2	<2	<2	<2	
6/13/2019									
12/9/2019	11	30	<2						
12/10/2019				<2					65
12/11/2019					<2		<2	<2	
12/12/2019						<2			
6/22/2020									
6/23/2020	7.2	10	<2	<2	<2				
6/24/2020						<2	<2	<2	62
6/25/2020									
12/15/2020	7.9	26							69
12/16/2020							<2	<2	
12/17/2020			<2	<2	<2	<2			
6/14/2021	5.3	6.2			<2		<2	<2	
6/15/2021				<2		<2			59
6/16/2021									
6/17/2021			<2						
12/13/2021				<2	<2	<2	<2	<2	
12/14/2021	7.9	10							77
12/15/2021									
12/16/2021			<2						
6/6/2022	4				<2		<2	<2	
6/7/2022		13				<2			
6/8/2022			<2	<2					
6/9/2022									54
12/12/2022				<2	<2		<2	<2	
12/13/2022									86
12/14/2022	9.9	20	<2			<2			
12/15/2022									
6/19/2023									
6/20/2023	3	11		<2	<2	<2			54
6/21/2023							<2	<2	
6/22/2023			<2						
12/11/2023				<2	<2	<2	<2	<2	
12/12/2023		26							82
12/13/2023	11		<2						
6/24/2024				<2					
6/25/2024	2.6				<2	<2	<2	<2	57
6/26/2024		17	<2						
6/27/2024									

Non-Parametric ANOVA

Constituent: cis-1,2-Dichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-12A	GWC-2	GWC-12	GWC-15[Stats]	GWC-17	GWC-16A[Stats]	GWC-14R	GWC-8R	GWC-6
12/17/2018									
12/18/2018									
12/19/2018	<2	<2	<2	2.9	8.7	2.5	17	18	<2
6/10/2019									
6/11/2019	<2		<2	97					
6/12/2019		<2			<2		21	21	<2
6/13/2019						<2			
12/9/2019	<2		<2						
12/10/2019		<2		51	15		19		<2
12/11/2019						2.1		24	
12/12/2019									
6/22/2020		<2							
6/23/2020					<2	2.2	26	27	
6/24/2020	<2		<2						<2
6/25/2020				110					
12/15/2020	<2		<2		22			30	
12/16/2020		<2							
12/17/2020				110		2.3	28		<2
6/14/2021					2.2				
6/15/2021	<2	<2	<2						<2
6/16/2021				130		2.1	26	32	
6/17/2021									
12/13/2021	<2		<2						<2
12/14/2021				140	7.6		24		
12/15/2021		<2						24	
12/16/2021						<2			
6/6/2022									
6/7/2022	<2	<2	<2						
6/8/2022									<2
6/9/2022				150	5.4	<2	21	24	
12/12/2022	<2	<2	<2						
12/13/2022							22	29	
12/14/2022					2.1	<2			<2
12/15/2022				<2					
6/19/2023		<2							
6/20/2023	<2		<2		<2	9			<2
6/21/2023							20	28	
6/22/2023				<2					
12/11/2023		<2							
12/12/2023	<2		<2			<2	23	29	<2
12/13/2023				170					
6/24/2024	<2		<2						<2
6/25/2024		<2			<2	2.8			
6/26/2024				140				31	
6/27/2024							21		

Non-Parametric ANOVA

Constituent: cis-1,2-Dichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-8A	GWC-11	GWC-13	GWC-8	GWC-24	GWC-14	GWC-4
12/17/2018							
12/18/2018							
12/19/2018	31	<2	<2	4.3	3.7		
6/10/2019							
6/11/2019					4.4	<2	
6/12/2019	22	<2	<2	<2			
6/13/2019							
12/9/2019					6.1		
12/10/2019						<2	
12/11/2019	33		<2	2.8			
12/12/2019		<2					
6/22/2020							
6/23/2020	23		<2	<2			<2
6/24/2020		<2			3	<2	
6/25/2020							
12/15/2020	31	<2	<2		3.5		
12/16/2020				<2			
12/17/2020						<2	<2
6/14/2021					<2		
6/15/2021		<2	<2			<2	
6/16/2021	24			<2			<2
6/17/2021							
12/13/2021		<2					
12/14/2021					<2		<2
12/15/2021	24		<2	<2		<2	
12/16/2021							
6/6/2022							
6/7/2022		<2			<2		
6/8/2022			<2				<2
6/9/2022	27			<2		<2	
12/12/2022		<2	<2				<2
12/13/2022	35			3.4		<2	
12/14/2022					<2		
12/15/2022							
6/19/2023							
6/20/2023		<2	<2		<2		<2
6/21/2023	23			2.7		<2	
6/22/2023							
12/11/2023		<2					
12/12/2023			<2	9.1	<2	<2	<2
12/13/2023	33						
6/24/2024							<2
6/25/2024		<2	<2			<2	
6/26/2024	29			5	<2		
6/27/2024							

Non-Parametric ANOVA

Constituent: Cobalt Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/18/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 265.3

Tabulated Chi-Squared value = 44.9 with 31 degrees of freedom at the 5% significance level.

There were 3 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 52.1

Adjusted Kruskal-Wallis statistic (H') = 265.3

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 2 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-12A	0	87.38	No
GWC-12	0	87.38	No
GWC-13	0	87.38	No
GWC-15 [Stats]	0	87.38	No
GWC-14	141.9	96.72	Yes
GWC-10A	0	87.38	No
GWC-10	0	87.38	No
GWC-24	19.61	96.72	No
GWC-9	0	87.38	No
GWC-11	0	87.38	No
GWC-23	0	87.38	No
GWC-22	0	87.38	No
GWC-23A	0	87.38	No
GWC-19R	43.54	87.38	No
GWC-17	17.65	93.1	No
GWC-16A [Stats]	16.05	90.02	No
GWC-18	14.71	87.38	No
GWC-3	0	93.1	No
GWC-2	0	87.38	No
GWC-3A	0	87.38	No
GWC-4	0	96.72	No
GWA-3	0	87.38	No
GWA-1A	0	87.38	No
GWC-4A	0	87.38	No
GWC-6	0	87.38	No
GWC-8	0	90.02	No
GWC-5	0	87.38	No
GWC-7	0	87.38	No
GWC-8A	0	87.38	No
GWC-14A	192	87.38	Yes

The critical (contrast) value was computed with 30 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Cobalt (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-4A	GWC-3	GWA-3	GWC-10	GWA-2 (bg)	GWC-10A	GWA-1A	GWC-3A
12/18/2018	<40	<40	<40	<40	<40	<40	<40	<40	<40
12/19/2018									
12/20/2018									
6/10/2019								<40	
6/11/2019	<40				<40		<40		
6/12/2019		<40	<40	<40		<40			<40
6/13/2019									
12/9/2019								<40	
12/10/2019	<40								
12/11/2019			<40	<40					<40
12/12/2019		<40				<40			
12/13/2019					<40		<40		
6/23/2020				<40		<40		<40	
6/24/2020	<40	<40							
6/25/2020			<40		<40		<40		<40
12/16/2020					<40		<40		
12/17/2020			<40	<40				<40	<40
12/18/2020	<40	<40				<40			
12/22/2020									
6/15/2021				<40					<40
6/16/2021	<40		<40		<40	<40	<40		
6/17/2021								<40	
6/18/2021		<40							
12/14/2021	<40					<40			
12/15/2021				<40					
12/16/2021		<40	<40		<40		<40	<40	<40
6/7/2022				<40					
6/8/2022		<40	<40		<40		<40	<40	<40
6/9/2022	<40					<40			
6/10/2022									
12/12/2022	<40								
12/13/2022						<40			<40
12/14/2022				<40				<40	
12/15/2022	<40	<40			<40		<40		
6/20/2023			<40						<40
6/21/2023				<40		<40			
6/22/2023	<40	<40			<40		<40	<40	
12/12/2023				<40	<40		<40		
12/13/2023	<40	<40				<40		<40	<40
12/14/2023									
6/25/2024		<40		<40					
6/26/2024			<40		<40		<40	<40	<40
6/27/2024	<40					<40			

Non-Parametric ANOVA

Constituent: Cobalt (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-15[Stats]	GWC-23	GWC-9	GWC-18	GWC-22	GWC-7	GWC-5	GWC-19R	GWC-14A
12/18/2018									
12/19/2018	<40	<40	<40	<40	<40	<40	<40	<40	290
12/20/2018									
6/10/2019									
6/11/2019	<40								
6/12/2019				<40				<40	330
6/13/2019		<40	<40		<40	<40	<40		
12/9/2019									
12/10/2019	<40			<40				<40	
12/11/2019							<40		228
12/12/2019		<40			<40	<40			
12/13/2019			<40						
6/23/2020									
6/24/2020		<40		<40	<40		<40	<40	301
6/25/2020	<40		<40			<40			
12/16/2020				<40				<40	298
12/17/2020	<40	<40							
12/18/2020			<40		<40	<40	<40		
12/22/2020									
6/15/2021		<40		<40	<40			45.2	
6/16/2021	<40		<40			<40	<40		306
6/17/2021									
6/18/2021									
12/14/2021	<40	<40	<40		<40	<40	<40		
12/15/2021				<40				40.4	192
12/16/2021									
6/7/2022		<40			<40			<50	
6/8/2022			<40	<50					
6/9/2022	<40					<40	<40		
6/10/2022									252
12/12/2022									
12/13/2022		<40			<40	<40	<40		
12/14/2022									192
12/15/2022	<40		<40	<40				<40	
6/20/2023									
6/21/2023			<40	<40	<40	<40	<40	<40	226
6/22/2023	<40	<40							
12/12/2023		<40	<40		<40	<40	<40		
12/13/2023	<40			<40					174
12/14/2023								<40	
6/25/2024						<40	<40		
6/26/2024	<40	<40	<40		<40			<40	200
6/27/2024				<40					

Non-Parametric ANOVA

Constituent: Cobalt (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-23A	GWC-12	GWC-16A[Stats]	GWC-6	GWC-11	GWC-8A	GWC-12A	GWC-13	GWC-2
12/18/2018									
12/19/2018	<40								
12/20/2018		<40	<40	<40	<40	<40	<40	<40	<40
6/10/2019									
6/11/2019									
6/12/2019		<40					<40		
6/13/2019	<40		<40	<40	<40	<40		<40	<40
12/9/2019									
12/10/2019		<40					<40		
12/11/2019				<40					<40
12/12/2019	<40		<40			<40		<40	
12/13/2019					<40				
6/23/2020			<40						<40
6/24/2020	<40					<40		<40	
6/25/2020		<40		<40	<40		<40		
12/16/2020					<40	<40	<40	<40	
12/17/2020	<40		<40						<40
12/18/2020				<40					
12/22/2020		<40							
6/15/2021	<40								
6/16/2021		<40	<40	<40	<40		<40	<40	<40
6/17/2021						<40			
6/18/2021									
12/14/2021	<40	<40		<40	<40		<40		
12/15/2021									
12/16/2021			<40			<40		<40	<40
6/7/2022	<40								
6/8/2022		<40			<40		<40		<40
6/9/2022				<40				<40	
6/10/2022			<50			<40			
12/12/2022									
12/13/2022	<40	<40			<40		<40	<40	<40
12/14/2022						<40			
12/15/2022			<40	<40					
6/20/2023									<40
6/21/2023		<40		<40	<40		<40	<40	
6/22/2023	<40					<40			
12/12/2023	<40				<40				<40
12/13/2023		<40	<40	<40			<40	<40	
12/14/2023						<40			
6/25/2024		<40		<40			<40		
6/26/2024	<40				<40			<40	<40
6/27/2024			<40			<40			

Non-Parametric ANOVA

Constituent: Cobalt (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-17	GWC-14	GWC-24	GWC-8	GWC-4
12/18/2018					
12/19/2018					
12/20/2018	<40				
6/10/2019					
6/11/2019					
6/12/2019		57	<40		
6/13/2019	<40			<40	
12/9/2019					
12/10/2019			<40		
12/11/2019	<40	50.3			
12/12/2019				<40	
12/13/2019					
6/23/2020					
6/24/2020	<40			<40	<40
6/25/2020		95.1	<40		
12/16/2020	<40				
12/17/2020				<40	
12/18/2020		55.5			<40
12/22/2020					
6/15/2021	<40		<40		
6/16/2021		87.6			
6/17/2021				<40	<40
6/18/2021					
12/14/2021					
12/15/2021	<40				<40
12/16/2021		<40		<40	
6/7/2022					
6/8/2022			<50		
6/9/2022					<40
6/10/2022	<50	85.5		<40	
12/12/2022					
12/13/2022					<40
12/14/2022				<40	
12/15/2022	<40		<40		
6/20/2023					
6/21/2023	<40		<40		<40
6/22/2023		55		<40	
12/12/2023					
12/13/2023			<40	<40	<40
12/14/2023					
6/25/2024					<40
6/26/2024		<40			
6/27/2024			<40	<40	

Non-Parametric ANOVA

Constituent: Nickel Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/18/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 107.3

Tabulated Chi-Squared value = 44.9 with 31 degrees of freedom at the 5% significance level.

There were 3 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 12.53

Adjusted Kruskal-Wallis statistic (H') = 107.3

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 1 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-13	0	87.38	No
GWC-12A	0	87.38	No
GWC-15 [Stats]	0	87.38	No
GWC-14A	60.08	87.38	No
GWC-14	0	96.72	No
GWC-12	0	87.38	No
GWC-10A	0	87.38	No
GWC-10	0	87.38	No
GWC-24	21	96.72	No
GWC-11	0	87.38	No
GWC-23	0	87.38	No
GWC-22	0	87.38	No
GWC-23A	0	87.38	No
GWC-19R	15.75	87.38	No
GWC-17	18.9	93.1	No
GWC-16A [Stats]	17.18	90.02	No
GWC-18	93.25	87.38	Yes
GWC-3	0	93.1	No
GWC-2	0	87.38	No
GWA-3	0	87.38	No
GWC-4	0	96.72	No
GWC-3A	0	87.38	No
GWA-1A	0	87.38	No
GWC-8	0	90.02	No
GWC-7	0	87.38	No
GWC-8A	0	87.38	No
GWC-9	0	87.38	No
GWC-6	0	87.38	No
GWC-5	0	87.38	No
GWC-4A	14.92	87.38	No

The critical (contrast) value was computed with 30 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Nickel (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-4A	GWC-3	GWA-3	GWC-10	GWA-2 (bg)	GWC-10A	GWA-1A	GWC-3A
12/18/2018	<20	<20	<20	<20	<20	<20	<20	<20	<20
12/19/2018									
12/20/2018									
6/10/2019								<20	
6/11/2019	<20				<20		<20		
6/12/2019		22	<20	<20		<20			<20
6/13/2019									
12/9/2019								<20	
12/10/2019	<20								
12/11/2019			<20	<20					<20
12/12/2019		<20				<20			
12/13/2019					<20		<20		
6/23/2020				<20		<20		<20	
6/24/2020	<20	<20							
6/25/2020			<20		<20		<20		<20
12/16/2020					<20		<20		
12/17/2020			<20	<20				<20	<20
12/18/2020	<20	<20				<20			
12/22/2020									
6/15/2021				<20					<20
6/16/2021	<20		<20		<20	<20	<20		
6/17/2021								<20	
6/18/2021		<20							
12/14/2021	<20					<20			
12/15/2021				<20					
12/16/2021		<20	<20		<20		<20	<20	<20
6/7/2022				<20					
6/8/2022		<20	<20		<20		<20	<20	<20
6/9/2022	<20					<20			
6/10/2022									
12/12/2022	<20								
12/13/2022						<20			<20
12/14/2022				<20				<20	
12/15/2022	<20	<20			<20		<20		
6/20/2023			<20						<20
6/21/2023				<20		<20			
6/22/2023	<20	<20			<20		<20	<20	
12/12/2023				<20	<20		<20		
12/13/2023	<20	<20				<20		<20	<20
12/14/2023									
6/25/2024		<20		<20					
6/26/2024			<20		<20		<20	<20	<20
6/27/2024	<20					<20			

Non-Parametric ANOVA

Constituent: Nickel (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-15[Stats]	GWC-23	GWC-9	GWC-18	GWC-22	GWC-7	GWC-5	GWC-19R	GWC-14A
12/18/2018									
12/19/2018	<20	<20	<20	<20	<20	<20	<20	<20	20
12/20/2018									
6/10/2019									
6/11/2019	<20								
6/12/2019				24				<20	21
6/13/2019		<20	<20		<20	<20	<20		
12/9/2019									
12/10/2019	<20			29.8				<20	
12/11/2019							<20		<20
12/12/2019		<20			<20	<20			
12/13/2019			<20						
6/23/2020									
6/24/2020		<20		<20	<20		<20	<20	22.2
6/25/2020	<20		<20			<20			
12/16/2020				<20				<20	23.6
12/17/2020	<20	<20							
12/18/2020			<20		<20	<20	<20		
12/22/2020									
6/15/2021		<20		<20	<20			<20	
6/16/2021	<20		<20			<20	<20		22.2
6/17/2021									
6/18/2021									
12/14/2021	<20	<20	<20		<20	<20	<20		
12/15/2021				33.7				<20	<20
12/16/2021									
6/7/2022		<20			<20			<40	
6/8/2022			<20	<40					
6/9/2022	<20					<20	<20		
6/10/2022									<20
12/12/2022									
12/13/2022		<20			<20	<20	<20		
12/14/2022									<20
12/15/2022	<20		<20	<20				<20	
6/20/2023									
6/21/2023			<20	<20	<20	<20	<20	<20	<20
6/22/2023	<20	<20							
12/12/2023		<20	<20		<20	<20	<20		
12/13/2023	<20			107					<20
12/14/2023								<20	
6/25/2024						<20	<20		
6/26/2024	<20	<20	<20		<20			<20	<20
6/27/2024				38.1					

Non-Parametric ANOVA

Constituent: Nickel (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-23A	GWC-12	GWC-16A[Stats]	GWC-6	GWC-11	GWC-8A	GWC-12A	GWC-13	GWC-2
12/18/2018									
12/19/2018	<20								
12/20/2018		<20	<20	<20	<20	<20	<20	<20	<20
6/10/2019									
6/11/2019									
6/12/2019		<20					<20		
6/13/2019	<20		<20	<20	<20	<20		<20	<20
12/9/2019									
12/10/2019		<20					<20		
12/11/2019				<20					<20
12/12/2019	<20		<20			<20		<20	
12/13/2019					<20				
6/23/2020			<20						<20
6/24/2020	<20					<20		<20	
6/25/2020		<20		<20	<20		<20		
12/16/2020					<20	<20	<20	<20	
12/17/2020	<20		<20						<20
12/18/2020				<20					
12/22/2020		<20							
6/15/2021	<20								
6/16/2021		<20	<20	<20	<20		<20	<20	<20
6/17/2021						<20			
6/18/2021									
12/14/2021	<20	<20		<20	<20		<20		
12/15/2021									
12/16/2021			<20			<20		<20	<20
6/7/2022	<20								
6/8/2022		<20			<20		<20		<20
6/9/2022				<20				<20	
6/10/2022			<40			<20			
12/12/2022									
12/13/2022	<20	<20			<20		<20	<20	<20
12/14/2022						<20			
12/15/2022			<20	<20					
6/20/2023									<20
6/21/2023		<20		<20	<20		<20	<20	
6/22/2023	<20					<20			
12/12/2023	<20				<20				<20
12/13/2023		<20	<20	<20			<20	<20	
12/14/2023						<20			
6/25/2024		<20		<20			<20		
6/26/2024	<20				<20			<20	<20
6/27/2024			<20			<20			

Non-Parametric ANOVA

Constituent: Nickel (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-17	GWC-14	GWC-24	GWC-8	GWC-4
12/18/2018					
12/19/2018					
12/20/2018	<20				
6/10/2019					
6/11/2019					
6/12/2019		<20	<20		
6/13/2019	<20			<20	
12/9/2019					
12/10/2019			<20		
12/11/2019	<20	<20			
12/12/2019				<20	
12/13/2019					
6/23/2020					
6/24/2020	<20			<20	<20
6/25/2020		<20	<20		
12/16/2020	<20				
12/17/2020				<20	
12/18/2020		<20			<20
12/22/2020					
6/15/2021	<20		<20		
6/16/2021		<20			
6/17/2021				<20	<20
6/18/2021					
12/14/2021					
12/15/2021	<20				<20
12/16/2021		<20		<20	
6/7/2022					
6/8/2022			<40		
6/9/2022					<20
6/10/2022	<40	<20		<20	
12/12/2022					
12/13/2022					<20
12/14/2022				<20	
12/15/2022	<20		<20		
6/20/2023					
6/21/2023	<20		<20		<20
6/22/2023		<20		<20	
12/12/2023					
12/13/2023			<20	<20	<20
12/14/2023					
6/25/2024					<20
6/26/2024		<20			
6/27/2024			<20	<20	

Non-Parametric ANOVA

Constituent: Tetrachloroethene Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 353.2

Tabulated Chi-Squared value = 47.3 with 33 degrees of freedom at the 5% significance level.

There were 1 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 57.09

Adjusted Kruskal-Wallis statistic (H') = 353.2

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 2 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-13	0	95.16	No
GWC-12A	0	95.16	No
GWC-14	0	98.04	No
GWC-14A	0	95.16	No
GWC-12	0	95.16	No
GWC-10A	0	95.16	No
GWC-10	0	95.16	No
GWC-24	0	95.16	No
GWC-11	0	95.16	No
GWC-14R	0	95.16	No
GWC-23	0	95.16	No
GWC-22	0	95.16	No
GWC-23A	0	95.16	No
GWC-19R	0	95.16	No
GWC-16A [Stats]	16.21	95.16	No
GWC-15 [Stats]	173.3	95.16	Yes
GWC-17	0	98.04	No
GWC-9	0	98.04	No
GWC-2	0	95.16	No
GWA-3	0	95.16	No
GWC-3A	0	95.16	No
GWC-4	0	105.3	No
GWA-1A	0	95.16	No
GWC-4A	0	95.16	No
GWC-8A	0	95.16	No
GWC-8	0	95.16	No
GWC-7	0	95.16	No
GWC-8R	0	95.16	No
GWC-5	0	95.16	No
GWC-6	0	95.16	No
GWC-18	196.7	95.16	Yes

The critical (contrast) value was computed with 32 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Tetrachloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-10	GWC-4A	GWC-3A	GWC-3	GWA-3	GWA-2 (bg)	GWC-10A	GWC-7
12/17/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/18/2018									<2
12/19/2018									
6/10/2019	<2	<2						<2	
6/11/2019			<2	<2	<2	<2	<2		
6/12/2019									<2
6/13/2019									
12/9/2019	<2								
12/10/2019				<2	<2	<2			
12/11/2019			<2				<2		<2
12/12/2019		<2						<2	
6/22/2020						<2	<2		
6/23/2020	<2		<2						
6/24/2020		<2		<2	<2			<2	<2
6/25/2020									
12/15/2020		<2						<2	
12/16/2020				<2	<2	<2			
12/17/2020	<2		<2				<2		<2
6/14/2021				<2		<2			
6/15/2021	<2	<2			<2		<2	<2	<2
6/16/2021									
6/17/2021			<2						
12/13/2021	<2						<2		<2
12/14/2021						<2			
12/15/2021		<2	<2	<2	<2			<2	
12/16/2021									
6/6/2022						<2			
6/7/2022		<2		<2	<2			<2	
6/8/2022	<2		<2				<2		<2
6/9/2022									
12/12/2022	<2			<2	<2		<2		<2
12/13/2022						<2			
12/14/2022		<2	<2					<2	
12/15/2022	<2								
6/19/2023				<2	<2				
6/20/2023						<2	<2		<2
6/21/2023		<2	<2					<2	
6/22/2023	<2								
12/11/2023		<2				<2		<2	<2
12/12/2023	<2			<2			<2		
12/13/2023			<2						
6/24/2024			<2			<2			<2
6/25/2024		<2		<2	<2			<2	
6/26/2024	<2						<2		
6/27/2024									

Non-Parametric ANOVA

Constituent: Tetrachloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-19R	GWC-18	GWA-1A	GWC-5	GWC-22	GWC-9	GWC-23	GWC-23A	GWC-14A
12/17/2018									
12/18/2018	2	7	<2	<2	<2	<2	<2	<2	
12/19/2018									<2
6/10/2019			<2						
6/11/2019	<2	3.9							<2
6/12/2019				<2	<2	<2	<2	<2	
6/13/2019									
12/9/2019	<2	7.4	<2						
12/10/2019				<2					<2
12/11/2019					<2		<2	<2	
12/12/2019						<2			
6/22/2020									
6/23/2020	<2	5.7	<2	<2	<2				
6/24/2020						<2	<2	<2	<2
6/25/2020									
12/15/2020	<2	6.4							<2
12/16/2020							<2	<2	
12/17/2020			<2	<2	<2	<2			
6/14/2021	<2	3.1			<2		<2	<2	
6/15/2021				<2		<2			<2
6/16/2021									
6/17/2021			<2						
12/13/2021				<2	<2	<2	<2	<2	
12/14/2021	<2	3.4							<2
12/15/2021									
12/16/2021			<2						
6/6/2022	<2				<2		<2	<2	
6/7/2022		5.2				<2			
6/8/2022			<2	<2					
6/9/2022									<2
12/12/2022				<2	<2		<2	<2	
12/13/2022									<2
12/14/2022	<2	3.8	<2			<2			
12/15/2022									
6/19/2023									
6/20/2023	<2	2.9		<2	<2	<2			<2
6/21/2023							<2	<2	
6/22/2023			<2						
12/11/2023				<2	<2	<2	<2	<2	
12/12/2023		2.3							<2
12/13/2023	<2		<2						
6/24/2024				<2					
6/25/2024	<2				<2	<2	<2	<2	<2
6/26/2024		2.2	<2						
6/27/2024									

Non-Parametric ANOVA

Constituent: Tetrachloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-12A	GWC-2	GWC-12	GWC-15[Stats]	GWC-17	GWC-16A[Stats]	GWC-14R	GWC-8R	GWC-6
12/17/2018									
12/18/2018									
12/19/2018	<2	<2	<2	9.7	<2	<2	<2	<2	<2
6/10/2019									
6/11/2019	<2		<2	50					
6/12/2019		<2			<2		<2	<2	<2
6/13/2019						<2			
12/9/2019	<2		<2						
12/10/2019		<2		31	<2		<2		<2
12/11/2019						<2		<2	
12/12/2019									
6/22/2020		<2							
6/23/2020					<2	<2	<2	<2	
6/24/2020	<2		<2						<2
6/25/2020				48					
12/15/2020	<2		<2		<2			<2	
12/16/2020		<2							
12/17/2020				19		<2	<2		<2
6/14/2021					<2				
6/15/2021	<2	<2	<2						<2
6/16/2021				29		<2	<2	<2	
6/17/2021									
12/13/2021	<2		<2						<2
12/14/2021				12	<2		<2		
12/15/2021		<2						<2	
12/16/2021						<2			
6/6/2022									
6/7/2022	<2	<2	<2						
6/8/2022									<2
6/9/2022				42	<2	<2	<2	<2	
12/12/2022	<2	<2	<2						
12/13/2022							<2	<2	
12/14/2022					<2	<2			<2
12/15/2022				<2					
6/19/2023		<2							
6/20/2023	<2		<2		<2	3.2			<2
6/21/2023							<2	<2	
6/22/2023				<2					
12/11/2023		<2							
12/12/2023	<2		<2			<2	<2	<2	<2
12/13/2023				11					
6/24/2024	<2		<2						<2
6/25/2024		<2			<2	<2			
6/26/2024				52				<2	
6/27/2024							<2		

Non-Parametric ANOVA

Constituent: Tetrachloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-8A	GWC-11	GWC-13	GWC-8	GWC-24	GWC-14	GWC-4
12/17/2018							
12/18/2018							
12/19/2018	<2	<2	<2	<2	<2		
6/10/2019							
6/11/2019					<2	<2	
6/12/2019	<2	<2	<2	<2			
6/13/2019							
12/9/2019					<2		
12/10/2019						<2	
12/11/2019	<2		<2	<2			
12/12/2019		<2					
6/22/2020							
6/23/2020	<2		<2	<2			<2
6/24/2020		<2			<2	<2	
6/25/2020							
12/15/2020	<2	<2	<2		<2		
12/16/2020				<2			
12/17/2020						<2	<2
6/14/2021					<2		
6/15/2021		<2	<2			<2	
6/16/2021	<2			<2			<2
6/17/2021							
12/13/2021		<2					
12/14/2021					<2		<2
12/15/2021	<2		<2	<2		<2	
12/16/2021							
6/6/2022							
6/7/2022		<2			<2		
6/8/2022			<2				<2
6/9/2022	<2			<2		<2	
12/12/2022		<2	<2				<2
12/13/2022	<2			<2		<2	
12/14/2022					<2		
12/15/2022							
6/19/2023							
6/20/2023		<2	<2		<2		<2
6/21/2023	<2			<2		<2	
6/22/2023							
12/11/2023		<2					
12/12/2023			<2	<2	<2	<2	<2
12/13/2023	<2						
6/24/2024							<2
6/25/2024		<2	<2			<2	
6/26/2024	<2			<2	<2		
6/27/2024							

Non-Parametric ANOVA

Constituent: Trichloroethene Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 298.5

Tabulated Chi-Squared value = 47.3 with 33 degrees of freedom at the 5% significance level.

There were 6 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 61.82

Adjusted Kruskal-Wallis statistic (H') = 298.5

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 2 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-13	0	95.16	No
GWC-12A	0	95.16	No
GWC-12	0	95.16	No
GWC-14A	65.17	95.16	No
GWC-14	0	98.04	No
GWC-10A	0	95.16	No
GWC-24	0	95.16	No
GWC-10	0	95.16	No
GWC-11	0	95.16	No
GWC-15 [Stats]	175.8	95.16	Yes
GWC-23	0	95.16	No
GWC-22	0	95.16	No
GWC-23A	0	95.16	No
GWC-9	0	95.16	No
GWC-19R	0	95.16	No
GWC-17	0	98.04	No
GWC-16A [Stats]	0	95.16	No
GWC-18	47.71	95.16	No
GWC-3	0	98.04	No
GWC-2	0	95.16	No
GWA-3	0	95.16	No
GWC-3A	0	95.16	No
GWC-4	0	105.3	No
GWA-1A	0	95.16	No
GWC-4A	0	95.16	No
GWC-8A	0	95.16	No
GWC-8	0	95.16	No
GWC-7	0	95.16	No
GWC-8R	15.63	95.16	No
GWC-6	0	95.16	No
GWC-5	0	95.16	No
GWC-14R	199.5	95.16	Yes

The critical (contrast) value was computed with 32 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Trichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-10	GWC-4A	GWC-3A	GWC-3	GWA-3	GWA-2 (bg)	GWC-10A	GWC-7
12/17/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/18/2018									<2
12/19/2018									
6/10/2019	<2	<2						<2	
6/11/2019			<2	<2	<2	<2	<2		
6/12/2019									<2
6/13/2019									
12/9/2019	<2								
12/10/2019				<2	<2	<2			
12/11/2019			<2				<2		<2
12/12/2019		<2						<2	
6/22/2020						<2	<2		
6/23/2020	<2		<2						
6/24/2020		<2		<2	<2			<2	<2
6/25/2020									
12/15/2020		<2						<2	
12/16/2020				<2	<2	<2			
12/17/2020	<2		<2				<2		<2
6/14/2021				<2		<2			
6/15/2021	<2	<2			<2		<2	<2	<2
6/16/2021									
6/17/2021			<2						
12/13/2021	<2						<2		<2
12/14/2021						<2			
12/15/2021		<2	<2	<2	<2			<2	
12/16/2021									
6/6/2022						<2			
6/7/2022		<2		<2	<2			<2	
6/8/2022	<2		<2				<2		<2
6/9/2022									
12/12/2022	<2			<2	<2		<2		<2
12/13/2022						<2			
12/14/2022		<2	<2					<2	
12/15/2022	<2								
6/19/2023				<2	<2				
6/20/2023						<2	<2		<2
6/21/2023		<2	<2					<2	
6/22/2023	<2								
12/11/2023		<2				<2		<2	<2
12/12/2023	<2			<2			<2		
12/13/2023			<2						
6/24/2024			<2			<2			<2
6/25/2024		<2		<2	<2			<2	
6/26/2024	<2						<2		
6/27/2024									

Non-Parametric ANOVA

Constituent: Trichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-19R	GWC-18	GWA-1A	GWC-5	GWC-22	GWC-9	GWC-23	GWC-23A	GWC-14A
12/17/2018									
12/18/2018	<2	2.1	<2	<2	<2	<2	<2	<2	
12/19/2018									2.2
6/10/2019			<2						
6/11/2019	<2	<2							<2
6/12/2019				<2	<2	<2	<2	<2	
6/13/2019									
12/9/2019	<2	2.6	<2						
12/10/2019				<2					3.1
12/11/2019					<2		<2	<2	
12/12/2019						<2			
6/22/2020									
6/23/2020	<2	<2	<2	<2	<2				
6/24/2020						<2	<2	<2	<2
6/25/2020									
12/15/2020	<2	2.4							<2
12/16/2020							<2	<2	
12/17/2020			<2	<2	<2	<2			
6/14/2021	<2	<2			<2		<2	<2	
6/15/2021				<2		<2			<2
6/16/2021									
6/17/2021			<2						
12/13/2021				<2	<2	<2	<2	<2	
12/14/2021	<2	<2							<2
12/15/2021									
12/16/2021			<2						
6/6/2022	<2				<2		<2	<2	
6/7/2022		<2				<2			
6/8/2022			<2	<2					
6/9/2022									<2
12/12/2022				<2	<2		<2	<2	
12/13/2022									3.3
12/14/2022	<2	<2	<2			<2			
12/15/2022									
6/19/2023									
6/20/2023	<2	<2		<2	<2	<2			<2
6/21/2023							<2	<2	
6/22/2023			<2						
12/11/2023				<2	<2	<2	<2	<2	
12/12/2023		<2							2.6
12/13/2023	<2		<2						
6/24/2024				<2					
6/25/2024	<2				<2	<2	<2	<2	<2
6/26/2024		<2	<2						
6/27/2024									

Non-Parametric ANOVA

Constituent: Trichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-12A	GWC-2	GWC-12	GWC-15[Stats]	GWC-17	GWC-16A[Stats]	GWC-14R	GWC-8R	GWC-6
12/17/2018									
12/18/2018									
12/19/2018	<2	<2	<2	3.7	<2	<2	4.9	<2	<2
6/10/2019									
6/11/2019	<2		<2	70					
6/12/2019		<2			<2		4.7	<2	<2
6/13/2019						<2			
12/9/2019	<2		<2						
12/10/2019		<2		55	<2		4.3		<2
12/11/2019						<2		<2	
12/12/2019									
6/22/2020		<2							
6/23/2020					<2	<2	4.3	<2	
6/24/2020	<2		<2						<2
6/25/2020				90					
12/15/2020	<2		<2		<2			<2	
12/16/2020		<2							
12/17/2020				45		<2	3.9		<2
6/14/2021					<2				
6/15/2021	<2	<2	<2						<2
6/16/2021				71		<2	3.9	2.1	
6/17/2021									
12/13/2021	<2		<2						<2
12/14/2021				48	<2		2.8		
12/15/2021		<2						<2	
12/16/2021						<2			
6/6/2022									
6/7/2022	<2	<2	<2						
6/8/2022									<2
6/9/2022				65	<2	<2	2.8	<2	
12/12/2022	<2	<2	<2						
12/13/2022							3	<2	
12/14/2022					<2	<2			<2
12/15/2022				<2					
6/19/2023		<2							
6/20/2023	<2		<2		<2	<2			<2
6/21/2023							2.3	<2	
6/22/2023				<2					
12/11/2023		<2							
12/12/2023	<2		<2			<2	2.6	<2	<2
12/13/2023				88					
6/24/2024	<2		<2						<2
6/25/2024		<2			<2	<2			
6/26/2024				79				<2	
6/27/2024							2.5		

Non-Parametric ANOVA

Constituent: Trichloroethene (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-8A	GWC-11	GWC-13	GWC-8	GWC-24	GWC-14	GWC-4
12/17/2018							
12/18/2018							
12/19/2018	<2	<2	<2	<2	<2		
6/10/2019							
6/11/2019					<2	<2	
6/12/2019	<2	<2	<2	<2			
6/13/2019							
12/9/2019					<2		
12/10/2019						<2	
12/11/2019	<2		<2	<2			
12/12/2019		<2					
6/22/2020							
6/23/2020	<2		<2	<2			<2
6/24/2020		<2			<2	<2	
6/25/2020							
12/15/2020	<2	<2	<2		<2		
12/16/2020				<2			
12/17/2020						<2	<2
6/14/2021					<2		
6/15/2021		<2	<2			<2	
6/16/2021	<2			<2			<2
6/17/2021							
12/13/2021		<2					
12/14/2021					<2		<2
12/15/2021	<2		<2	<2		<2	
12/16/2021							
6/6/2022							
6/7/2022		<2			<2		
6/8/2022			<2				<2
6/9/2022	<2			<2		<2	
12/12/2022		<2	<2				<2
12/13/2022	<2			<2		<2	
12/14/2022					<2		
12/15/2022							
6/19/2023							
6/20/2023		<2	<2		<2		<2
6/21/2023	<2			<2		<2	
6/22/2023							
12/11/2023		<2					
12/12/2023			<2	<2	<2	<2	<2
12/13/2023	<2						
6/24/2024							<2
6/25/2024		<2	<2			<2	
6/26/2024	<2			<2	<2		
6/27/2024							

Non-Parametric ANOVA

Constituent: Vinyl chloride Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/17/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 401.9

Tabulated Chi-Squared value = 47.3 with 33 degrees of freedom at the 5% significance level.

There were 3 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 34.84

Adjusted Kruskal-Wallis statistic (H') = 401.9

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 1 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-14	0	98.04	No
GWC-13	0	95.16	No
GWC-12A	0	95.16	No
GWC-15 [Stats]	0	95.16	No
GWC-14R	0	95.16	No
GWC-11	0	95.16	No
GWC-10A	0	95.16	No
GWC-24	0	95.16	No
GWC-10	0	95.16	No
GWC-12	0	95.16	No
GWC-23	0	95.16	No
GWC-22	0	95.16	No
GWC-23A	0	95.16	No
GWC-19R	0	95.16	No
GWC-17	0	98.04	No
GWC-16A [Stats]	0	95.16	No
GWC-18	0	95.16	No
GWC-3A	0	95.16	No
GWC-3	0	98.04	No
GWC-2	0	95.16	No
GWC-4A	0	95.16	No
GWC-4	0	105.3	No
GWA-1A	0	95.16	No
GWA-3	0	95.16	No
GWC-8R	0	95.16	No
GWC-8A	0	95.16	No
GWC-8	0	95.16	No
GWC-9	0	95.16	No
GWC-6	0	95.16	No
GWC-5	0	95.16	No
GWC-7	0	95.16	No
GWC-14A	201.5	95.16	Yes

The critical (contrast) value was computed with 32 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Vinyl chloride (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-10	GWC-4A	GWC-3A	GWC-3	GWA-3	GWA-2 (bg)	GWC-10A	GWC-7
12/17/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/18/2018									<2
12/19/2018									
6/10/2019	<2	<2						<2	
6/11/2019			<2	<2	<2	<2	<2		
6/12/2019									<2
6/13/2019									
12/9/2019	<2								
12/10/2019				<2	<2	<2			
12/11/2019			<2				<2		<2
12/12/2019		<2						<2	
6/22/2020						<2	<2		
6/23/2020	<2		<2						
6/24/2020		<2		<2	<2			<2	<2
6/25/2020									
12/15/2020		<2						<2	
12/16/2020				<2	<2	<2			
12/17/2020	<2		<2				<2		<2
6/14/2021				<2		<2			
6/15/2021	<2	<2			<2		<2	<2	<2
6/16/2021									
6/17/2021			<2						
12/13/2021	<2						<2		<2
12/14/2021						<2			
12/15/2021		<2	<2	<2	<2			<2	
12/16/2021									
6/6/2022						<2			
6/7/2022		<2		<2	<2			<2	
6/8/2022	<2		<2				<2		<2
6/9/2022									
12/12/2022	<2			<2	<2		<2		<2
12/13/2022						<2			
12/14/2022		<2	<2					<2	
12/15/2022	<2								
6/19/2023				<2	<2				
6/20/2023						<2	<2		<2
6/21/2023		<2	<2					<2	
6/22/2023	<2								
12/11/2023		<2				<2		<2	<2
12/12/2023	<2			<2			<2		
12/13/2023			<2						
6/24/2024			<2			<2			<2
6/25/2024		<2		<2	<2			<2	
6/26/2024	<2						<2		
6/27/2024									

Non-Parametric ANOVA

Constituent: Vinyl chloride (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-19R	GWC-18	GWA-1A	GWC-5	GWC-22	GWC-9	GWC-23	GWC-23A	GWC-14A
12/17/2018									
12/18/2018	<2	<2	<2	<2	<2	<2	<2	<2	
12/19/2018									4.9
6/10/2019			<2						
6/11/2019	<2	<2							4.3
6/12/2019				<2	<2	<2	<2	<2	
6/13/2019									
12/9/2019	<2	<2	<2						
12/10/2019				<2					4
12/11/2019					<2		<2	<2	
12/12/2019						<2			
6/22/2020									
6/23/2020	<2	<2	<2	<2	<2				
6/24/2020						<2	<2	<2	7.5
6/25/2020									
12/15/2020	<2	<2							11
12/16/2020							<2	<2	
12/17/2020			<2	<2	<2	<2			
6/14/2021	<2	<2			<2		<2	<2	
6/15/2021				<2		<2			12
6/16/2021									
6/17/2021			<2						
12/13/2021				<2	<2	<2	<2	<2	
12/14/2021	<2	<2							19
12/15/2021									
12/16/2021			<2						
6/6/2022	<2				<2		<2	<2	
6/7/2022		<2				<2			
6/8/2022			<2	<2					
6/9/2022									19
12/12/2022				<2	<2		<2	<2	
12/13/2022									14
12/14/2022	<2	<2	<2			<2			
12/15/2022									
6/19/2023									
6/20/2023	<2	<2		<2	<2	<2			16
6/21/2023							<2	<2	
6/22/2023			<2						
12/11/2023				<2	<2	<2	<2	<2	
12/12/2023		<2							16
12/13/2023	<2		<2						
6/24/2024				<2					
6/25/2024	<2				<2	<2	<2	<2	27
6/26/2024		<2	<2						
6/27/2024									

Non-Parametric ANOVA

Constituent: Vinyl chloride (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-12A	GWC-2	GWC-12	GWC-15[Stats]	GWC-17	GWC-16A[Stats]	GWC-14R	GWC-8R	GWC-6
12/17/2018									
12/18/2018									
12/19/2018	<2	<2	<2	<2	<2	<2	<2	<2	<2
6/10/2019									
6/11/2019	<2		<2	<2					
6/12/2019		<2			<2		<2	<2	<2
6/13/2019						<2			
12/9/2019	<2		<2						
12/10/2019		<2		<2	<2		<2		<2
12/11/2019						<2		<2	
12/12/2019									
6/22/2020		<2							
6/23/2020					<2	<2	<2	<2	
6/24/2020	<2		<2						<2
6/25/2020				<2					
12/15/2020	<2		<2		<2			<2	
12/16/2020		<2							
12/17/2020				<2		<2	<2		<2
6/14/2021					<2				
6/15/2021	<2	<2	<2						<2
6/16/2021				<2		<2	<2	<2	
6/17/2021									
12/13/2021	<2		<2						<2
12/14/2021				<2	<2		<2		
12/15/2021		<2						<2	
12/16/2021						<2			
6/6/2022									
6/7/2022	<2	<2	<2						
6/8/2022									<2
6/9/2022				<2	<2	<2	<2	<2	
12/12/2022	<2	<2	<2						
12/13/2022							<2	<2	
12/14/2022					<2	<2			<2
12/15/2022				<2					
6/19/2023		<2							
6/20/2023	<2		<2		<2	<2			<2
6/21/2023							<2	<2	
6/22/2023				<2					
12/11/2023		<2							
12/12/2023	<2		<2			<2	<2	<2	<2
12/13/2023				<2					
6/24/2024	<2		<2						<2
6/25/2024		<2			<2	<2			
6/26/2024				<2				<2	
6/27/2024							<2		

Non-Parametric ANOVA

Constituent: Vinyl chloride (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-8A	GWC-11	GWC-13	GWC-8	GWC-24	GWC-14	GWC-4
12/17/2018							
12/18/2018							
12/19/2018	<2	<2	<2	<2	<2		
6/10/2019							
6/11/2019					<2	<2	
6/12/2019	<2	<2	<2	<2			
6/13/2019							
12/9/2019					<2		
12/10/2019						<2	
12/11/2019	<2		<2	<2			
12/12/2019		<2					
6/22/2020							
6/23/2020	<2		<2	<2			<2
6/24/2020		<2			<2	<2	
6/25/2020							
12/15/2020	<2	<2	<2		<2		
12/16/2020				<2			
12/17/2020						<2	<2
6/14/2021					<2		
6/15/2021		<2	<2			<2	
6/16/2021	<2			<2			<2
6/17/2021							
12/13/2021		<2					
12/14/2021					<2		<2
12/15/2021	<2		<2	<2		<2	
12/16/2021							
6/6/2022							
6/7/2022		<2			<2		
6/8/2022			<2				<2
6/9/2022	<2			<2		<2	
12/12/2022		<2	<2				<2
12/13/2022	<2			<2		<2	
12/14/2022					<2		
12/15/2022							
6/19/2023							
6/20/2023		<2	<2		<2		<2
6/21/2023	<2			<2		<2	
6/22/2023							
12/11/2023		<2					
12/12/2023			<2	<2	<2	<2	<2
12/13/2023	<2						
6/24/2024							<2
6/25/2024		<2	<2			<2	
6/26/2024	<2			<2	<2		
6/27/2024							

Non-Parametric ANOVA

Constituent: Zinc Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

For observations made between 12/18/2018 and 6/27/2024, the non-parametric analysis of variance test indicates a DIFFERENCE between the medians of the groups tested at the 5% significance level. Because the calculated Kruskal-Wallis statistic is greater than the Chi-squared value, we conclude that at least one group has a significantly different median concentration of this constituent when compared to another group.

Calculated Kruskal-Wallis statistic = 128.4

Tabulated Chi-Squared value = 44.9 with 31 degrees of freedom at the 5% significance level.

There were 12 groups of ties in the data, consequently the Kruskal-Wallis statistic (H) was adjusted. The adjusted statistic (H') was utilized to determine if the medians were equal.

Kruskal-Wallis statistic (H) = 70.93

Adjusted Kruskal-Wallis statistic (H') = 128.4

The contrast test was performed to determine if any compliance group concentration was significantly higher than the background concentration. The contrast test indicates statistical significance in 1 of the compliance wells.

Contrast table:

Well	Difference	Contrast	Significant?
GWC-10	-26.97	87.38	No
GWC-14	-10.97	96.72	No
GWC-13	-78.93	87.38	No
GWC-12A	-105.1	87.38	No
GWC-14A	-90.64	87.38	No
GWC-15[Stats]	-91.22	87.38	No
GWC-11	-40.68	87.38	No
GWC-10A	-48.39	87.38	No
GWC-24	-87.03	96.72	No
GWC-12	-105.1	87.38	No
GWC-16A[Stats]	-87.5	90.02	No
GWC-23	-89.1	87.38	No
GWC-22	-105.1	87.38	No
GWC-23A	-89.39	87.38	No
GWC-19R	-89.22	87.38	No
GWC-17	-71.24	93.1	No
GWC-18	-73.97	87.38	No
GWC-4A	-41.81	87.38	No
GWC-3A	-29.93	87.38	No
GWC-3	-88.24	93.1	No
GWA-1A	-105.1	87.38	No
GWC-5	-59.31	96.72	No
GWC-2	-48.06	87.38	No
GWA-3	-74.64	87.38	No
GWC-6	-86.31	87.38	No
GWC-8A	-87.76	87.38	No
GWC-8	-105.1	90.02	No
GWC-7	-13.18	87.38	No
GWC-9	107	87.38	Yes

The critical (contrast) value was computed with 30 degrees of freedom and a 1% error level for each well comparison.

Non-parametric test used in lieu of parametric ANOVA because censored data exceeded 75%.

Non-Parametric ANOVA

Constituent: Zinc (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWC-4A	GWC-3	GWA-3	GWC-10	GWA-2 (bg)	GWC-10A	GWA-1A	GWC-3A
12/18/2018	44	<20	<20	<20	22	<20	38	<20	<20
12/19/2018									
12/20/2018									
6/10/2019								<20	
6/11/2019	42				24		<20		
6/12/2019		23	<20	<20		30			24
6/13/2019									
12/9/2019								<20	
12/10/2019	30.4								
12/11/2019			<20	71.5					28.8
12/12/2019		50				25.9			
12/13/2019					86.4		31.2		
6/23/2020				20.3		<20		<20	
6/24/2020	30.7	<20							
6/25/2020			<20		27.9		<20		33.1
12/16/2020					<20		<20		
12/17/2020			<20	<20				<20	<20
12/18/2020	21.1	<20				<20			
12/22/2020									
6/15/2021				<20					20.6
6/16/2021	21.6		<20		<20	<20	<20		
6/17/2021								<20	
6/18/2021		<20							
12/14/2021	22.3					<20			
12/15/2021				<20					
12/16/2021		<20	<20		<20		<20	<20	<20
6/7/2022				<20					
6/8/2022		24.5	25.1		<20		<20	<20	<20
6/9/2022	30.8					<20			
6/10/2022									
12/12/2022	<20								
12/13/2022						<20			<20
12/14/2022				<20				<20	
12/15/2022	20.5	<20			<20		21.6		
6/20/2023			<20						<20
6/21/2023				<20		<20			
6/22/2023	20.5	57			<20		21.3	<20	
12/12/2023				<20	<20		<20		
12/13/2023	30.1	<20				<20		<20	<20
12/14/2023									
6/25/2024		<20		<20					
6/26/2024			<20		48.4		<20	<20	68.7
6/27/2024	25.5					40.6			

Non-Parametric ANOVA

Constituent: Zinc (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-15[Stats]	GWC-23	GWC-9	GWC-18	GWC-22	GWC-7	GWC-5	GWC-19R	GWC-14A
12/18/2018									
12/19/2018	<20	<20	38	26	<20	110	26	<20	<20
12/20/2018									
6/10/2019									
6/11/2019	<20								
6/12/2019				<20				<20	<20
6/13/2019		<20	60		<20	23	<20		
12/9/2019									
12/10/2019	<20			38.7				<20	
12/11/2019							38.3		<20
12/12/2019		<20			<20	42.2			
12/13/2019			78						
6/23/2020									
6/24/2020		<20		<20	<20		<20	<20	<20
6/25/2020	<20		45.9			<20			
12/16/2020				<20				<20	<20
12/17/2020	<20	<20							
12/18/2020			41.9		<20	<20	<20		
12/22/2020									
6/15/2021		<20		<20	<20			<20	
6/16/2021	<20		41.8			<20	<20		<20
6/17/2021									
6/18/2021									
12/14/2021	<20	<20	49.9		<20	<20	<20		
12/15/2021				<20				<20	26
12/16/2021									
6/7/2022		<20			<20			<20	
6/8/2022			68.7	<20					
6/9/2022	24.9					24	27.2		
6/10/2022									<20
12/12/2022									
12/13/2022		<20			<20	35.3	<20		
12/14/2022									<20
12/15/2022	<20		41.6	<20				<20	
6/20/2023									
6/21/2023			40.4	<20	<20	<20	<20	<20	<20
6/22/2023	<20	<20							
12/12/2023		34	48		<20	<20	<20		
12/13/2023	<20			<20					<20
12/14/2023								33.5	
6/25/2024						21.9	<20		
6/26/2024	<20	<20	48.1		<20			<20	<20
6/27/2024				<20					

Non-Parametric ANOVA

Constituent: Zinc (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-23A	GWC-12	GWC-16A[Stats]	GWC-6	GWC-11	GWC-8A	GWC-12A	GWC-13	GWC-2
12/18/2018									
12/19/2018	<20								
12/20/2018		<20	<20	<20	<20	42	<20	<20	23
6/10/2019									
6/11/2019									
6/12/2019		<20					<20		
6/13/2019	<20		<20	<20	34	<20		<20	28
12/9/2019									
12/10/2019		<20					<20		
12/11/2019				<20					25
12/12/2019	31.6		<20			<20		23.6	
12/13/2019					23.3				
6/23/2020			<20						27.8
6/24/2020	<20					<20		<20	
6/25/2020		<20		<20	40		<20		
12/16/2020					<20	<20	<20	<20	
12/17/2020	<20		<20						<20
12/18/2020				<20					
12/22/2020		<20							
6/15/2021	<20								
6/16/2021		<20	<20	79	<20		<20	<20	<20
6/17/2021						<20			
6/18/2021									
12/14/2021	<20	<20		<20	<20		<20		
12/15/2021									
12/16/2021			<20			<20		<20	<20
6/7/2022	<20								
6/8/2022		<20			<20		<20		<20
6/9/2022				<20				<20	
6/10/2022			34.1			<20			
12/12/2022									
12/13/2022	<20	<20			58.6		<20	<20	<20
12/14/2022						<20			
12/15/2022			<20	<20					
6/20/2023									<20
6/21/2023		<20		<20	<20		<20	<20	
6/22/2023	<20					<20			
12/12/2023	<20				<20				<20
12/13/2023		<20	<20	<20			<20	22.3	
12/14/2023						<20			
6/25/2024		<20		<20			<20		
6/26/2024	<20				<20			<20	<20
6/27/2024			<20			<20			

Non-Parametric ANOVA

Constituent: Zinc (ug/L) Analysis Run 8/4/2024 6:38 PM View: Interwell ANOVA
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWC-17	GWC-14	GWC-24	GWC-8	GWC-4
12/18/2018					
12/19/2018					
12/20/2018	27				
6/10/2019					
6/11/2019					
6/12/2019		<20	<20		
6/13/2019	24			<20	
12/9/2019					
12/10/2019			24		
12/11/2019	<20	27.7			
12/12/2019				<20	
12/13/2019					
6/23/2020					
6/24/2020	<20			<20	<20
6/25/2020		25.3	<20		
12/16/2020	<20				
12/17/2020				<20	
12/18/2020		<20			<20
12/22/2020					
6/15/2021	<20		<20		
6/16/2021		<20			
6/17/2021				<20	43.2
6/18/2021					
12/14/2021					
12/15/2021	<20				<20
12/16/2021		<20		<20	
6/7/2022					
6/8/2022			<20		
6/9/2022					39.4
6/10/2022	<20	22.1		<20	
12/12/2022					
12/13/2022					<20
12/14/2022				<20	
12/15/2022	<20		<20		
6/20/2023					
6/21/2023	<20		<20		<20
6/22/2023		21.9		<20	
12/12/2023					
12/13/2023			<20	<20	<20
12/14/2023					
6/25/2024					<20
6/26/2024		35.4			
6/27/2024			<20	<20	

Non-Parametric Tolerance Limit Test

Interwell Tolerance Limit - Significant Only

Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I Printed 8/4/2024, 5:02 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	PH1-GWC-2	2	6/27/2024	2.5	Yes	24	100	n/a	0.1087	NP Inter
1,1-Dichloroethane (ug/L)	PH1-GWC-3	2	6/25/2024	3.9	Yes	24	100	n/a	0.1087	NP Inter
1,1-Dichloroethane (ug/L)	PH1-GWC-3A	2	6/25/2024	2.9	Yes	24	100	n/a	0.1087	NP Inter
Barium (mg/L)	GWC-1	0.02	6/26/2024	0.0942	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWA-1	0.02	6/27/2024	0.0341	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWA-1A	0.02	6/26/2024	0.0201	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWA-2	0.02	6/27/2024	0.0472	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWB-1	0.02	6/27/2024	0.0353	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWC-1	0.02	6/27/2024	0.0358	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWC-2	0.02	6/27/2024	0.0312	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWC-3	0.02	6/26/2024	0.0256	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWC-3A	0.02	6/26/2024	0.0321	Yes	24	100	n/a	0.03394	NP Inter
Chromium (mg/L)	PH1-GWC-2	0.01	6/27/2024	0.0177	Yes	24	100	n/a	0.292	NP Inter
cis-1,2-Dichloroethene (ug/L)	PH1-GWA-2	2	6/26/2024	28	Yes	24	100	n/a	0.06673	NP Inter
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-2	2	6/27/2024	9.6	Yes	24	100	n/a	0.06673	NP Inter
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-3	2	6/25/2024	19	Yes	24	100	n/a	0.06673	NP Inter
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-3A	2	6/25/2024	22	Yes	24	100	n/a	0.06673	NP Inter
Cobalt (mg/L)	PH1-GWA-1	0.04	6/27/2024	0.0771	Yes	24	100	n/a	0.292	NP Inter
Tetrachloroethene (ug/L)	PH1-GWC-2	2	6/27/2024	2.5	Yes	24	100	n/a	0.1087	NP Inter
Tetrachloroethene (ug/L)	PH1-GWC-3	2	6/25/2024	7.3	Yes	24	100	n/a	0.1087	NP Inter
Tetrachloroethene (ug/L)	PH1-GWC-3A	2	6/25/2024	7.8	Yes	24	100	n/a	0.1087	NP Inter
Trichloroethene (ug/L)	PH1-GWC-2	2	6/27/2024	3.1	Yes	24	100	n/a	0.0827	NP Inter
Trichloroethene (ug/L)	PH1-GWC-3	2	6/25/2024	6.3	Yes	24	100	n/a	0.0827	NP Inter
Trichloroethene (ug/L)	PH1-GWC-3A	2	6/25/2024	6.8	Yes	24	100	n/a	0.0827	NP Inter

Interwell Tolerance Limit

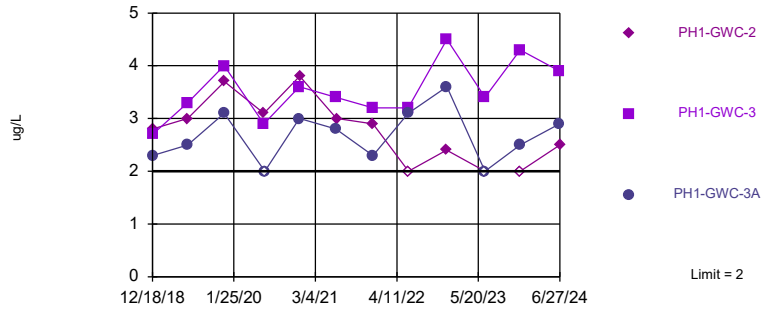
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I Printed 8/4/2024, 5:02 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
1,1-Dichloroethane (ug/L)	PH1-GWC-2	2	6/27/2024	2.5	Yes	24	100	n/a	0.1087	NP Inter
1,1-Dichloroethane (ug/L)	PH1-GWC-3	2	6/25/2024	3.9	Yes	24	100	n/a	0.1087	NP Inter
1,1-Dichloroethane (ug/L)	PH1-GWC-3A	2	6/25/2024	2.9	Yes	24	100	n/a	0.1087	NP Inter
Barium (mg/L)	GWC-1	0.02	6/26/2024	0.0942	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWA-1	0.02	6/27/2024	0.0341	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWA-1A	0.02	6/26/2024	0.0201	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWA-2	0.02	6/27/2024	0.0472	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWB-1	0.02	6/27/2024	0.0353	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWC-1	0.02	6/27/2024	0.0358	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWC-2	0.02	6/27/2024	0.0312	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWC-3	0.02	6/26/2024	0.0256	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWC-3A	0.02	6/26/2024	0.0321	Yes	24	100	n/a	0.03394	NP Inter
Barium (mg/L)	PH1-GWC-4	0.02	6/26/2024	<0.02	No	24	100	n/a	0.03394	NP Inter
Chromium (mg/L)	PH1-GWC-2	0.01	6/27/2024	0.0177	Yes	24	100	n/a	0.292	NP Inter
cis-1,2-Dichloroethene (ug/L)	PH1-GWA-1	2	6/26/2024	<2	No	24	100	n/a	0.06673	NP Inter
cis-1,2-Dichloroethene (ug/L)	PH1-GWA-2	2	6/26/2024	28	Yes	24	100	n/a	0.06673	NP Inter
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-2	2	6/27/2024	9.6	Yes	24	100	n/a	0.06673	NP Inter
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-3	2	6/25/2024	19	Yes	24	100	n/a	0.06673	NP Inter
cis-1,2-Dichloroethene (ug/L)	PH1-GWC-3A	2	6/25/2024	22	Yes	24	100	n/a	0.06673	NP Inter
Cobalt (mg/L)	PH1-GWA-1	0.04	6/27/2024	0.0771	Yes	24	100	n/a	0.292	NP Inter
Tetrachloroethene (ug/L)	PH1-GWC-2	2	6/27/2024	2.5	Yes	24	100	n/a	0.1087	NP Inter
Tetrachloroethene (ug/L)	PH1-GWC-3	2	6/25/2024	7.3	Yes	24	100	n/a	0.1087	NP Inter
Tetrachloroethene (ug/L)	PH1-GWC-3A	2	6/25/2024	7.8	Yes	24	100	n/a	0.1087	NP Inter
Trichloroethene (ug/L)	PH1-GWA-2	2	6/26/2024	<2	No	24	100	n/a	0.0827	NP Inter
Trichloroethene (ug/L)	PH1-GWC-2	2	6/27/2024	3.1	Yes	24	100	n/a	0.0827	NP Inter
Trichloroethene (ug/L)	PH1-GWC-3	2	6/25/2024	6.3	Yes	24	100	n/a	0.0827	NP Inter
Trichloroethene (ug/L)	PH1-GWC-3A	2	6/25/2024	6.8	Yes	24	100	n/a	0.0827	NP Inter
Zinc (mg/L)	PH1-GWA-1	0.0489	6/27/2024	0.0399	No	24	95.83	n/a	0.1586	NP Inter
Zinc (mg/L)	PH1-GWB-2	0.0489	6/27/2024	0.0284	No	24	95.83	n/a	0.1586	NP Inter

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Hollow symbols indicate censored values.

Exceeds Limit: PH1-GWC-2, PH1-GWC-3,
PH1-GWC-3A

Tolerance Limit
Interwell Non-parametric



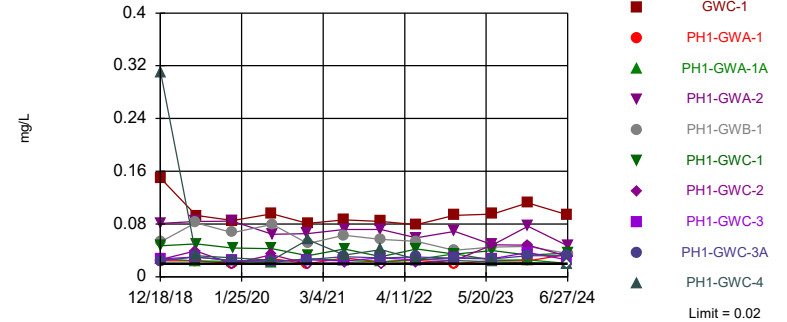
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 24 background values. 100% NDs. 82.62% coverage at alpha=0.01; 88.09% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.292.

Constituent: 1,1-Dichloroethane Analysis Run 8/4/2024 4:59 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

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Hollow symbols indicate censored values.

Exceeds Limit: GWC-1, PH1-GWA-1, PH1-GWA-1A, PH1-GWA-2, PH1-GWB-1...

Tolerance Limit
Interwell Non-parametric



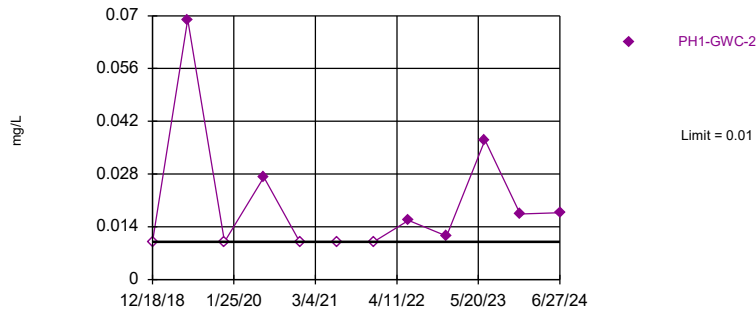
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 24 background values. 100% NDs. 82.62% coverage at alpha=0.01; 88.09% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.292.

Constituent: Barium Analysis Run 8/4/2024 4:59 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

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Hollow symbols indicate censored values.

Exceeds Limit: PH1-GWC-2

Tolerance Limit
Interwell Non-parametric



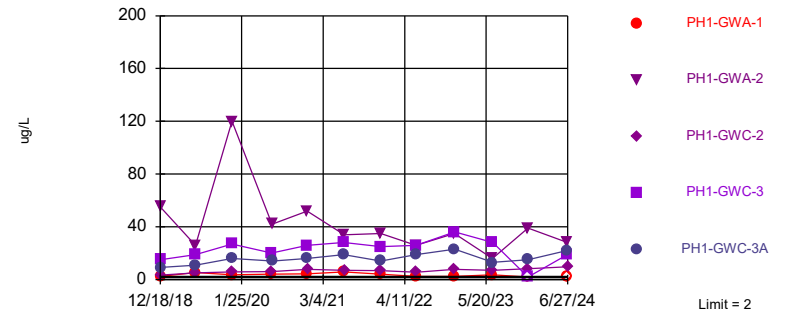
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 24 background values. 100% NDs. 82.62% coverage at alpha=0.01; 88.09% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.292.

Constituent: Chromium Analysis Run 8/4/2024 4:59 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

Sanitas™ v.10.0.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit: PH1-GWA-2, PH1-GWC-2,
PH1-GWC-3, PH1-GWC-3A

Tolerance Limit
Interwell Non-parametric

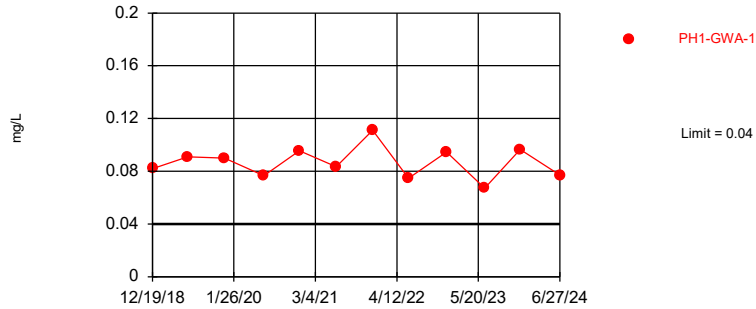


NP test selected by user. Most recent observation is compared with limit. Limit is highest of 24 background values. 100% NDs. 82.62% coverage at alpha=0.01; 88.09% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.292.

Constituent: cis-1,2-Dichloroethene Analysis Run 8/4/2024 4:59 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

Exceeds Limit: PH1-GWA-1

Tolerance Limit Interwell Non-parametric



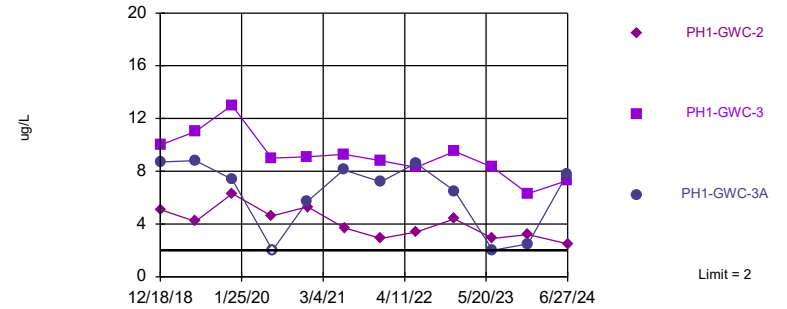
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 24 background values. 100% NDs. 82.62% coverage at alpha=0.01; 88.09% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.292.

Constituent: Cobalt Analysis Run 8/4/2024 4:59 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

Hollow symbols indicate censored values.

Exceeds Limit: PH1-GWC-2, PH1-GWC-3, PH1-GWC-3A

Tolerance Limit Interwell Non-parametric



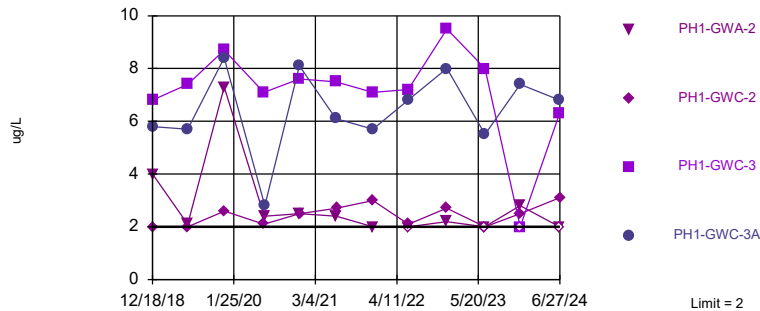
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 24 background values. 100% NDs. 82.62% coverage at alpha=0.01; 88.09% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.292.

Constituent: Tetrachloroethene Analysis Run 8/4/2024 4:59 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

Hollow symbols indicate censored values.

Exceeds Limit: PH1-GWC-2, PH1-GWC-3, PH1-GWC-3A

Tolerance Limit Interwell Non-parametric



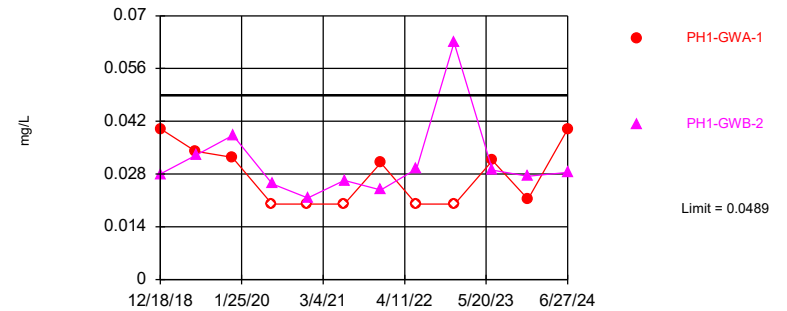
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 24 background values. 100% NDs. 82.62% coverage at alpha=0.01; 88.09% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.292.

Constituent: Trichloroethene Analysis Run 8/4/2024 4:59 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

Hollow symbols indicate censored values.

Within Limit

Tolerance Limit Interwell Non-parametric



NP test selected by user. Most recent observation is compared with limit. Limit is highest of 24 background values. 95.83% NDs. 82.62% coverage at alpha=0.01; 88.09% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.292.

Constituent: Zinc Analysis Run 8/4/2024 4:59 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

Tolerance Limit

Constituent: 1,1-Dichloroethane (ug/L) Analysis Run 8/4/2024 5:02 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	PH1-GWC-2	PH1-GWC-3	PH1-GWA-4 (bg)	PH1-GWC-3A
12/17/2018	<2				
12/18/2018		2.8	2.7	<2	2.3
6/10/2019		3	3.3		2.5
6/11/2019				<2	
6/13/2019	<2				
12/9/2019			4	<2	3.1
12/10/2019		3.7			
12/12/2019	<2				
6/22/2020		3.1	2.9		
6/24/2020				<2	
6/25/2020	<2				
6/26/2020					<2
12/15/2020			3.6	<2	3
12/17/2020		3.8			
12/18/2020	<2				
6/14/2021			3.4		2.8
6/15/2021	<2				
6/16/2021				<2	
6/17/2021		3			
12/14/2021		2.9	3.2	<2	2.3
12/15/2021	<2				
6/6/2022	<2				
6/7/2022			3.2	<2	3.1
6/8/2022		<2			
12/12/2022	<2				
12/14/2022		2.4			
12/15/2022			4.5	<2	3.6
6/20/2023	<2				
6/22/2023		<2	3.4		<2
6/23/2023				<2	
12/12/2023				<2	
12/13/2023			4.3		2.5
12/14/2023	<2	<2			
6/25/2024	<2		3.9		2.9
6/26/2024				<2	
6/27/2024		2.5			

Tolerance Limit

Constituent: Barium (mg/L) Analysis Run 8/4/2024 5:02 PM View: Interwell NPTL
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	GWC-1	PH1-GWC-2	PH1-GWB-1	PH1-GWC-3	PH1-GWA-4 (bg)	PH1-GWA-2	PH1-GWA-1A	PH1-GWA-1
12/17/2018	<0.02								
12/18/2018		0.15	0.026	0.053					
12/19/2018					0.027	<0.02	0.081	0.027	0.024
12/20/2018									
6/10/2019			0.039						
6/11/2019					0.03			0.024	0.024
6/12/2019				0.082		<0.02	0.084		
6/13/2019	<0.02	0.093							
12/10/2019			<0.02		0.0247	<0.02	0.0842	0.0234	0.0203
12/11/2019		0.0852		0.067					
12/12/2019	<0.02								
6/22/2020			0.0336					0.0217	
6/23/2020		0.0953			0.0236				0.0277
6/25/2020	<0.02			0.0793		<0.02	0.0646		
12/16/2020					0.0256	<0.02	0.0655		<0.02
12/17/2020		0.0811	<0.02						
12/18/2020	<0.02			0.0505				0.0274	
6/15/2021	<0.02			0.0631	0.0243				
6/16/2021		0.0861						0.0248	0.0287
6/17/2021			0.0206			<0.02	0.0717		
12/14/2021				0.0568				0.0226	0.0228
12/15/2021	<0.02				0.0288	<0.02	0.0716		
12/16/2021		0.084							
12/17/2021			<0.02						
6/6/2022	<0.02								
6/7/2022									
6/8/2022		0.0791	0.0209	0.0537	0.0255	<0.02	0.059	0.0259	
6/9/2022									0.0253
6/10/2022									
12/12/2022	<0.02								
12/13/2022		0.0931		0.0401					
12/14/2022			0.0247						
12/15/2022					0.0292	<0.02	0.0689	0.0351	<0.02
6/20/2023	<0.02	0.0951							
6/21/2023				0.0451					0.0246
6/22/2023			0.0485		0.0276		0.0485	0.0254	
6/23/2023						<0.02			
12/12/2023		0.112						0.0256	
12/13/2023				0.046		<0.02			
12/14/2023	<0.02		0.0482		0.0368		0.0768		0.0243
6/25/2024	<0.02								
6/26/2024		0.0942			0.0256			0.0201	
6/27/2024			0.0312	0.0353		<0.02	0.0472		0.0341

Tolerance Limit

Constituent: Barium (mg/L) Analysis Run 8/4/2024 5:02 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWC-3A	PH1-GWC-4	PH1-GWC-1
12/17/2018			
12/18/2018			
12/19/2018	0.024		
12/20/2018		0.31	0.047
6/10/2019			
6/11/2019	0.03		
6/12/2019			
6/13/2019		0.032	0.05
12/10/2019	0.0249		
12/11/2019			
12/12/2019			0.0437
6/22/2020			
6/23/2020	0.0239	0.0252	0.0428
6/25/2020			
12/16/2020	0.0259		
12/17/2020			
12/18/2020		0.0564	0.0321
6/15/2021	0.0305		
6/16/2021			
6/17/2021		0.033	0.0421
12/14/2021			
12/15/2021	0.0285		
12/16/2021		0.0413	0.0306
12/17/2021			
6/6/2022			
6/7/2022		0.0266	
6/8/2022	0.0301		
6/9/2022			
6/10/2022			0.042
12/12/2022			
12/13/2022			
12/14/2022			
12/15/2022	0.0282		0.0343
6/20/2023		0.0226	0.0399
6/21/2023			
6/22/2023	0.0269		
6/23/2023			
12/12/2023			
12/13/2023			
12/14/2023	0.0319		0.0327
6/25/2024			
6/26/2024	0.0321	<0.02	
6/27/2024			0.0358

Tolerance Limit

Constituent: Chromium (mg/L) Analysis Run 8/4/2024 5:02 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	PH1-GWC-2	PH1-GWA-4 (bg)
12/17/2018	<0.01		
12/18/2018		<0.01	
12/19/2018			<0.01
6/10/2019		0.069	
6/12/2019			<0.01
6/13/2019	<0.01		
12/10/2019		<0.01	<0.01
12/12/2019	<0.01		
6/22/2020		0.0272	
6/25/2020	<0.01		<0.01
12/16/2020			<0.01
12/17/2020		<0.01	
12/18/2020	<0.01		
6/15/2021	<0.01		
6/17/2021		<0.01	<0.01
12/15/2021	<0.01		<0.01
12/17/2021		<0.01	
6/6/2022	<0.01		
6/8/2022		0.0157	<0.01
12/12/2022	<0.01		
12/14/2022		0.0115	
12/15/2022			<0.01
6/20/2023	<0.01		
6/22/2023		0.037	
6/23/2023			<0.01
12/13/2023			<0.01
12/14/2023	<0.01	0.0174	
6/25/2024	<0.01		
6/27/2024		0.0177	<0.01

Tolerance Limit

Constituent: cis-1,2-Dichloroethene (ug/L) Analysis Run 8/4/2024 5:02 PM View: Interwell NPTL
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	PH1-GWA-1	PH1-GWA-4 (bg)	PH1-GWC-2	PH1-GWC-3	PH1-GWC-3A	PH1-GWA-2
12/17/2018	<2						
12/18/2018		2.4	<2	3.3	15	9.2	55
6/10/2019		5.2		5.1	19	11	
6/11/2019			<2				26
6/13/2019	<2						
12/9/2019		3.7	<2		27	16	120
12/10/2019				5.7			
12/12/2019	<2						
6/22/2020		4		6	20		
6/24/2020			<2				42
6/25/2020	<2						
6/26/2020						14	
12/15/2020		4.3	<2		26	16	52
12/17/2020				7.8			
12/18/2020	<2						
6/14/2021					28	19	
6/15/2021	<2	5.8					
6/16/2021			<2				34
6/17/2021				7			
12/13/2021		4.1					
12/14/2021			<2	6.7	25	14	35
12/15/2021	<2						
6/6/2022	<2						
6/7/2022			<2		26	19	26
6/8/2022		2.3		5.6			
12/12/2022	<2						
12/14/2022		2.5		7.7			35
12/15/2022			<2		36	23	
6/20/2023	<2	3.7					
6/21/2023							16
6/22/2023				7	28	13	
6/23/2023			<2				
12/12/2023			<2				
12/13/2023		<2			<2	15	39
12/14/2023	<2			8.2			
6/25/2024	<2				19	22	
6/26/2024		<2	<2				28
6/27/2024				9.6			

Tolerance Limit

Constituent: Cobalt (mg/L) Analysis Run 8/4/2024 5:02 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	PH1-GWA-1	PH1-GWA-4 (bg)
12/17/2018	<0.04		
12/19/2018		0.082	<0.04
6/11/2019		0.091	
6/12/2019			<0.04
6/13/2019	<0.04		
12/10/2019		0.0901	<0.04
12/12/2019	<0.04		
6/23/2020		0.0766	
6/25/2020	<0.04		<0.04
12/16/2020		0.0956	<0.04
12/18/2020	<0.04		
6/15/2021	<0.04		
6/16/2021		0.0835	
6/17/2021			<0.04
12/14/2021		0.111	
12/15/2021	<0.04		<0.04
6/6/2022	<0.04		
6/8/2022			<0.04
6/9/2022		0.0747	
12/12/2022	<0.04		
12/15/2022		0.0947	<0.04
6/20/2023	<0.04		
6/21/2023		0.0672	
6/23/2023			<0.04
12/13/2023			<0.04
12/14/2023	<0.04	0.0966	
6/25/2024	<0.04		
6/27/2024		0.0771	<0.04

Tolerance Limit

Constituent: Tetrachloroethene (ug/L) Analysis Run 8/4/2024 5:02 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	PH1-GWC-2	PH1-GWC-3	PH1-GWA-4 (bg)	PH1-GWC-3A
12/17/2018	<2				
12/18/2018		5.1	10	<2	8.7
6/10/2019		4.2	11		8.8
6/11/2019				<2	
6/13/2019	<2				
12/9/2019			13	<2	7.4
12/10/2019		6.3			
12/12/2019	<2				
6/22/2020		4.6	9		
6/24/2020				<2	
6/25/2020	<2				
6/26/2020					<2
12/15/2020			9.1	<2	5.7
12/17/2020		5.3			
12/18/2020	<2				
6/14/2021			9.3		8.1
6/15/2021	<2				
6/16/2021				<2	
6/17/2021		3.7			
12/14/2021		2.9	8.8	<2	7.2
12/15/2021	<2				
6/6/2022	<2				
6/7/2022			8.3	<2	8.6
6/8/2022		3.4			
12/12/2022	<2				
12/14/2022		4.4			
12/15/2022			9.5	<2	6.5
6/20/2023	<2				
6/22/2023		2.9	8.3		2
6/23/2023				<2	
12/12/2023				<2	
12/13/2023			6.3		2.5
12/14/2023	<2	3.2			
6/25/2024	<2		7.3		7.8
6/26/2024				<2	
6/27/2024		2.5			

Tolerance Limit

Constituent: Trichloroethene (ug/L) Analysis Run 8/4/2024 5:02 PM View: Interwell NPPL
 Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	PH1-GWA-2	PH1-GWC-3	PH1-GWC-2	PH1-GWC-3A	PH1-GWA-4 (bg)
12/17/2018	<2					
12/18/2018		4	6.8	2	5.8	<2
6/10/2019			7.4	2	5.7	
6/11/2019		2.1				<2
6/13/2019	<2					
12/9/2019		7.3	8.7		8.4	<2
12/10/2019				2.6		
12/12/2019	<2					
6/22/2020			7.1	2.1		
6/24/2020		2.4				<2
6/25/2020	<2					
6/26/2020					2.8	
12/15/2020		2.5	7.6		8.1	<2
12/17/2020				2.5		
12/18/2020	<2					
6/14/2021			7.5		6.1	
6/15/2021	<2					
6/16/2021		2.4				<2
6/17/2021				2.7		
12/14/2021		2	7.1	3	5.7	<2
12/15/2021	<2					
6/6/2022	<2					
6/7/2022		<2	7.2		6.8	<2
6/8/2022				2.1		
12/12/2022	<2					
12/14/2022		2.2		2.7		
12/15/2022			9.5		8	<2
6/20/2023	<2					
6/21/2023		<2				
6/22/2023			8	<2	5.5	
6/23/2023						<2
12/12/2023						<2
12/13/2023		2.8	<2		7.4	
12/14/2023	<2			2.5		
6/25/2024	<2		6.3		6.8	
6/26/2024		<2				<2
6/27/2024				3.1		

Tolerance Limit

Constituent: Zinc (mg/L) Analysis Run 8/4/2024 5:02 PM View: Interwell NPTL
Hightower Road MSWLF Client: Forsyth County Data: Hightower Rd Ph I

	PH1-GWA-3A (bg)	PH1-GWB-2	PH1-GWA-1	PH1-GWA-4 (bg)
12/17/2018	<0.02			
12/18/2018		0.028		
12/19/2018			0.04	<0.02
6/11/2019			0.034	
6/12/2019				<0.02
6/13/2019	<0.02	0.033		
12/10/2019			0.0324	0.0489
12/12/2019	<0.02			
12/13/2019		0.0383		
6/23/2020			<0.02	
6/25/2020	<0.02	0.0254		<0.02
12/16/2020			<0.02	<0.02
12/18/2020	<0.02	0.0216		
6/15/2021	<0.02			
6/16/2021			<0.02	
6/17/2021		0.0263		<0.02
12/14/2021		0.0238	0.031	
12/15/2021	<0.02			<0.02
6/6/2022	<0.02			
6/8/2022				<0.02
6/9/2022			<0.02	
6/10/2022		0.0294		
12/12/2022	<0.02			
12/13/2022		0.0629		
12/15/2022			<0.02	<0.02
6/20/2023	<0.02			
6/21/2023		0.029	0.0316	
6/23/2023				<0.02
12/13/2023		0.0274		<0.02
12/14/2023	<0.02		0.0213	
6/25/2024	<0.02			
6/27/2024		0.0284	0.0399	<0.02

Interwell Tolerance Limit - Significant Only

Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:42 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	GWC-8R	2	6/26/2024	9	Yes	25	100	n/a	0.06291	NP Inter
1,1-Dichloroethane (ug/L)	GWC-14A	2	6/25/2024	13	Yes	25	100	n/a	0.06291	NP Inter
1,1-Dichloroethane (ug/L)	GWC-14R	2	6/27/2024	12	Yes	25	100	n/a	0.06291	NP Inter
1,1-Dichloroethane (ug/L)	GWC-15[St...	2	6/26/2024	48	Yes	25	100	n/a	0.06291	NP Inter
Barium (ug/L)	GWC-8A	39.5	6/27/2024	43.9	Yes	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-9	39.5	6/26/2024	62.5	Yes	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-14A	39.5	6/26/2024	150	Yes	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-15[St...	39.5	6/26/2024	74.6	Yes	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-18	39.5	6/27/2024	120	Yes	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-19R	39.5	6/26/2024	99.7	Yes	25	4	n/a	0.04535	NP Inter
Benzene (ug/L)	GWC-8A	2	6/26/2024	2.1	Yes	25	100	n/a	0.1026	NP Inter
Benzene (ug/L)	GWC-14A	2	6/25/2024	3.1	Yes	25	100	n/a	0.1026	NP Inter
Benzene (ug/L)	GWC-15[St...	2	6/26/2024	5.1	Yes	25	100	n/a	0.1026	NP Inter
Chlorobenzene (ug/L)	GWC-14A	10	6/25/2024	14	Yes	25	100	n/a	0.2774	NP Inter
Chloroethane (ug/L)	GWC-14A	2	6/25/2024	3.5	Yes	25	100	n/a	0.2774	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-8A	2	6/26/2024	29	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-8R	2	6/26/2024	31	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-14A	2	6/25/2024	57	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-14R	2	6/27/2024	21	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-15[St...	2	6/26/2024	140	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-18	2	6/26/2024	17	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-19R	2	6/25/2024	2.6	Yes	25	100	n/a	0.0398	NP Inter
Cobalt (ug/L)	GWC-14A	40	6/26/2024	200	Yes	25	100	n/a	0.1499	NP Inter
Nickel (ug/L)	GWC-18	20	6/27/2024	38.1	Yes	25	100	n/a	0.2774	NP Inter
Tetrachloroethene (ug/L)	GWC-15[St...	2	6/26/2024	52	Yes	25	100	n/a	0.1499	NP Inter
Tetrachloroethene (ug/L)	GWC-18	2	6/26/2024	2.2	Yes	25	100	n/a	0.1499	NP Inter
Trichloroethene (ug/L)	GWC-14R	2	6/27/2024	2.5	Yes	25	100	n/a	0.1499	NP Inter
Trichloroethene (ug/L)	GWC-15[St...	2	6/26/2024	79	Yes	25	100	n/a	0.1499	NP Inter
Vinyl chloride (ug/L)	GWC-14A	2	6/25/2024	27	Yes	25	100	n/a	0.2774	NP Inter
Zinc (ug/L)	GWC-9	44	6/26/2024	48.1	Yes	25	40	n/a	0.2774	NP Inter

Interwell Tolerance Limit

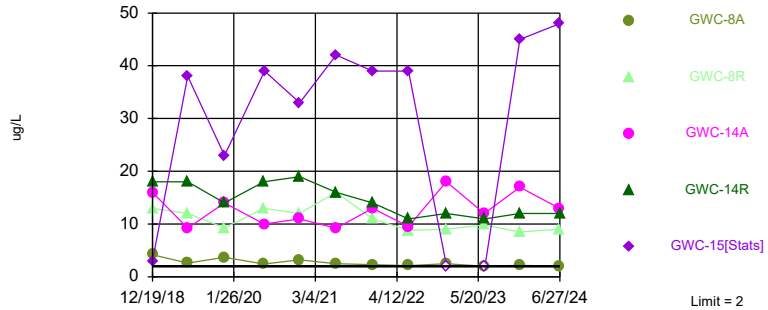
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV Printed 8/4/2024, 6:42 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
1,1-Dichloroethane (ug/L)	GWC-8A	2	6/26/2024	2	No	25	100	n/a	0.06291	NP Inter
1,1-Dichloroethane (ug/L)	GWC-8R	2	6/26/2024	9	Yes	25	100	n/a	0.06291	NP Inter
1,1-Dichloroethane (ug/L)	GWC-14A	2	6/25/2024	13	Yes	25	100	n/a	0.06291	NP Inter
1,1-Dichloroethane (ug/L)	GWC-14R	2	6/27/2024	12	Yes	25	100	n/a	0.06291	NP Inter
1,1-Dichloroethane (ug/L)	GWC-15[St...	2	6/26/2024	48	Yes	25	100	n/a	0.06291	NP Inter
Barium (ug/L)	GWC-7	39.5	6/25/2024	31.2	No	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-8A	39.5	6/27/2024	43.9	Yes	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-9	39.5	6/26/2024	62.5	Yes	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-14A	39.5	6/26/2024	150	Yes	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-15[St...	39.5	6/26/2024	74.6	Yes	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-18	39.5	6/27/2024	120	Yes	25	4	n/a	0.04535	NP Inter
Barium (ug/L)	GWC-19R	39.5	6/26/2024	99.7	Yes	25	4	n/a	0.04535	NP Inter
Benzene (ug/L)	GWC-8A	2	6/26/2024	2.1	Yes	25	100	n/a	0.1026	NP Inter
Benzene (ug/L)	GWC-14A	2	6/25/2024	3.1	Yes	25	100	n/a	0.1026	NP Inter
Benzene (ug/L)	GWC-15[St...	2	6/26/2024	5.1	Yes	25	100	n/a	0.1026	NP Inter
Chlorobenzene (ug/L)	GWC-14A	10	6/25/2024	14	Yes	25	100	n/a	0.2774	NP Inter
Chloroethane (ug/L)	GWC-14A	2	6/25/2024	3.5	Yes	25	100	n/a	0.2774	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-8A	2	6/26/2024	29	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-8R	2	6/26/2024	31	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-14A	2	6/25/2024	57	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-14R	2	6/27/2024	21	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-15[St...	2	6/26/2024	140	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-17	2	6/25/2024	<2	No	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-18	2	6/26/2024	17	Yes	25	100	n/a	0.0398	NP Inter
cis-1,2-Dichloroethene (ug/L)	GWC-19R	2	6/25/2024	2.6	Yes	25	100	n/a	0.0398	NP Inter
Cobalt (ug/L)	GWC-14	40	6/26/2024	<40	No	25	100	n/a	0.1499	NP Inter
Cobalt (ug/L)	GWC-14A	40	6/26/2024	200	Yes	25	100	n/a	0.1499	NP Inter
Nickel (ug/L)	GWC-18	20	6/27/2024	38.1	Yes	25	100	n/a	0.2774	NP Inter
Tetrachloroethene (ug/L)	GWC-15[St...	2	6/26/2024	52	Yes	25	100	n/a	0.1499	NP Inter
Tetrachloroethene (ug/L)	GWC-18	2	6/26/2024	2.2	Yes	25	100	n/a	0.1499	NP Inter
Trichloroethene (ug/L)	GWC-14R	2	6/27/2024	2.5	Yes	25	100	n/a	0.1499	NP Inter
Trichloroethene (ug/L)	GWC-15[St...	2	6/26/2024	79	Yes	25	100	n/a	0.1499	NP Inter
Vinyl chloride (ug/L)	GWC-14A	2	6/25/2024	27	Yes	25	100	n/a	0.2774	NP Inter
Zinc (ug/L)	GWC-9	44	6/26/2024	48.1	Yes	25	40	n/a	0.2774	NP Inter

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Hollow symbols indicate censored values.

Exceeds Limit: GWC-8R, GWC-14A, GWC-14R, GWC-15[Stats]

Tolerance Limit Interwell Non-parametric



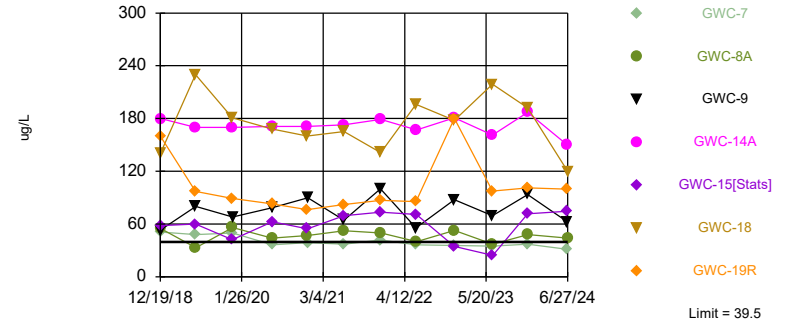
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 100% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: 1,1-Dichloroethane Analysis Run 8/4/2024 6:40 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Sanitas™ v.10.0.20 Sanitas software licensed to ACC. UG

Exceeds Limit: GWC-8A, GWC-9, GWC-14A, GWC-15[Stats], GWC-18, GWC-19R

Tolerance Limit Interwell Non-parametric



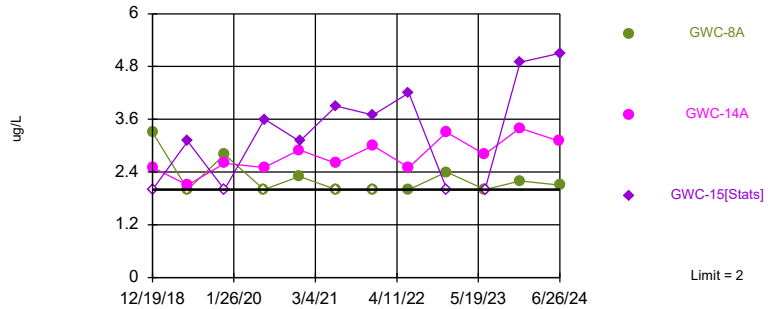
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 4% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: Barium Analysis Run 8/4/2024 6:40 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

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Hollow symbols indicate censored values.

Exceeds Limit: GWC-8A, GWC-14A, GWC-15[Stats]

Tolerance Limit Interwell Non-parametric



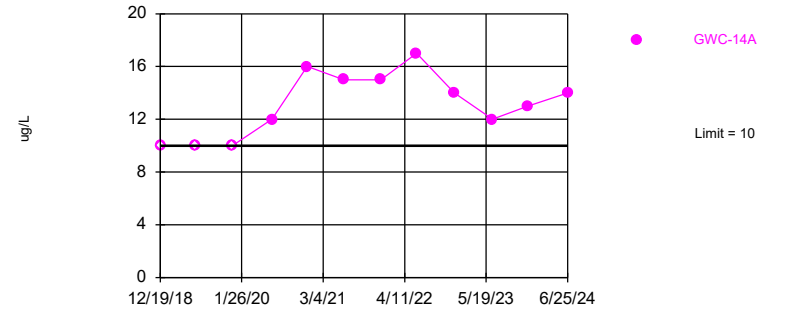
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 100% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: Benzene Analysis Run 8/4/2024 6:41 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Sanitas™ v.10.0.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit: GWC-14A

Tolerance Limit Interwell Non-parametric

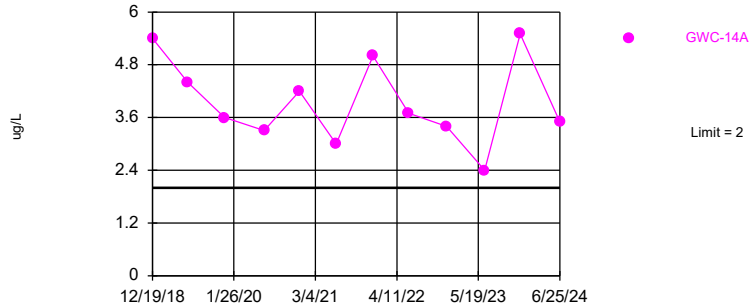


NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 100% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: Chlorobenzene Analysis Run 8/4/2024 6:41 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Exceeds Limit: GWC-14A

Tolerance Limit
Interwell Non-parametric



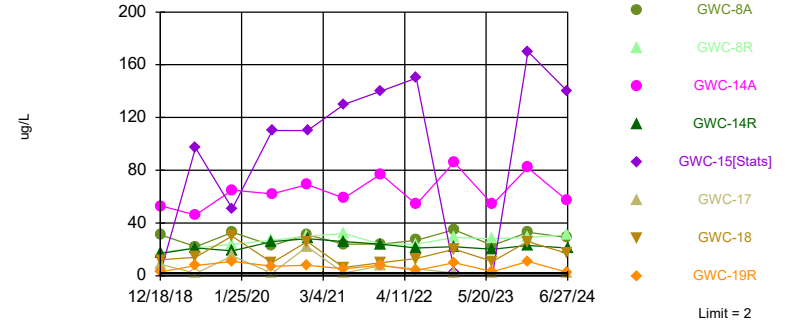
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 100% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: Chloroethane Analysis Run 8/4/2024 6:41 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Hollow symbols indicate censored values.

Exceeds Limit: GWC-8A, GWC-8R, GWC-14A, GWC-14R, GWC-15[Stats], GWC-18...

Tolerance Limit
Interwell Non-parametric



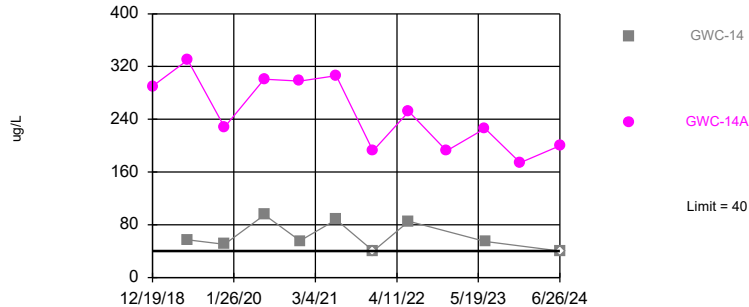
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 100% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: cis-1,2-Dichloroethene Analysis Run 8/4/2024 6:41 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Hollow symbols indicate censored values.

Exceeds Limit: GWC-14A

Tolerance Limit
Interwell Non-parametric



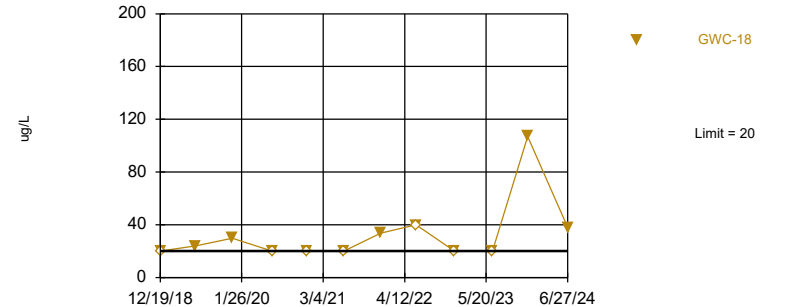
NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 100% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: Cobalt Analysis Run 8/4/2024 6:41 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Hollow symbols indicate censored values.

Exceeds Limit: GWC-18

Tolerance Limit
Interwell Non-parametric

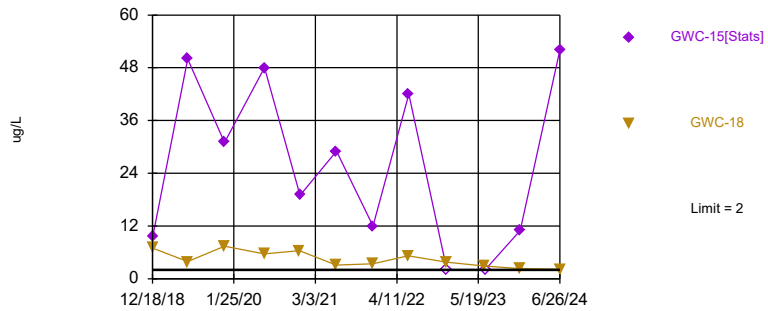


NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 100% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: Nickel Analysis Run 8/4/2024 6:41 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Exceeds Limit: GWC-15[Stats], GWC-18

Tolerance Limit Interwell Non-parametric

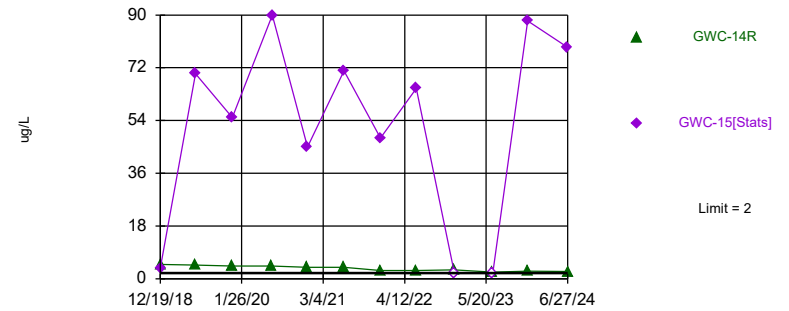


NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 100% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: Tetrachloroethene Analysis Run 8/4/2024 6:41 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Exceeds Limit: GWC-14R, GWC-15[Stats]

Tolerance Limit Interwell Non-parametric

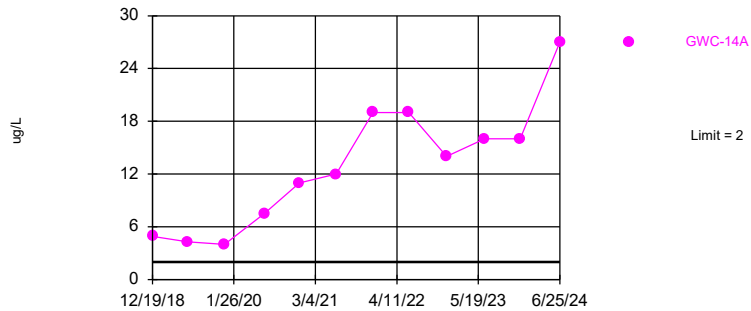


NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 100% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: Trichloroethene Analysis Run 8/4/2024 6:41 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Exceeds Limit: GWC-14A

Tolerance Limit Interwell Non-parametric

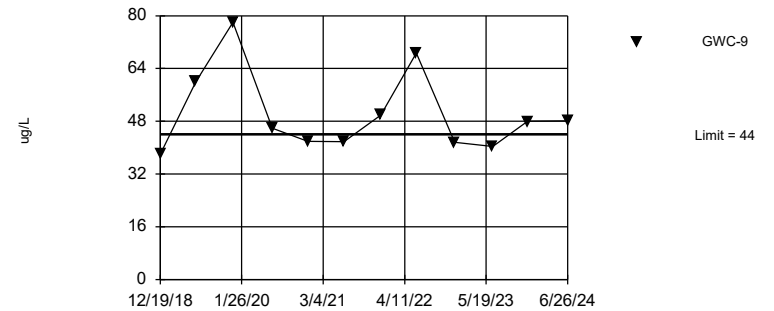


NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 100% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: Vinyl chloride Analysis Run 8/4/2024 6:41 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Exceeds Limit: GWC-9

Tolerance Limit Interwell Non-parametric



NP test selected by user. Most recent observation is compared with limit. Limit is highest of 25 background values. 40% NDs. 83.01% coverage at alpha=0.01; 88.87% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.2774.

Constituent: Zinc Analysis Run 8/4/2024 6:41 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

Tolerance Limit

Constituent: 1,1-Dichloroethane (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-8R	GWC-14A	GWC-14R	GWC-8A	GWC-15[Stats]
12/17/2018	<2	<2					
12/19/2018			13	16	18	4.2	3
6/10/2019	<2						
6/11/2019		<2		9.2			38
6/12/2019			12		18	2.6	
12/9/2019	<2						
12/10/2019				14	14		23
12/11/2019		<2	9.3			3.7	
6/22/2020		<2					
6/23/2020	<2		13		18	2.4	
6/24/2020				10			
6/25/2020							39
12/15/2020			12	11		3.2	
12/17/2020	<2	<2			19		33
6/15/2021	<2	<2		9.2			
6/16/2021			16		16	2.5	42
12/13/2021	<2	<2					
12/14/2021				13	14		39
12/15/2021			11			2.3	
6/8/2022	<2	<2					
6/9/2022			8.8	9.5	11	2.1	39
12/12/2022	<2	<2					
12/13/2022			9	18	12	2.5	
12/15/2022	<2						<2
6/20/2023		<2		12			
6/21/2023			9.8		11	<2	
6/22/2023	<2						<2
12/12/2023	<2	<2	8.5	17	12		
12/13/2023						2.2	45
6/25/2024				13			
6/26/2024	<2	<2	9			2	48
6/27/2024					12		

Tolerance Limit

Constituent: Barium (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-14A	GWC-15[Stats]	GWC-7	GWC-18	GWC-19R	GWC-9	GWC-8A
12/18/2018	28	32							
12/19/2018			180	58	51	140	160	53	
12/20/2018									55
6/11/2019	28			60					
6/12/2019		23	170			230	97		
6/13/2019					48			80	33
12/10/2019	20.9			42.3		181	89.2		
12/11/2019			170						
12/12/2019		39.5			49.9				56
12/13/2019								67.9	
6/23/2020		20							
6/24/2020	22.3		171			168	83		43.9
6/25/2020				62.7	36.4			78.5	
12/16/2020			171			160	76.5		46.8
12/17/2020				54.7					
12/18/2020	27	22			38.8			90	
6/15/2021						165	82.2		
6/16/2021	26.1	24.2	173	69.4	36.9			64.3	
6/17/2021									52.4
12/14/2021	24.1	24.9		73.4	41.8			100	
12/15/2021			179			141	87		
12/16/2021									49.7
6/7/2022							85.6		
6/8/2022						196		55.7	
6/9/2022	20.4	22.4		70.8	36.4				
6/10/2022			167						39.9
12/12/2022	<20								
12/13/2022		20.6			35.6				
12/14/2022			181						52.7
12/15/2022	27.7			34.4		178	180	87.8	
6/21/2023		22.6	161		34.8	219	97.4	69.6	
6/22/2023	23			24.4					36.9
12/12/2023					37.1			93.6	
12/13/2023	29.7	27.5	187	71.7		192			
12/14/2023							101		47.9
6/25/2024					31.2				
6/26/2024			150	74.6			99.7	62.5	
6/27/2024	23.2	21.6				120			43.9

Tolerance Limit

Constituent: Benzene (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-8A	GWC-14A	GWC-15[Stats]
12/17/2018	<2	<2			
12/19/2018			3.3	2.5	<2
6/10/2019	<2				
6/11/2019		<2		2.1	3.1
6/12/2019			<2		
12/9/2019	<2				
12/10/2019				2.6	<2
12/11/2019		<2	2.8		
6/22/2020		<2			
6/23/2020	<2		<2		
6/24/2020				2.5	
6/25/2020					3.6
12/15/2020			2.3	2.9	
12/17/2020	<2	<2			3.1
6/15/2021	<2	<2		2.6	
6/16/2021			<2		3.9
12/13/2021	<2	<2			
12/14/2021				3	3.7
12/15/2021			<2		
6/8/2022	<2	<2			
6/9/2022			2	2.5	4.2
12/12/2022	<2	<2			
12/13/2022			2.4	3.3	
12/15/2022	<2				<2
6/20/2023		<2		2.8	
6/21/2023			<2		
6/22/2023	<2				<2
12/12/2023	<2	<2		3.4	
12/13/2023			2.2		4.9
6/25/2024				3.1	
6/26/2024	<2	<2	2.1		5.1

Tolerance Limit

Constituent: Chlorobenzene (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-14A
12/17/2018	<10	<10	
12/19/2018			<10
6/10/2019	<10		
6/11/2019		<10	<10
12/9/2019	<10		
12/10/2019			<10
12/11/2019		<10	
6/22/2020		<10	
6/23/2020	<10		
6/24/2020			12
12/15/2020			16
12/17/2020	<10	<10	
6/15/2021	<10	<10	15
12/13/2021	<10	<10	
12/14/2021			15
6/8/2022	<10	<10	
6/9/2022			17
12/12/2022	<10	<10	
12/13/2022			14
12/15/2022	<10		
6/20/2023		<10	12
6/22/2023	<10		
12/12/2023	<10	<10	13
6/25/2024			14
6/26/2024	<10	<10	

Tolerance Limit

Constituent: Chloroethane (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-14A
12/17/2018	<2	<2	
12/19/2018			5.4
6/10/2019	<2		
6/11/2019		<2	4.4
12/9/2019	<2		
12/10/2019			3.6
12/11/2019		<2	
6/22/2020		<2	
6/23/2020	<2		
6/24/2020			3.3
12/15/2020			4.2
12/17/2020	<2	<2	
6/15/2021	<2	<2	3
12/13/2021	<2	<2	
12/14/2021			5
6/8/2022	<2	<2	
6/9/2022			3.7
12/12/2022	<2	<2	
12/13/2022			3.4
12/15/2022	<2		
6/20/2023		<2	2.4
6/22/2023	<2		
12/12/2023	<2	<2	5.5
6/25/2024			3.5
6/26/2024	<2	<2	

Tolerance Limit

Constituent: cis-1,2-Dichloroethene (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
 Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-18	GWC-19R	GWC-17	GWC-15[Stats]	GWC-14R	GWC-14A	GWC-8R
12/17/2018	<2	<2							
12/18/2018			12	2.9					
12/19/2018					8.7	2.9	17	53	18
6/10/2019	<2								
6/11/2019		<2	14	7.7		97		46	
6/12/2019					<2		21		21
12/9/2019	<2		30	11					
12/10/2019					15	51	19	65	
12/11/2019		<2							24
6/22/2020		<2							
6/23/2020	<2		10	7.2	<2		26		27
6/24/2020								62	
6/25/2020						110			
12/15/2020			26	7.9	22			69	30
12/17/2020	<2	<2				110	28		
6/14/2021			6.2	5.3	2.2				
6/15/2021	<2	<2						59	
6/16/2021						130	26		32
12/13/2021	<2	<2							
12/14/2021			10	7.9	7.6	140	24	77	
12/15/2021									24
6/6/2022				4					
6/7/2022			13						
6/8/2022	<2	<2							
6/9/2022					5.4	150	21	54	24
12/12/2022	<2	<2							
12/13/2022							22	86	29
12/14/2022			20	9.9	2.1				
12/15/2022	<2					<2			
6/20/2023		<2	11	3	<2			54	
6/21/2023							20		28
6/22/2023	<2					<2			
12/12/2023	<2	<2	26				23	82	29
12/13/2023				11		170			
6/25/2024				2.6	<2			57	
6/26/2024	<2	<2	17			140			31
6/27/2024							21		

Tolerance Limit

Constituent: cis-1,2-Dichloroethene (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

GWC-8A

12/17/2018	
12/18/2018	
12/19/2018	31
6/10/2019	
6/11/2019	
6/12/2019	22
12/9/2019	
12/10/2019	
12/11/2019	33
6/22/2020	
6/23/2020	23
6/24/2020	
6/25/2020	
12/15/2020	31
12/17/2020	
6/14/2021	
6/15/2021	
6/16/2021	24
12/13/2021	
12/14/2021	
12/15/2021	24
6/6/2022	
6/7/2022	
6/8/2022	
6/9/2022	27
12/12/2022	
12/13/2022	35
12/14/2022	
12/15/2022	
6/20/2023	
6/21/2023	23
6/22/2023	
12/12/2023	
12/13/2023	33
6/25/2024	
6/26/2024	29
6/27/2024	

Tolerance Limit

Constituent: Cobalt (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-14A	GWC-14
12/18/2018	<40	<40		
12/19/2018			290	
6/11/2019	<40			
6/12/2019		<40	330	57
12/10/2019	<40			
12/11/2019			228	50.3
12/12/2019		<40		
6/23/2020		<40		
6/24/2020	<40		301	
6/25/2020				95.1
12/16/2020			298	
12/18/2020	<40	<40		55.5
6/16/2021	<40	<40	306	87.6
12/14/2021	<40	<40		
12/15/2021			192	
12/16/2021				<40
6/9/2022	<40	<40		
6/10/2022			252	85.5
12/12/2022	<40			
12/13/2022		<40		
12/14/2022			192	
12/15/2022	<40			
6/21/2023		<40	226	
6/22/2023	<40			55
12/13/2023	<40	<40	174	
6/26/2024			200	<40
6/27/2024	<40	<40		

Tolerance Limit

Constituent: Nickel (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-18
12/18/2018	<20	<20	
12/19/2018			<20
6/11/2019	<20		
6/12/2019		<20	24
12/10/2019	<20		29.8
12/12/2019		<20	
6/23/2020		<20	
6/24/2020	<20		<20
12/16/2020			<20
12/18/2020	<20	<20	
6/15/2021			<20
6/16/2021	<20	<20	
12/14/2021	<20	<20	
12/15/2021			33.7
6/8/2022			<40
6/9/2022	<20	<20	
12/12/2022	<20		
12/13/2022		<20	
12/15/2022	<20		<20
6/21/2023		<20	<20
6/22/2023	<20		
12/13/2023	<20	<20	107
6/27/2024	<20	<20	38.1

Tolerance Limit

Constituent: Tetrachloroethene (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-18	GWC-15[Stats]
12/17/2018	<2	<2		
12/18/2018			7	
12/19/2018				9.7
6/10/2019	<2			
6/11/2019		<2	3.9	50
12/9/2019	<2		7.4	
12/10/2019				31
12/11/2019		<2		
6/22/2020		<2		
6/23/2020	<2		5.7	
6/25/2020				48
12/15/2020			6.4	
12/17/2020	<2	<2		19
6/14/2021			3.1	
6/15/2021	<2	<2		
6/16/2021				29
12/13/2021	<2	<2		
12/14/2021			3.4	12
6/7/2022			5.2	
6/8/2022	<2	<2		
6/9/2022				42
12/12/2022	<2	<2		
12/14/2022			3.8	
12/15/2022	<2			<2
6/20/2023		<2	2.9	
6/22/2023	<2			<2
12/12/2023	<2	<2	2.3	
12/13/2023				11
6/26/2024	<2	<2	2.2	52

Tolerance Limit

Constituent: Trichloroethene (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-14R	GWC-15[Stats]
12/17/2018	<2	<2		
12/19/2018			4.9	3.7
6/10/2019	<2			
6/11/2019		<2		70
6/12/2019			4.7	
12/9/2019	<2			
12/10/2019			4.3	55
12/11/2019		<2		
6/22/2020		<2		
6/23/2020	<2		4.3	
6/25/2020				90
12/17/2020	<2	<2	3.9	45
6/15/2021	<2	<2		
6/16/2021			3.9	71
12/13/2021	<2	<2		
12/14/2021			2.8	48
6/8/2022	<2	<2		
6/9/2022			2.8	65
12/12/2022	<2	<2		
12/13/2022			3	
12/15/2022	<2			<2
6/20/2023		<2		
6/21/2023			2.3	
6/22/2023	<2			<2
12/12/2023	<2	<2	2.6	
12/13/2023				88
6/26/2024	<2	<2		79
6/27/2024			2.5	

Tolerance Limit

Constituent: Vinyl chloride (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-14A
12/17/2018	<2	<2	
12/19/2018			4.9
6/10/2019	<2		
6/11/2019		<2	4.3
12/9/2019	<2		
12/10/2019			4
12/11/2019		<2	
6/22/2020		<2	
6/23/2020	<2		
6/24/2020			7.5
12/15/2020			11
12/17/2020	<2	<2	
6/15/2021	<2	<2	12
12/13/2021	<2	<2	
12/14/2021			19
6/8/2022	<2	<2	
6/9/2022			19
12/12/2022	<2	<2	
12/13/2022			14
12/15/2022	<2		
6/20/2023		<2	16
6/22/2023	<2		
12/12/2023	<2	<2	16
6/25/2024			27
6/26/2024	<2	<2	

Tolerance Limit

Constituent: Zinc (ug/L) Analysis Run 8/4/2024 6:42 PM View: Interwell NPTL
Harris Beamer Road MSW Landfill Client: Gordon County Data: Hightower Rd Ph II-IV

	GWA-1 (bg)	GWA-2 (bg)	GWC-9
12/18/2018	44	<20	
12/19/2018			38
6/11/2019	42		
6/12/2019		30	
6/13/2019			60
12/10/2019	30.4		
12/12/2019		25.9	
12/13/2019			78
6/23/2020		<20	
6/24/2020	30.7		
6/25/2020			45.9
12/18/2020	21.1	<20	41.9
6/16/2021	21.6	<20	41.8
12/14/2021	22.3	<20	49.9
6/8/2022			68.7
6/9/2022	30.8	<20	
12/12/2022	<20		
12/13/2022		<20	
12/15/2022	20.5		41.6
6/21/2023		<20	40.4
6/22/2023	20.5		
12/12/2023			48
12/13/2023	30.1	<20	
6/26/2024			48.1
6/27/2024	25.5	40.6	



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